(19)日本国特許庁(JP)　(12)特　許　公　報(B2)　(11)特許番号

特許第4137174号
(P4137174)

(45)発行日　平成20年8月20日(2008.8.20)　(24)登録日　平成20年6月13日(2008.6.13)

(51)Int.Cl.　F I

C07D 239/94	(2006.01)	C07D 239/94	CSP
A61K 31/517	(2006.01)	A61K 31/517	
C07D 403/12	(2006.01)	C07D 403/12	
A61K 31/5377	(2006.01)	A61K 31/5377	
C07D 401/12	(2006.01)	C07D 401/12	

請求項の数 15　(全 305 頁)　最終頁に続く

(21)出願番号　特願2007-504734 (P2007-504734)
(86)(22)出願日　平成18年2月22日 (2006.2.22)
(86)国際出願番号　PCT/JP2006/303125
(87)国際公開番号　WO2006/090717
(87)国際公開日　平成18年8月31日 (2006.8.31)
審査請求日　平成19年11月9日 (2007.11.9)
(31)優先権主張番号　特願2005-47383 (P2005-47383)
(32)優先日　平成17年2月23日 (2005.2.23)
(33)優先権主張国　日本国(JP)
(31)優先権主張番号　特願2005-156828 (P2005-156828)
(32)優先日　平成17年5月30日 (2005.5.30)
(33)優先権主張国　日本国(JP)

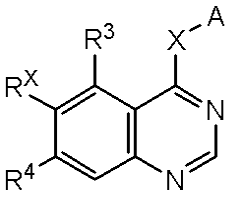
早期審査対象出願

(73)特許権者　000001926
塩野義製薬株式会社
大阪府大阪市中央区道修町３丁目１番８号
(74)代理人　100113789
弁理士　杉田　健一
(74)代理人　100103230
弁理士　高山　裕貢
(72)発明者　粂　昌治
大阪府大阪市福島区鷺洲５丁目１２番４号
塩野義製薬株式会社内
(72)発明者　松尾　健二
大阪府大阪市福島区鷺洲５丁目１２番４号
塩野義製薬株式会社内

最終頁に続く

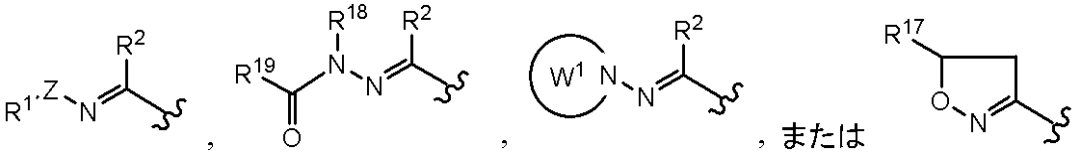
(54)【発明の名称】チロシンキナーゼ阻害作用を有するキナゾリン誘導体

(57)【特許請求の範囲】
【請求項１】
一般式（Ｉ）：
【化１】



(I)

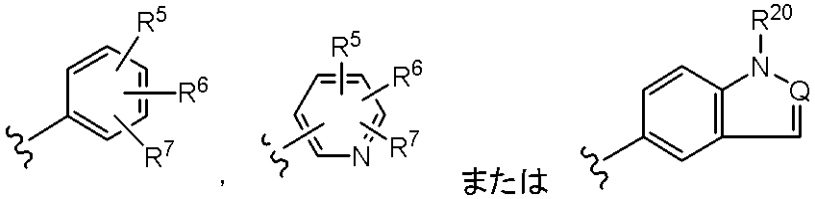
［式中、R^Xは、式：
【化２】



，または

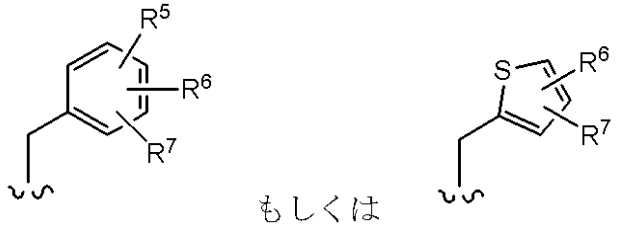
（式中、R^1は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアリール、または置換されていてもよい非芳香族含窒素複素環基；

Ｚは、－Ｏ－、－Ｎ（Ｒ^{10}）－、または－Ｏ－もしくは－Ｎ（Ｒ^{11}）－を介在してもよいアルキレン；Ｒ^{10}およびＲ^{11}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル；
Ｒ^{2}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいシクロアルキル、置換されていてもよいアリール、または置換されていてもよいヘテロアリール；
Ｒ^{19}は、置換されていてもよいアルキル、置換されていてもよいアリール、置換されていてもよいヘテロアリール、または置換されていてもよい非芳香族複素環基；
Ｒ^{18}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよいアルキニル；
Ｗ^{1}は、置換されていてもよい非芳香族含窒素複素環基または置換されていてもよいヘテロアリール；
Ｒ^{17}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよい非芳香族含窒素複素環基）で表される基；
Ｒ^{3}およびＲ^{4}は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、ハロゲン、ヒドロキシ、メルカプト、または置換されていてもよいアミノ；
Ｘは、－Ｏ－、－Ｓ－、－Ｎ（Ｒ^{12}）－、または－Ｏ－、－Ｓ－、もしくは－Ｎ（Ｒ^{13}）－を介在してもよいアルキレン；Ｒ^{12}およびＲ^{13}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル；および
Ａは、式：
【化３】



（式中、Ｒ^{5}は、水素原子、ハロゲン、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、または式：－Ｙ－Ｒ^{8}（式中、Ｙは－Ｏ－、－Ｓ－、－ＳＯ$_{2}$－、または－Ｏ－、－Ｓ－、もしくは－Ｎ（Ｒ^{9}）－を介在してもよいアルキレン；Ｒ^{8}は置換されていてもよいアリールまたは置換されていてもよいヘテロアリール；Ｒ^{9}は水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル）で表される基；
Ｒ^{6}およびＲ^{7}は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、ハロゲン、ヒドロキシ、メルカプト、シアノ、または置換されていてもよいアミノ；
Ｒ^{20}は、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、または式：

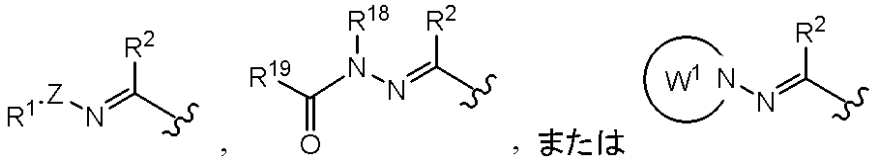
【化４】



もしくは

（式中、Ｒ５、Ｒ６、およびＲ７は、前記と同意義）で表される基；
ＱはＮまたはＣＨ２）で表される基］
で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項２】
Ｒ Ｘが、式：
【化５】



（式中、Ｒ１、Ｒ２、Ｒ１８、Ｒ１９、Ｚ、およびＷ１は、請求項１と同意義）で表される基である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項３】
Ｒ１が、置換基群Ａ（置換基群Ａ：ヒドロキシ、ヘテロアリール、カルボキシ、置換されていてもよいアミノ、置換されていてもよい非芳香族含窒素複素環基、置換されていてもよいアミノカルボニル、または置換されていてもよい非芳香族含窒素複素環カルボニル）から選択される置換基で置換されていてもよいアルキル、または置換基群Ｂ（置換基群Ｂ：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、オキソ、アミノ、カルボキシ、シアノ、シアノアルキル、ヒドロキシアルキル、アルキルカルボニルアミノ、アルキルスルホニルアミノ、およびアミノカルボニルアルキル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項４】
Ｒ１が、置換基群Ｃ（置換基群Ｃ：アルキル、アルケニル、アルキニル、置換されていてもよいアリール、アラルキル、アルキルオキシ、ヒドロキシアルキル、ヒドロキシアルキルオキシアルキル、ハロアルキル、１または2のアルキルで置換されていてもよいアミノアルキル、アルキルスルホニル、アルキルスルホニルアルキル、ハロゲンもしくはアルキルオキシで置換されていてもよいアルキルカルボニル、アルキルオキシカルボニル、置換されていてもよいシクロアルキル、カルボキシアルキル、置換されていてもよいアミノカルボニルアルキル、置換されていてもよいアミノカルボニルオキシアルキル、アルキルオキシアルキル、アルキルチオアルキル、アルキルカルボニルアミノアルキル、アルキルスルホニルアミノアルキル、アルキルスルホニル（アルキル）アミノアルキル、アルキルオキシカルボニルアルキル、アルキルチオ（ヒドロキシ）アルキル、シクロアルキルアルキル、シアノアルキル、置換されていてもよいアミノアルキルカルボニル、置換されていてもよいヘテロアリール、ヘテロアリールアルキル、ヒドロキシアルキルオキシアルキル、置換されていてもよい非芳香族複素環基、置換されていてもよい非芳香族複素環アルキル）から選択される置換基で置換されていてもよいアミノで置換されたアルキル、置換基群Ｄ（置換基群Ｄ：ハロゲン、アリール、ヒドロキシ、オキソ、置換されていてもよいアミノカルボニル、アルキルオキシカルボニル、置換基群Ｈ（置換基群Ｈ：置換されていてもよいアミノカルボニル、シアノ、アルキルオキシ、アルキルスルホニルアミノ、アミノ、

カルボキシ、アルキルオキシカルボニル、およびヒドロキシ）から選択される置換基で置換されていてもよいアルキル、アルキルアミノカルボニル、カルボキシ、シアノ、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、アルキルスルホニルアルキルカルボニル、アルキルオキシアルキルカルボニル、アルキルカルボニルアミノ、アミノカルボニルオキシ、非芳香族含窒素複素環基、および非芳香族複素環カルボニル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキル、または置換基群Ｂ（置換基群Ｂ：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、オキソ、アミノ、カルボキシ、シアノ、シアノアルキル、ヒドロキシアルキル、アルキルカルボニルアミノ、アルキルスルホニルアミノ、およびアミノカルボニルアルキル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項５】

R^{19}が、置換基群Ａ（置換基群Ａ：ヒドロキシ、ヘテロアリール、カルボキシ、置換されていてもよいアミノ、置換されていてもよい非芳香族含窒素複素環基、置換されていてもよいアミノカルボニル、または置換されていてもよい非芳香族含窒素複素環カルボニル）から選択される置換基で置換されていてもよいアルキル、置換基群Ｉ（置換基群Ｉ：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、シアノ、シアノアルキル、ヒドロキシアルキル、およびアミノカルボニルアルキル）から選択される置換基で置換されていてもよいアリール、または置換基群Ｉから選択される置換基で置換されていてもよいヘテロアリールである、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項６】

R^{19}が、置換基群Ｃ（置換基群Ｃ：アルキル、アルケニル、アルキニル、置換されていてもよいアリール、アラルキル、アルキルオキシ、ヒドロキシアルキル、ヒドロキシアルキルオキシアルキル、ハロアルキル、１または2のアルキルで置換されていてもよいアミノアルキル、アルキルスルホニル、アルキルスルホニルアルキル、ハロゲンもしくはアルキルオキシで置換されていてもよいアルキルカルボニル、アルキルオキシカルボニル、置換されていてもよいシクロアルキル、カルボキシアルキル、置換されていてもよいアミノカルボニルアルキル、置換されていてもよいアミノカルボニルオキシアルキル、アルキルオキシアルキル、アルキルチオアルキル、アルキルカルボニルアミノアルキル、アルキルスルホニルアミノアルキル、アルキルスルホニル（アルキル）アミノアルキル、アルキルオキシカルボニルアルキル、アルキルチオ（ヒドロキシ）アルキル、シクロアルキルアルキル、シアノアルキル、置換されていてもよいアミノアルキルカルボニル、置換されていてもよいヘテロアリール、ヘテロアリールアルキル、ヒドロキシアルキルオキシアルキル、置換されていてもよい非芳香族複素環基、置換されていてもよい非芳香族複素環アルキル）から選択される置換基で置換されていてもよいアミノで置換されたアルキル、または置換基群Ｄ（置換基群Ｄ：ハロゲン、アリール、ヒドロキシ、オキソ、置換されていてもよいアミノカルボニル、アルキルオキシカルボニル、置換基群Ｈ（置換基群Ｈ：置換されていてもよいアミノカルボニル、シアノ、アルキルオキシ、アルキルスルホニルアミノ、アミノ、カルボキシ、アルキルオキシカルボニル、およびヒドロキシ）から選択される置換基で置換されていてもよいアルキル、アルキルアミノカルボニル、カルボキシ、シアノ、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、アルキルスルホニルアルキルカルボニル、アルキルオキシアルキルカルボニル、アルキルカルボニルアミノ、アミノカルボニルオキシ、非芳香族含窒素複素環基、および非芳香族複素環カルボニル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキルである、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項７】

W^{1}が、置換基群Ｊ（置換基群Ｊ：アルキル、シアノアルキル、ヒドロキシアルキル、アミノカルボニルアルキル、アルキルオキシ、アルキルオキシカルボニル、置換されていて

もよいアミノカルボニル、およびシアノ）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で表される基または置換基群Ｊから選択される置換基で置換されていてもよいヘテロアリールで表される基である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項８】

Ｒ^{2}が、水素原子、ハロゲンで置換されていてもよいＣ１－Ｃ６アルキル、Ｃ２－Ｃ６アルケニル、Ｃ２－Ｃ６アルキニル、ハロゲン、またはフェニルである、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項９】

Ｒ^{3}およびＲ^{4}の一方が水素原子、他方が水素原子、置換されていてもよいアルキルオキシまたは置換されていてもよいアルケニルオキシである、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

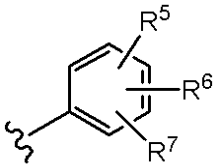
【請求項１０】

Ｘが、－ＮＨ－である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項１１】

Ａが、式：

【化６】

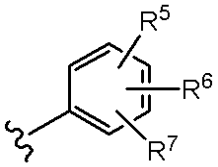


（式中、Ｒ^{5}は、水素原子またはハロゲン；Ｒ^{6}は、ハロゲンまたはアルキニル；およびＲ^{7}は水素原子）で表される基である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項１２】

Ａが、式：

【化７】

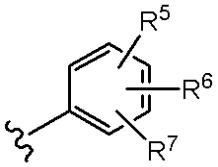


［式中、Ｒ^{5}は、置換基群Ｅ（置換基群Ｅ：カルボキシ、アルキルオキシカルボニル、シクロアルキル、および置換されていてもよいアミノカルボニル）から選択される置換基で置換されていてもよいアルキルオキシ、置換基群Ｅから選択される置換基で置換されていてもよいアルケニルオキシ、または置換基群Ｅから選択される置換基で置換されていてもよいアルキニルオキシ；Ｒ^{6}は、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびＲ^{7}は水素原子］で表される基である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項１３】

Ａが、式：

【化８】



［式中、Ｒ^{5}は、式：－Ｙ－Ｒ^{8}（式中、Ｙは、－Ｏ－を介在してもよいアルキレン；Ｒ

^{8}は、置換基群Ｆ（置換基群Ｆ：ハロゲン、カルボキシ、アルキル、ハロアルキル、ヒドロキシアルキル、アルキルオキシ、アルキルオキシカルボニル、および置換されていてもよいアミノ）から選択される置換基で置換されていてもよいフェニル、置換基群Ｆから選択される置換基で置換されていてもよいピリジル、置換基群Ｆから選択される置換基で置換されていてもよいフリル、置換基群Ｆから選択される置換基で置換されていてもよいチエニル、置換基群Ｆから選択される置換基で置換されていてもよいチアゾリル、または置換基群Ｆから選択される置換基で置換されていてもよいオキサゾリル）で表される基；Ｒ^{6}が、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびＲ^{7}が水素原子］で表される基である、請求項１記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【請求項１４】
請求項１記載の化合物を有効成分として含有する医薬組成物。
【請求項１５】
請求項１記載の化合物を有効成分として含有する抗癌剤。
【発明の詳細な説明】
【技術分野】
【０００１】
本発明は、ＥＧＦ受容体チロシンキナーゼおよびＨＥＲ２チロシンキナーゼの両方を阻害する化合物およびそれらを有効成分として含有する医薬組成物に関する。
【背景技術】
【０００２】
チロシンキナーゼは蛋白質中のチロシン残基をリン酸化する酵素であり、細胞の分化・増殖や細胞内情報伝達系において重要な役割を果たすことが知られている。特に、ＨＥＲ２（ＥｒｂＢ２またはＮｅｕとも呼ばれる）およびＥＧＦ受容体等の増殖因子受容体チロシンキナーゼ（以下、受容体チロシンキナーゼ）が癌の形成に深く関与していること、ヒト癌において受容体チロシンキナーゼ活性が亢進していることが知られている（非特許文献１、非特許文献２、および非特許文献３）。さらに、これら受容体チロシンキナーゼは脳、肺、胃、腸、膵臓、頭頚部、食道、膀胱、腎臓、前立腺、卵巣、乳、子宮、甲状腺等における腫瘍で過剰に発現していることが示されている（非特許文献４および特許文献１）。したがって、チロシンキナーゼ阻害剤が、多くの癌種に適応しうる副作用の少ない抗癌剤として有用であると考えられる。チロシンキナーゼ阻害剤としては、特許文献２、特許文献３、特許文献４、特許文献５、特許文献６、特許文献７等に記載の化合物が知られている。
また、ＥＧＦ受容体とＨＥＲ２の共発現によりＥＧＦ受容体単独による癌化がさらに加速されることが知られている（非特許文献５）。さらに、乳癌、口腔癌、肺癌等においてＥＧＦ受容体とＨＥＲ２の共発現があると予後不良になるとの報告がある（非特許文献６）。ＥＧＦ受容体チロシンキナーゼとＨＥＲ２チロシンキナーゼの両方を阻害する薬剤としては、特許文献８等に記載の化合物が知られている。
キナゾリン誘導体の４位にオキシム型置換基を有する抗癌剤が特許文献９および特許文献１０に記載されている。
【特許文献１】特開平５－２０８９１１号公報
【特許文献２】国際公開第９２／２０６４２号パンフレット
【特許文献３】欧州特許出願公開第９２３０５７０３．８号明細書
【特許文献４】欧州特許出願公開第０５６６２６６号明細書
【特許文献５】欧州特許出願公開第０６０２８５１号明細書
【特許文献６】欧州特許出願公開第０５２０７２２号明細書
【特許文献７】国際公開第９８／０２４３４号パンフレット
【特許文献８】国際公開第０２／０６６４４５号パンフレット
【特許文献９】国際公開第２００４／０６９１４５号パンフレット
【特許文献１０】国際公開第２００４／１０５７６５号パンフレット

【非特許文献１】キャンサー　リサーチ（Cancer Res.）1991年、第51巻、p.4430-4435
【非特許文献２】キャンサー　リサーチ（Cancer Res.）1992年、第52巻、p.3636-3641
【非特許文献３】キャンサー　ケモセラピー　アンド　ファーマコロジー（Cancer Chemother. Pharmacol.）、1993年、第32巻、p.1-19
【非特許文献４】エキスパート　オピニオン　オン　インベスティゲーショナル　ドラッグス（Expert. Opin. Invest. Drugs）1994年、第3巻、第6号、p.577-595
【非特許文献５】セル（Cell）1987年、第58巻、p.287-292
【非特許文献６】クリニカル　キャンサー　リサーチ（Clin. Cancer Res.）1999年、第5巻、p.4164-4174

【発明の開示】

【発明が解決しようとする課題】

【０００３】

ＥＧＦ受容体とＨＥＲ２のデュアル阻害剤は単独のキナーゼにのみ作用する化合物と比較して、適応疾患が広く、デュアル阻害の相乗作用によってより強い治療効果が得られる点で優れている。したがって、ＥＧＦ受容体チロシンキナーゼおよびＨＥＲ２チロシンキナーゼの両方を阻害する化合物が求められていた。

【課題を解決するための手段】

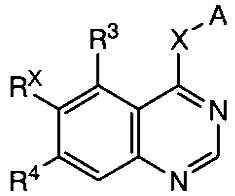
【０００４】

そこで、本発明者らは鋭意研究の結果、６位にある種の置換基を有するキナゾリン誘導体が、優れたＥＧＦ受容体およびＨＥＲ２のデュアル阻害作用を有することを見出した。

すなわち、本発明は、

（１）一般式（Ｉ）：

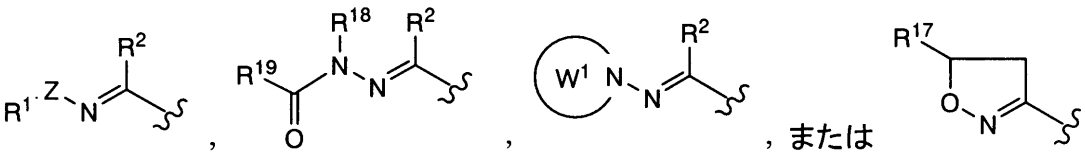
【化１】



(I)

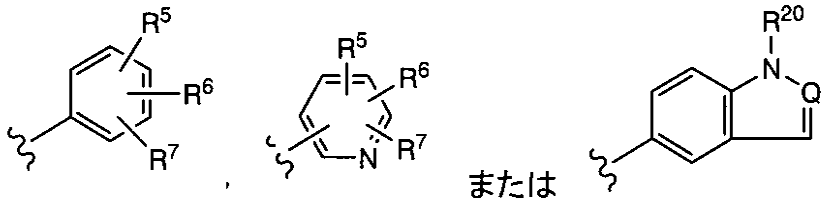
［式中、R^Xは、式：

【化２】

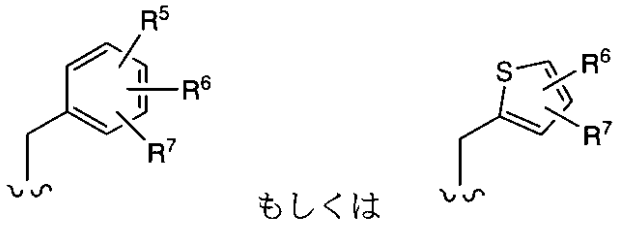


（式中、R^1は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアリール、または置換されていてもよい非芳香族含窒素複素環基；
Ｚは、－Ｏ－、－Ｎ（R^{10}）－、または－Ｏ－もしくは－Ｎ（R^{11}）－を介在してもよいアルキレン；R^{10}およびR^{11}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル；
R^2は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいシクロアルキル、置換されていてもよいアリール、または置換されていてもよいヘテロアリール、；
R^{19}は、置換されていてもよいアルキル、置換されていてもよいアリール、置換されていてもよいヘテロアリール、または置換されていてもよい非芳香族複素環基；
R^{18}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル

、または置換されていてもよいアルキニル；
W^1は、置換されていてもよい非芳香族含窒素複素環基または置換されていてもよいヘテロアリール；
R^{17}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよい非芳香族含窒素複素環基）で表される基；
R^3およびR^4は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、ハロゲン、ヒドロキシ、メルカプト、または置換されていてもよいアミノ；
Xは、－O－、－S－、－N（R^{12}）－、または－O－、－S－、もしくは－N（R^{13}）－を介在してもよいアルキレン；R^{12}およびR^{13}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル；および
Aは、式：
【化３】

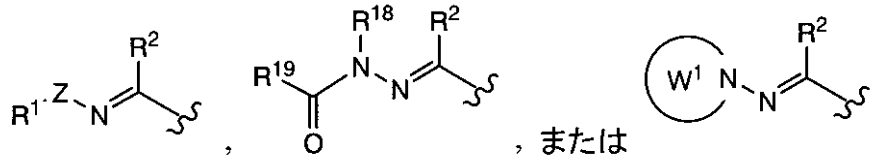


（式中、R^5は、水素原子、ハロゲン、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、または式：－Y－R^8（式中、Yは－O－、－S－、－SO_2－、または－O－、－S－、もしくは－N（R^9）－を介在してもよいアルキレン；R^8は置換されていてもよいアリールまたは置換されていてもよいヘテロアリール；R^9は水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル）で表される基；
R^6およびR^7は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、ハロゲン、ヒドロキシ、メルカプト、シアノ、または置換されていてもよいアミノ；
R^{20}は、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、または式：
【化４】



（式中、R^5、R^6、およびR^7は、前記と同意義）で表される基；
QはＮまたはＣＨ$_2$）で表される基］
で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物、に関する。
【０００５】
さらに詳しくは、以下の（２）～（２０）に関する。
（２）R^Xが、式：

【化５】



（式中、Ｒ１、Ｒ２、Ｒ１８、Ｒ１９、Ｚ、およびＷ１は、（１）と同意義）で表される基である、（１）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（３）Ｒ１が、置換基群Ａ（置換基群Ａ：ヒドロキシ、ヘテロアリール、カルボキシ、置換されていてもよいアミノ、置換されていてもよい非芳香族含窒素複素環基、置換されていてもよいアミノカルボニル、または置換されていてもよい非芳香族含窒素複素環カルボニル）から選択される置換基で置換されていてもよいアルキル、または置換基群Ｂ（置換基群Ｂ：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、オキソ、アミノ、カルボキシ、シアノ、シアノアルキル、ヒドロキシアルキル、アルキルカルボニルアミノ、アルキルスルホニルアミノ、およびアミノカルボニルアルキル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基である、（１）または（２）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

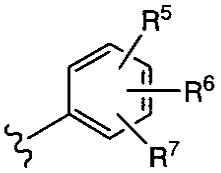
（４）Ｒ１が、置換基群Ｃ（置換基群Ｃ：アルキル、アルケニル、アルキニル、置換されていてもよいアリール、アラルキル、アルキルオキシ、ヒドロキシアルキル、ヒドロキシアルキルオキシアルキル、ハロアルキル、１または2のアルキルで置換されていてもよいアミノアルキル、アルキルスルホニル、アルキルスルホニルアルキル、ハロゲンもしくはアルキルオキシで置換されていてもよいアルキルカルボニル、アルキルオキシカルボニル、置換されていてもよいシクロアルキル、カルボキシアルキル、置換されていてもよいアミノカルボニルアルキル、置換されていてもよいアミノカルボニルオキシアルキル、アルキルオキシアルキル、アルキルチオアルキル、アルキルカルボニルアミノアルキル、アルキルスルホニルアミノアルキル、アルキルスルホニル（アルキル）アミノアルキル、アルキルオキシカルボニルアルキル、アルキルチオ（ヒドロキシ）アルキル、シクロアルキルアルキル、シアノアルキル、置換されていてもよいアミノアルキルカルボニル、置換されていてもよいヘテロアリール、ヘテロアリールアルキル、ヒドロキシアルキルオキシアルキル、置換されていてもよい非芳香族複素環基、置換されていてもよい非芳香族複素環アルキル）から選択される置換基で置換されていてもよいアミノで置換されたアルキル、置換基群Ｄ（置換基群Ｄ：ハロゲン、アリール、ヒドロキシ、オキソ、置換されていてもよいアミノカルボニル、アルキルオキシカルボニル、置換基群Ｈ（置換基群Ｈ：置換されていてもよいアミノカルボニル、シアノ、アルキルオキシ、アルキルスルホニルアミノ、アミノ、カルボキシ、アルキルオキシカルボニル、およびヒドロキシ）から選択される置換基で置換されていてもよいアルキル、アルキルアミノカルボニル、カルボキシ、シアノ、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、アルキルスルホニルアルキルカルボニル、アルキルオキシアルキルカルボニル、アルキルカルボニルアミノ、アミノカルボニルオキシ、非芳香族含窒素複素環基、および非芳香族複素環カルボニル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキル、または置換基群Ｂから選択される置換基で置換されていてもよい非芳香族含窒素複素環基である（１）～（３）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（５）Ｚが－Ｏ－である、（１）～（４）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

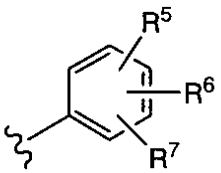
【０００６】

（６）Ｒ１９が、置換基群Ａから選択される置換基で置換されていてもよいアルキル、置換基群Ｉ（置換基群Ｉ：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、シアノ、シアノアルキル、ヒドロキシアルキル、およびアミノカルボニルアルキル

）から選択される置換基で置換されていてもよいアリール、または置換基群Ｉから選択される置換基で置換されていてもよいヘテロアリールである、（１）または（２）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（７）R^{19}が、置換基群Ｃから選択される置換基で置換されていてもよいアミノで置換されたアルキル、または置換基群Ｄから選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキルである、（１）、（２）、または（６）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（８）W^1が、置換基群Ｊ（置換基群Ｊ：アルキル、シアノアルキル、ヒドロキシアルキル、アミノカルボニルアルキル、アルキルオキシ、アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、およびシアノ）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で表される基または置換基群Ｊから選択される置換基で置換されていてもよいヘテロアリールで表される基である、（１）または（２）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（９）R^2が、水素原子、ハロゲンで置換されていてもよいＣ１－Ｃ６アルキル、Ｃ２－Ｃ６アルケニル、Ｃ２－Ｃ６アルキニル、ハロゲン、またはフェニルである、（１）～（８）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（１０）R^2が、Ｃ２－Ｃ４アルキニルである、（１）～（９）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（１１）R^3およびR^4の一方が水素原子、他方が水素原子、置換されていてもよいアルキルオキシまたは置換されていてもよいアルケニルオキシである、（１）～（１０）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（１２）Ｘが、－ＮＨ－である、（１）～（１１）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
【０００７】
（１３）Ａが、式：
【化６】



（式中、R^5は、水素原子またはハロゲン；R^6は、ハロゲンまたはアルキニル；およびR^7は水素原子）で表される基である、（１）～（１２）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（１４）Ａが、式：
【化７】



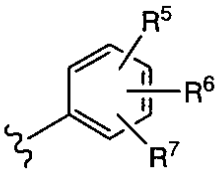
［式中、R^5は、置換基群Ｅ（置換基群Ｅ：カルボキシ、アルキルオキシカルボニル、シクロアルキル、および置換されていてもよいアミノカルボニル）から選択される置換基で置換されていてもよいアルキルオキシ、置換基群Ｅから選択される置換基で置換されていてもよいアルケニルオキシ、または置換基群Ｅから選択される置換基で置換されていてもよいアルキニルオキシ；R^6は、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびR^7は水素原子］で表される基である、（１

）～（１２）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【０００８】

（１５）Ａが、式：

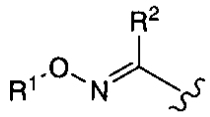
【化８】



［式中、R^5は、式：－Ｙ－R^8（式中、Ｙは、－Ｏ－を介在してもよいアルキレン；R^8は、置換基群Ｆ（置換基群Ｆ：ハロゲン、カルボキシ、アルキル、ハロアルキル、ヒドロキシアルキル、アルキルオキシ、アルキルオキシカルボニル、および置換されていてもよいアミノ）から選択される置換基で置換されていてもよいフェニル、置換基群Ｆから選択される置換基で置換されていてもよいピリジル、置換基群Ｆから選択される置換基で置換されていてもよいフリル、置換基群Ｆから選択される置換基で置換されていてもよいチエニル、置換基群Ｆから選択される置換基で置換されていてもよいチアゾリル、または置換基群Ｆから選択される置換基で置換されていてもよいオキサゾリル）で表される基；R^6が、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびR^7が水素原子］で表される基である、（１）～（１２）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（１６）R^Xが、式：

【化９】



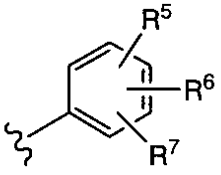
（式中、R^1はアルキル、ヒドロキシアルキル、アルキルカルボニルアミノアルキル、もしくは非芳香族複素環で置換されていてもよいアミノで置換されたアルキル；アルキル、ヒドロキシアルキル、もしくはアルキルカルボニルアミノで置換されていてもよい非芳香族含窒素複素環基で置換されたアルキル；またはヒドロキシアルキルで置換された非芳香族含窒素複素環基、R^2はＣ２～Ｃ４アルキニル）で表される基；

R^3およびR^4はいずれも水素原子；

Ｘは－ＮＨ－；および

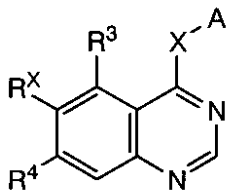
Ａは、式：

【化１０】



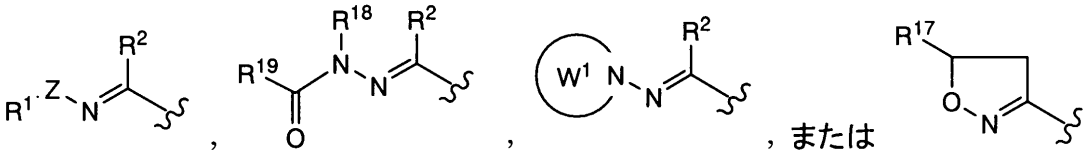
［式中、R^5は、式：－Ｙ－R^8（式中、Ｙは、－Ｏ－を介在してもよいＣ１～Ｃ３アルキレン；R^8は、ハロゲンで置換されていてもよいフェニルまたはハロゲンで置換されていてもよいピリジル）で表される基；R^6がハロゲン；およびR^7が水素原子］で表される基である、（１）に記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（１７）（１）～（１６）のいずれかに記載の化合物を有効成分として含有する医薬組成物。
（１８）（１）～（１６）のいずれかに記載の化合物を有効成分として含有する抗癌剤。
（１９）（１）～（１６）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物を投与することを特徴とする癌の予防および／または治療方法。
（２０）癌の予防および／または治療剤を製造するための（１）～（１６）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物の使用。
【０００９】
また、本発明は別の態様として以下の発明を包含する。
（Ｉ）一般式（Ｉ）：
【化１１】



(I)

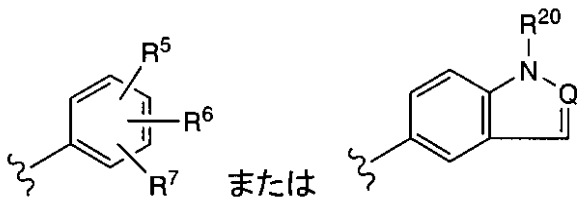
［式中、R^Xは、式：
【化１２】



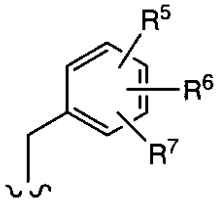
，または

（式中、R^1は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよい非芳香族含窒素複素環基；
Ｚは、－Ｏ－もしくは－Ｎ（R^{10}）－、または－Ｏ－もしくは－Ｎ（R^{11}）－を介在してもよいアルキレン；R^{10}およびR^{11}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル；
R^2は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアリール、または置換されていてもよいヘテロアリール；
R^{19}は、置換されていてもよいアルキル、置換されていてもよいアリール、置換されていてもよいヘテロアリール、または置換されていてもよい非芳香族複素環基；
R^{18}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよいアルキニル；
W^1は、置換されていてもよい非芳香族含窒素複素環基または置換されていてもよいヘテロアリール；
R^{17}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよい非芳香族含窒素複素環基）で表される基；
R^3およびR^4は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、ハロゲン、ヒドロキシ、メルカプト、または置換されていてもよいアミノ；
Ｘは、－Ｏ－、－Ｓ－、－Ｎ（R^{12}）－、または－Ｏ－、－Ｓ－、もしくは－Ｎ（R^{13}）－を介在してもよいアルキレン；R^{12}およびR^{13}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、また

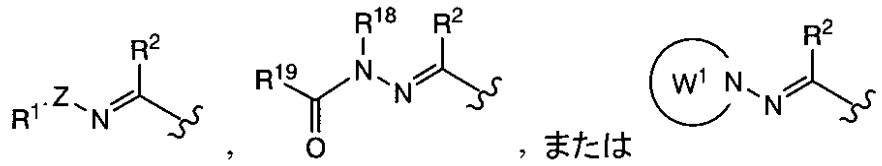
はアラルキルオキシカルボニル；および
Ａは、式：
【化１３】



（式中、Ｒ[5]は、水素原子、ハロゲン、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、または式：－Ｙ－Ｒ[8]（式中、Ｙは－Ｏ－、－Ｓ－、または－Ｎ（Ｒ[9]）－を介在してもよいアルキレン；Ｒ[8]は置換されていてもよいアリールまたは置換されていてもよいヘテロアリール；Ｒ[9]は水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル）で表される基；
Ｒ[6]およびＲ[7]は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、ハロゲン、ヒドロキシ、メルカプト、または置換されていてもよいアミノ；
Ｒ[２０]は、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、または式：
【化１４】



（式中、Ｒ[5]、Ｒ[6]、およびＲ[7]は、前記と同意義）で表される基）；
ＱはＮまたはＣＨ[2]）で表される基］
で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物、に関する。
【００１０】
さらに詳しくは、以下の（ＩＩ）～（ＸＶ）に関する。
（ＩＩ）Ｒ[X]が、式：
【化１５】



（式中、Ｒ[1]、Ｒ[2]、Ｒ[18]、Ｒ[19]、Ｚ、およびＷ[1]は、（Ｉ）と同意義）で表される基である、（Ｉ）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（ＩＩＩ）Ｒ[1]が、置換基群Ａ’（置換基群Ａ’：ヒドロキシ、置換されていてもよいアミノ、置換されていてもよい非芳香族含窒素複素環基、置換されていてもよいアミノカルボニル、または置換されていてもよい非芳香族含窒素複素環カルボニル）から選択される置換基で置換されていてもよいアルキル、または置換基群Ｂ’（置換基群Ｂ’：アルキル

オキシカルボニル、置換されていてもよいアミノカルボニル、シアノ、シアノアルキル、ヒドロキシアルキル、およびアミノカルボニルアルキル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基である、（Ｉ）または（ＩＩ）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ＩＶ）$Ｒ^{1}$が、置換基群Ｃ’（置換基群Ｃ’：アルキル、アルキニル、アルキルスルホニルアルキル、ヒドロキシアルキル、ハロゲンで置換されていてもよいアルキルカルボニル、アルキルオキシカルボニル、シクロアルキル、置換されていてもよいアミノカルボニルアルキル、置換されていてもよいアミノカルボニルオキシアルキル、アルキルオキシアルキル、シクロアルキルアルキル、シアノアルキル、および置換されていてもよいアミノアルキルカルボニル）から選択される置換基で置換されていてもよいアミノで置換されたアルキル、または置換基群Ｄ’（置換基群Ｄ’：ヒドロキシ、オキソ、置換されていてもよいアミノカルボニル、アルキルオキシカルボニル、置換基群Ｈ’（置換基群Ｈ’：置換されていてもよいアミノカルボニル、シアノ、アルキルオキシ、およびヒドロキシ）から選択される置換基で置換されていてもよいアルキル、アルキルアミノカルボニル、シアノ、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、アルキルスルホニルアルキルカルボニル、アルキルオキシアルキルカルボニル、アルキルカルボニルアミノおよび非芳香族複素環カルボニル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキルである、（Ｉ）～（ＩＩＩ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【００１１】

（Ｖ）$Ｒ^{19}$が、置換基群Ａ’から選択される置換基で置換されていてもよいアルキル、置換基群Ｉ’（置換基群Ｉ’：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、シアノ、シアノアルキル、ヒドロキシアルキル、およびアミノカルボニルアルキル）から選択される置換基で置換されていてもよいアリール、または置換基群Ｉ’から選択される置換基で置換されていてもよいヘテロアリールである、（Ｉ）または（ＩＩ）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ＶＩ）$Ｒ^{19}$が、置換基群Ｃ’から選択される置換基で置換されていてもよいアミノで置換されたアルキル、または置換基群Ｄ’から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキルである、（Ｉ）、（ＩＩ）、または（Ｖ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ＶＩＩ）$Ｗ^{1}$が、置換基群Ｊ’（置換基群Ｊ’：アルキル、シアノアルキル、ヒドロキシアルキル、アミノカルボニルアルキル、アルキルオキシ、アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、およびシアノ）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で表される基または置換基群Ｊ’から選択される置換基で置換されていてもよいヘテロアリールで表される基である、（Ｉ）または（ＩＩ）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ＶＩＩＩ）$Ｒ^{2}$が、水素原子、ハロゲンで置換されていてもよいＣ１－Ｃ６アルキル、Ｃ２－Ｃ６アルケニル、Ｃ２－Ｃ６アルキニル、ハロゲン、またはフェニルである、（Ｉ）～（ＶＩＩ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

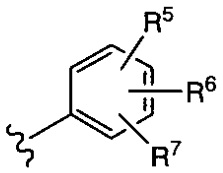
（ＩＸ）$Ｒ^{3}$および$Ｒ^{4}$の一方が水素原子、他方が水素原子、置換されていてもよいアルキルオキシまたは置換されていてもよいアルケニルオキシである、（Ｉ）～（ＶＩＩＩ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（Ｘ）Ｘが、－ＮＨ－である、（Ｉ）～（ＩＸ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【００１２】

（ＸＩ）Ａが、式：

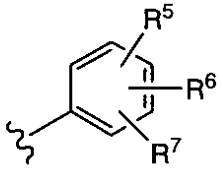
【化１６】



（式中、Ｒ５は、水素原子またはハロゲン；Ｒ６は、ハロゲンまたはアルキニル；およびＲ７は水素原子）で表される基である、（Ｉ）～（ＩＸ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ＸＩＩ）Ａが、式：

【化１７】

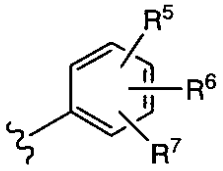


［式中、Ｒ５は、置換基群Ｅ’（置換基群Ｅ’：カルボキシ、アルキルオキシカルボニル、シクロアルキル、および置換されていてもよいアミノカルボニル）から選択される置換基で置換されていてもよいアルキルオキシ、置換基群Ｅ’から選択される置換基で置換されていてもよいアルケニルオキシ、または置換基群Ｅ’から選択される置換基で置換されていてもよいアルキニルオキシ；Ｒ６は、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびＲ７は水素原子］で表される基である、（Ｉ）～（ＩＸ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

【００１３】

（ＸＩＩＩ）Ａが、式：

【化１８】

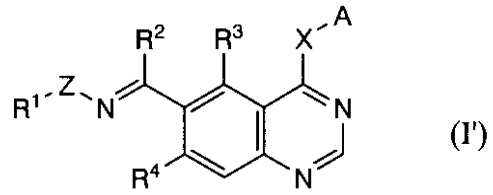


［式中、Ｒ５は、式：－Ｙ－Ｒ８（式中、Ｙは、－Ｏ－を介在してもよいアルキレン；Ｒ８は、置換基群Ｆ’（置換基群Ｆ’：ハロゲン、カルボキシ、アルキル、ハロアルキル、ヒドロキシアルキル、アルキルオキシ、アルキルオキシカルボニル、および置換されていてもよいアミノ）から選択される置換基で置換されていてもよいフェニル、置換基群Ｆ’から選択される置換基で置換されていてもよいピリジル、置換基群Ｆ’から選択される置換基で置換されていてもよいフリル、置換基群Ｆ’から選択される置換基で置換されていてもよいチエニル、置換基群Ｆ’から選択される置換基で置換されていてもよいチアゾリル、または置換基群Ｆ’から選択される置換基で置換されていてもよいオキサゾリル）で表される基；Ｒ６が、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびＲ７が水素原子］で表される基である、（Ｉ）～（ＩＸ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ＸＩＶ）（Ｉ）～（ＸＩＩＩ）のいずれかに記載の化合物を有効成分として含有する医薬組成物。

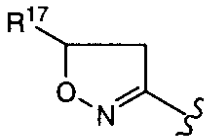
（ＸＶ）（Ｉ）～（ＸＩＩＩ）のいずれかに記載の化合物を有効成分として含有する抗癌剤。

（ＸＶＩ）（Ｉ）～（ＸＩＩＩ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物を投与することを特徴とする癌の予防および／または治療方法。
（ＸＶＩＩ）癌の予防および／または治療剤を製造するための（Ｉ）～（ＸＩＩＩ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物の使用。
【００１４】
本発明のさらなる別の態様として、以下の発明を包含する。
（ｉ）一般式（Ｉ’）：
【化１９】



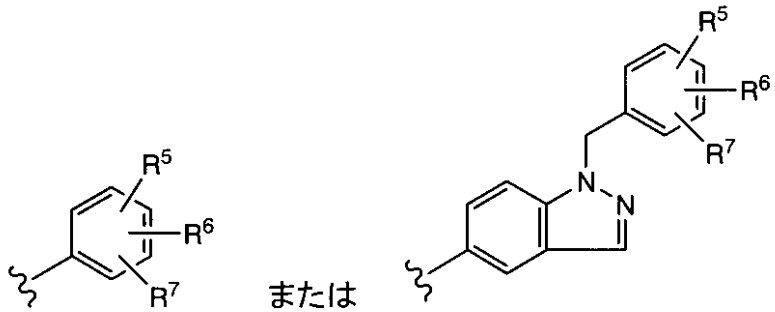
(I')

［式中、Ｒ^{1}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよい非芳香族含窒素複素環基；
Ｚは、－Ｏ－もしくは－Ｎ（Ｒ^{10}）－、または－Ｏ－もしくは－Ｎ（Ｒ^{11}）－を介在してもよいアルキレン；Ｒ^{10}およびＲ^{11}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル；
Ｒ^{2}は、水素原子、置換されていてもよいアルキル、アルケニル、アルキニル、置換されていてもよいアリール、または置換されていてもよいヘテロアリール；
または、－Ｃ（Ｒ^{2}）＝Ｎ－Ｚ－Ｒ^{1}で表される基が、式：
【化２０】



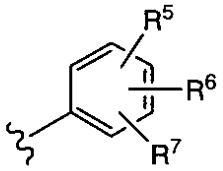
（式中、Ｒ^{17}は、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、または置換されていてもよい非芳香族含窒素複素環基）で表される基；
Ｒ^{3}およびＲ^{4}は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、ハロゲン、ヒドロキシ、メルカプト、または置換されていてもよいアミノ；
Ｘは、－Ｏ－、－Ｓ－、もしくは－Ｎ（Ｒ^{12}）－、または－Ｏ－、－Ｓ－、もしくは－Ｎ（Ｒ^{13}）－を介在してもよいアルキレン；Ｒ^{12}およびＲ^{13}は、それぞれ独立して、水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル；および
Ａは、式：

【化２１】



（式中、Ｒ^{5}は、水素原子、ハロゲン、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、または式：－Ｙ－Ｒ^{8}（式中、Yは－Ｏ－、－Ｓ－、または－Ｎ（Ｒ^{9}）－を介在してもよいアルキレン；Ｒ^{8}は置換されていてもよいアリールまたは置換されていてもよいヘテロアリール；Ｒ^{9}は水素原子、アルキル、アシル、アルキルオキシカルボニル、アルケニルオキシカルボニル、またはアラルキルオキシカルボニル）で表される基；
Ｒ^{6}およびＲ^{7}は、それぞれ独立して、水素原子、置換されていてもよいアルキル、置換されていてもよいアルケニル、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、置換されていてもよいアルケニルオキシ、置換されていてもよいアルキニルオキシ、ハロゲン、ヒドロキシ、メルカプト、または置換されていてもよいアミノ）で表される基］
で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（ｉｉ）Ｒ^{1}が、置換基群Ａ’’（置換基群Ａ’’：置換されていてもよいアミノおよび置換されていてもよい非芳香族含窒素複素環基）から選択される置換基で置換されていてもよいアルキル、または置換基群Ｂ’’（置換基群Ｂ’’：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、およびシアノ）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基である、（ｉ）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（ｉｉｉ）Ｒ^{1}が、置換基群Ｃ’’（置換基群Ｃ’’：アルキル、アルキルスルホニルアルキル、ハロゲンで置換されていてもよいアルキルカルボニル、アルキルオキシカルボニル、シクロアルキル、置換されていてもよいアミノカルボニルアルキル、置換されていてもよいアミノカルボニルオキシアルキル、アルキルオキシアルキル、および置換されていてもよいアミノアルキルカルボニル）から選択される置換基で置換されていてもよいアミノで置換されたアルキル、または置換基群Ｄ’’（置換基群Ｄ’’：オキソ、置換されていてもよいアミノカルボニル、アルキルオキシカルボニル、シアノもしくはアルキルオキシで置換されていてもよいアルキル、シアノ、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、およびアルキルスルホニルアルキルカルボニル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキルである、（ｉ）または（ｉｉ）記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（ｉｖ）Ｒ^{3}およびＲ^{4}の一方が水素原子、他方が水素原子、置換されていてもよいアルキルオキシまたは置換されていてもよいアルケニルオキシである、（ｉ）～（ｉｉｉ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（ｖ）　Ｘが、－ＮＨ－である、（ｉ）～（ｉｖ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
（ｖｉ）Ａが、式：

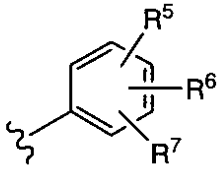
【化２２】



（式中、Ｒ^{5}は、水素原子またはハロゲン；Ｒ^{6}は、ハロゲンまたはアルキニル；およびＲ^{7}は水素原子）で表される基である、（ｉ）～（ｖ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ｖｉｉ）Ａが、式：

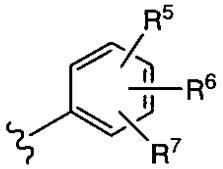
【化２３】



［式中、Ｒ^{5}は、置換基群Ｅ’’（置換基群Ｅ’’：カルボキシ、アルキルオキシカルボニル、および置換されていてもよいアミノカルボニル）から選択される置換基で置換されていてもよいアルキルオキシ、置換基群Ｅ’’から選択される置換基で置換されていてもよいアルケニルオキシ、または置換基群Ｅ’’から選択される置換基で置換されていてもよいアルキニルオキシ；Ｒ^{6}は、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびＲ^{7}は水素原子］で表される基である、（ｉ）～（ｖｉ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ｖｉｉｉ）Ａが、式：

【化２４】



［式中、Ｒ^{5}は、式：－Ｙ－Ｒ^{8}（式中、Ｙは、－Ｏ－を介在してもよいアルキレン；Ｒ^{8}は、置換基群Ｆ’’（置換基群Ｆ’’：ハロゲン、カルボキシ、アルキル、ハロアルキル、ヒドロキシアルキル、アルキルオキシ、アルキルオキシカルボニル、および置換されていてもよいアミノ）から選択される置換基で置換されていてもよいフェニル、置換基群Ｆ’’から選択される置換基で置換されていてもよいピリジル、置換基群Ｆ’’から選択される置換基で置換されていてもよいフリル、置換基群Ｆ’’から選択される置換基で置換されていてもよいチエニル、置換基群Ｆ’’から選択される置換基で置換されていてもよいチアゾリル、または置換基群Ｆ’’から選択される置換基で置換されていてもよいオキサゾリル）で表される基；Ｒ^{6}が、置換されていてもよいアルキニル、置換されていてもよいアルキルオキシ、またはハロゲン；およびＲ^{7}が水素原子］で表される基である、（ｉ）～（ｖｉｉ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

（ｉｘ）（ｉ）～（ｖｉｉｉ）のいずれかに記載の化合物を有効成分として含有する医薬組成物。

（ｘ）（ｉ）～（ｖｉｉｉ）のいずれかに記載の化合物を有効成分として含有する抗癌剤。

（ｘｉ）（ｉ）～（ｖｉｉｉ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物を投与することを特徴とする癌の予防および／または治療方法。

（ｘｉｉ）癌の予防および／または治療剤を製造するための（ｉ）～（ｖｉｉｉ）のいずれかに記載の化合物もしくはその製薬上許容される塩またはそれらの溶媒和物の使用。

【００１５】

本明細書中、「ハロゲン」とは、フッ素、塩素、臭素、ヨウ素を意味する。フッ素、塩素、および臭素が好ましい。

【００１６】

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「アルキル」とは、炭素原子数１～１０の直鎖または分枝鎖の１価の炭化水素基を包含する。例えば、メチル、エチル、ｎ－プロピル、イソプロピル、ｎ－ブチル、イソブチル、ｓｅｃ－ブチル、ｔｅｒｔ－ブチル、ｎ－ペンチル、イソペンチル、ｎｅｏ－ペンチル、ｎ－ヘキシル、イソヘキシル、ｎ－ヘプチル、ｎ－オクチル、ｎ－ノナニル、ｎ－デカニル等が挙げられる。好ましくは、Ｃ１～Ｃ１０アルキルが挙げられる。さらに好ましくは、Ｃ１～Ｃ６アルキルが挙げられる。最も好ましくは、Ｃ１～Ｃ４アルキルが挙げられる。

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「ハロアルキル」なる用語は、前記「ハロゲン」によって１～８箇所、好ましくは１～５箇所置換された前記「アルキル」を包含する。例えば、トリフルオロメチル、トリクロロメチル、ジフルオロエチル、トリフルオロエチル、ジクロロエチル、トリクロロエチル等が挙げられる。好ましくは、前記「ハロゲン」によって１～５箇所置換されたＣ１～Ｃ６アルキルが挙げられる。特に、前記「ハロゲン」によって１～３箇所置換されたＣ１～Ｃ３アルキルが好ましい。最も好ましくは、トリフルオロメチルが挙げられる。

本明細書中、「アルキルスルホニル」としては、メチルスルホニル、エチルスルホニル、プロピルスルホニル等が挙げられる。好ましくは、Ｃ１～Ｃ６アルキルスルホニルが挙げられる。特に、Ｃ１～Ｃ３アルキルスルホニルが好ましい。

本明細書中、「アルキルスルホニルアルキル」としては、メチルスルホニルメチル、メチルスルホニルエチル、メチルスルホニルプロピル、メチルスルホニルブチル、メチルスルホニルプロピル等が挙げられる。好ましくは、Ｃ１～Ｃ６アルキルスルホニルＣ１～Ｃ６アルキルが挙げられる。特に、Ｃ１～Ｃ３アルキルスルホニルＣ１～Ｃ４アルキルが好ましい。

本明細書中、「アルキルオキシ」としては、メチルオキシ、エチルオキシ、ｎ－プロピルオキシ、イソプロピルオキシ、ｎ－ブチルオキシ、イソブチルオキシ、ｓｅｃ－ブチルオキシ、ｔｅｒｔ－ブチルオキシ、ｎ－ペンチルオキシ、ｎ－ヘキシルオキシ、ｎ－ヘプチルオキシ、ｎ－オクチルオキシ、ｎ－ノナニルオキシ、ｎ－デカニルオキシ等が挙げられる。好ましくは、Ｃ１～Ｃ６アルキルオキシが挙げられる。特に、Ｃ１～Ｃ３アルキルオキシが好ましい。

本明細書中、「アルキルオキシアルキル」としては、メチルオキシメチル、メチルオキシエチル、メチルオキシプロピル、エチルオキシメチル、エチルオキシエチル、エチルオキシプロピル等が挙げられる。好ましくは、Ｃ１～Ｃ６アルキルオキシＣ１～Ｃ６アルキルが挙げられる。特に、Ｃ１～Ｃ３アルキルオキシＣ１～Ｃ４アルキルが好ましい。

本明細書中、「アルキルオキシカルボニル」としては、メチルオキシカルボニル、エチルオキシカルボニル、ｎ－プロピルオキシカルボニル、イソプロピルオキシカルボニル、ｎ－ブチルオキシカルボニル、ｔ－ブチルオキシカルボニル、ｎ－ペンチルオキシカルボニル等が挙げられる。好ましくは、Ｃ１～Ｃ６アルキルオキシカルボニルが挙げられる。特に、Ｃ１～Ｃ３アルキルオキシカルボニルが好ましい。

本明細書中、「アルキルカルボニル」としては、メチルカルボニル、エチルカルボニル、ｎ－プロピルカルボニル、イソプロピルカルボニル、ｎ－ブチルカルボニル、ｔ－ブチルカルボニル、ｎ－ペンチルカルボニル等が挙げられる。好ましくは、Ｃ１～Ｃ６アルキルカルボニルが挙げられる。特に、Ｃ１～Ｃ３アルキルカルボニルが好ましい。

本明細書中、「ハロアルキルオキシ」としては、トリフルオロメチルオキシ、トリクロロメチルオキシ、ジフルオロエチルオキシ、トリフルオロエチルオキシ、ジクロロエチルオキシ、トリクロロエチルオキシ等が挙げられる。好ましくは、ハロＣ１～Ｃ６アルキルオキシが挙げられる。特に、好ましくは、ハロＣ１～Ｃ３アルキルオキシが好ましい。最も好ましくは、トリフルオロメチルオキシが挙げられる。

本明細書中、「アミノカルボニルアルキル」としては、アミノカルボニルメチル、アミノカルボニルエチル、アミノカルボニルプロピル、アミノカルボニルブチル等が挙げられる。好ましくは、アミノカルボニルＣ１～Ｃ６アルキルが挙げられる。特に、アミノカルボニルＣ１～Ｃ３アルキルが好ましい。

本明細書中、「アミノカルボニルアルキルオキシ」としては、アミノカルボニルメチルオキシ、アミノカルボニルエチルオキシ、アミノカルボニルプロピルオキシ、アミノカルボニルブチルオキシ等が挙げられる。好ましくは、アミノカルボニルＣ１～Ｃ６アルキルオキシが挙げられる。特に、アミノカルボニルＣ１～Ｃ３アルキルオキシが好ましい。

本明細書中、「ヒドロキシアルキル」としては、ヒドロキシメチル、ヒドロキシエチル、ヒドロキシプロピル、ヒドロキシブチル等が挙げられる。好ましくは、ヒドロキシＣ１～Ｃ６アルキルが挙げられる。特に、ヒドロキシＣ１～Ｃ３アルキルが好ましい。

本明細書中、「アルキルチオ」としては、メチルチオ、エチルチオ、プロピルチオ、ブチルチオ等が挙げられる。好ましくは、Ｃ１～Ｃ６アルキルチオが挙げられる。特に、Ｃ１～Ｃ３アルキルチオが好ましい。

【００１７】

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「アルキレン」とは、炭素原子数１～４の直鎖または分枝鎖の２価の炭化水素基を包含する。例えば、メチレン、エチレン、プロピレン、ブチレン等が挙げられる。好ましくは、Ｃ１～Ｃ３アルキレンが挙げられる。特に、Ｃ１～Ｃ２アルキレンが好ましい。

Ｚにおける「－Ｏ－もしくは－Ｎ（R^{11}）－を介在してもよいアルキレン」としては、$-CH_2-O-$、$-O-CH_2-$、$-CH_2-N(R^{11})-$、$-N(R^{11})-CH_2-$、$-(CH_2)_2-O-$、$-O-(CH_2)_2-$、$-(CH_2)_2-N(R^{11})-$、$-N(R^{11})-(CH_2)_2-$等を包含する。特に、$-O-CH_2-$、$-N(R^{11})-CH_2-$、$-O-(CH_2)_2-$、$-N(R^{11})-(CH_2)_2-$等が好ましい。

Ｘにおける「－Ｏ－、－Ｓ－、または－Ｎ（R^{12}）－を介在してもよいアルキレン」としては、$-CH_2-O-$、$-O-CH_2-$、$-CH_2-S-$、$-S-CH_2-$、$-CH_2-N(R^{12})-$、$-N(R^{12})-CH_2-$、$-(CH_2)_2-O-$、$-O-(CH_2)_2-$、$-(CH_2)_2-S-$、$-S-(CH_2)_2-$、$-(CH_2)_2-N(R^{12})-$、$-N(R^{12})-(CH_2)_2-$等を包含する。

Ｙにおける「－Ｏ－、－Ｓ－、または－Ｎ（R^{9}）－を介在してもよいアルキレン」としては、$-CH_2-O-$、$-O-CH_2-$、$-CH_2-S-$、$-S-CH_2-$、$-CH_2-N(R^{9})-$、$-N(R^{9})-CH_2-$、$-(CH_2)_2-O-$、$-O-(CH_2)_2-$、$-(CH_2)_2-S-$、$-S-(CH_2)_2-$、$-(CH_2)_2-N(R^{9})-$、$-N(R^{9})-(CH_2)_2-$、$-O-CH(CH_3)-$等を包含する。

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「シクロアルキル」とは、炭素原子数が３～８個であるシクロアルキルを包含する。例えば、シクロプロピル、シクロブチル、シクロペンチル、シクロヘキシル、シクロヘプチル、シクロオクチルが挙げられる。好ましくはＣ５～Ｃ６シクロアルキルが挙げられる。

【００１８】

本明細書中、「アルケニル」とは、炭素原子数が２～８個であり、１個もしくは２個以上の二重結合を有する、直鎖または分枝鎖の１価の炭化水素基を包含する。三重結合を鎖内に有していてもよい。例えば、ビニル、アリル、１－プロペニル、２－プロペニル、種々のブテニル異性体等が挙げられる。好ましくは、Ｃ２～Ｃ６アルケニルが挙げられる。さらに好ましくは、Ｃ２～Ｃ４アルケニルが挙げられる。

本明細書中、「アルケニルオキシ」としては、ビニルオキシ、アリルオキシ、１－プロ

ペニルオキシ、２－プロペニルオキシ、種々のブテニルオキシが挙げられる。好ましくは、Ｃ２～Ｃ６アルケニルオキシが挙げられる。特に、Ｃ２～Ｃ４アルケニルオキシが好ましい。

本明細書中、「アルケニルオキシカルボニル」としては、ビニルオキシカルボニル、アリルオキシカルボニル、１－プロペニルオキシカルボニル、２－プロペニルオキシカルボニル、種々のブテニルオキシカルボニルが挙げられる。好ましくは、Ｃ２～Ｃ６アルケニルオキシカルボニルが挙げられる。特に、Ｃ２～Ｃ４アルケニルオキシカルボニルが好ましい。

本明細書中、「アルキニル」とは、炭素原子数が２～８個であり、１個もしくは２個以上の三重結合を有する、直鎖または分枝鎖の１価の炭化水素基を包含する。例えば、エチニル、１－プロピニル、２－プロピニル、１－ブチニル、２－ブチニル、３－ブチニル、１－ペンチニル、２－ペンチニル、種々のペンチニル異性体等が挙げられる。好ましくは、Ｃ２～Ｃ６アルキニルが挙げられる。さらに好ましくは、Ｃ２～Ｃ４アルキニルが挙げられる。

本明細書中、「アルキニルオキシ」としては、エチニルオキシ、プロピニルオキシ、ブチニルオキシ、ペンチニルオキシ等が挙げられる。好ましくは、Ｃ２～Ｃ６アルキニルオキシが挙げられる。特に、Ｃ２～Ｃ４アルキニルオキシが好ましい。

【００１９】

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「アリール」とは、単環状もしくは縮合環状芳香族炭化水素を包含する。例えば、フェニル、１－ナフチル、２－ナフチル、アントリル等が挙げられる。フェニル、１－ナフチル、２－ナフチルが好ましい。特にフェニルが好ましい。

本明細書中、「アラルキル」とは、前記「アルキル」に前記「アリール」が１または２以上置換したものを包含し、これらは可能な全ての位置で置換しうる。例えば、ベンジル、フェニルエチル（例えば、２－フェニルエチル等）、フェニルプロピル（例えば、３－フェニルプロピル等）、ナフチルメチル（例えば、１－ナフチルメチル、２－ナフチルメチル等）、アントリルメチル（例えば、９－アントリルメチル等）等が挙げられる。好ましくは、ベンジル、フェニルエチルが挙げられる。

本明細書中、「アラルキルオキシ」としては、ベンジルオキシ、フェニルエチルオキシ（例えば、２－フェニルエチルオキシ等）、フェニルプロピルオキシ（例えば、３－フェニルプロピルオキシ等）、ナフチルメチルオキシ（例えば、１－ナフチルメチル、２－ナフチルメチルオキシ等）、アントリルメチルオキシ（例えば、９－アントリルメチルオキシ等）等が挙げられる。好ましくは、ベンジルオキシ、フェニルエチルオキシが挙げられる。

本明細書中、「アラルキルオキシカルボニル」としては、ベンジルオキシカルボニル、フェニルエチルオキシカルボニル（例えば、２－フェニルエチルオキシカルボニル等）、フェニルプロピルオキシカルボニル（例えば、３－フェニルプロピルオキシカルボニル等）、ナフチルメチルオキシカルボニル（例えば、１－ナフチルメチル、２－ナフチルメチルオキシカルボニル等）、アントリルメチルオキシカルボニル（例えば、９－アントリルメチルオキシカルボニル等）等が挙げられる。好ましくは、ベンジルオキシカルボニル、フェニルエチルオキシカルボニルが挙げられる。

【００２０】

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「非芳香族複素環基」なる用語は、任意に選ばれる、酸素原子、硫黄原子又は窒素原子を環内に１個以上含む非芳香族の５～７員環またはそれに別の１以上の「非芳香族複素環基」もしくは「ヘテロアリール」が縮合した環から誘導される基を包含する。例えば、ピロリジニル（例えば、１－ピロリジニル、２－ピロリジニル）、ピロリニル（例えば、３－ピロリニル）、イミダゾリジニル（例えば、２－イミダゾリジニル）、イミダゾリニル（例えば、イミダゾリニル）、ピラゾリジニル（例えば、１－ピラゾリジニル、２－ピラゾリジニル）、ピラゾリニル（例えば、ピラゾリニル）、ピペリジル（例えば、ピペリジノ、２－ピペリジル）、ピ

ペラジニル（例えば、１－ピペラジニル、２－ピペラジニル）、インドリニル（例えば、１－インドリニル）、イソインドリニル（例えば、イソインドリニル）、モルホリニル（例えば、モルホリノ、２－モルホリニル、３－モルホリニル）、テトラヒドロフラニル、ジヒドロピラニル、テトラヒドロピラニル、ジオキソラニル、テトラヒドロチエニル、ジヒドロチオピラニル、テトラヒドロチオフラニル、デカヒドロイソキノリル、アゼピニル、オキセピニル、ジヒドロオキセピニル、テトラヒドロオキセピニル、オキセパニル、４，５，６，７－テトラヒドロチエノ［３，２］ピリジル、２－オキサ－５－アザ－ビシクロ［２．２．１］ヘプター５－イル、ヘキサヒドロピラジル［２．１－ｂ］［１，３］オキサジン－８－イル等が挙げられる。

Ｒ^{19}における「非芳香族複素環基」としては、ピロリジニル（例えば、１－ピロリジニル、２－ピロリジニル）、ピペリジル（例えば、ピペリジノ、２－ピペリジル）、ピペラジニル（例えば、１－ピペラジニル）、モルホリニル（例えば、モルホリノ、３－モルホリニル）、テトラヒドロフラニルが好ましい。

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「非芳香族含窒素複素環基」なる用語は、窒素原子を少なくとも１つ環内に含み、さらに酸素原子および硫黄原子から任意に選ばれる原子を環内に１個以上含んでいてもよい非芳香族の４～７員環またはそれらが２個以上縮合した環から誘導される基を包含する。例えば、アゼチジニル（例えば、１－アゼチジニル、２－アゼチジニル、３－アゼチジニル）、ピロリジニル（例えば、１－ピロリジニル、２－ピロリジニル、３－ピロリジニル）、ピロリニル（例えば、３－ピロリニル）、イミダゾリジニル（例えば、２－イミダゾリジニル）、イミダゾリニル（例えば、イミダゾリニル）、ピラゾリジニル（例えば、１－ピラゾリジニル、２－ピラゾリジニル）、ピラゾリニル（例えば、ピラゾリニル）、ピペリジル（例えば、ピペリジノ、２－ピペリジル、３－ピペリジル、４－ピペリジル）、ピペラジニル（例えば、１－ピペラジニル、２－ピペラジニル）、インドリニル（例えば、１－インドリニル）、イソインドリニル（例えば、イソインドリニル）、モルホリニル（例えば、モルホリノ、２－モルホリニル、３－モルホリニル）、１，４－チアジニル（例えば、１，４－チアジン－１－イル、１，４－チアジン－２－イル、）、チオモルホリニル（例えば、１－チオモルホリニル、２－チオモルホリニル）、デカヒドロイソキノリル（例えば２－デカヒドロイソキノリル）、アゼピニル（例えば１－アゼピニル）、ジアゼピニル、４，５，６，７－テトラヒドロチエノ［３，２］ピリジル、２－オキサ－５－アザ－ビシクロ［２．２．１］ヘプター５－イル、ヘキサヒドロピラジル［２．１－ｂ］［１，３］オキサジン－８－イル等が挙げられる。

Ｒ^{1}およびＲ^{17}における「非芳香族含窒素複素環基」としては、アゼチジニル（例えば、１－アゼチジニル、２－アゼチジニル、３－アゼチジニル）、ピロリジニル（例えば、１－ピロリジニル、２－ピロリジニル、３－ピロリジニル）、ピペリジル（例えば、ピペリジノ、２－ピペリジル、３－ピペリジル、４－ピペリジル）が好ましい。

Ｗ^{1}における「非芳香族含窒素複素環基」としては、アゼチジニル（例えば、１－アゼチジニル、２－アゼチジニル、３－アゼチジニル）、ピロリジニル（例えば、１－ピロリジニル、２－ピロリジニル、３－ピロリジニル）、ピペリジル（例えば、ピペリジノ、２－ピペリジル、３－ピペリジル、４－ピペリジル）、ピペラジニル（例えば、１－ピペラジニル）、モルホリニル（例えば、モルホリノ、３－モルホリニル）が好ましい。

置換基群Ａにおける「非芳香族含窒素複素環基」としては、ピロリジニル（例えば、１－ピロリジニル、２－ピロリジニル、３－ピロリジニル）、ピペリジル（例えば、ピペリジノ、２－ピペリジル、３－ピペリジル、４－ピペリジル）、ピペラジニル（例えば、１－ピペラジニル、２－ピペラジニル）、モルホリニル（例えば、モルホリノ、２－モルホリニル、３－モルホリニル）、チオモルホリニル（例えば、１－チオモルホリニル、２－チオモルホリニル）、デカヒドロイソキノリル（例えば２－デカヒドロイソキノリル）、アゼピニル（例えば１－アゼピニル）、ジアゼピニル、４，５，６，７－テトラヒドロチエノ［３，２］ピリジル、２－オキサ－５－アザ－ビシクロ［２．２．１］ヘプター５－イル、ヘキサヒドロピラジル［２．１－ｂ］［１，３］オキサジン－８－イルが好ましい

。

【００２１】

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「ヘテロアリール」とは、任意に選ばれる、酸素原子、硫黄原子又は窒素原子を環内に１個以上含む５～６員の芳香環基を包含する。これは前記「シクロアルキル」、前記「アリール」、前記「非芳香族複素環基」、もしくは他のヘテロアリールと可能な全ての位置で縮合していてもよい。ヘテロアリールが単環および縮合環のいずれである場合も、すべての可能な位置で結合しうる。例えば、ピロリル（例えば、１－ピロリル、２－ピロリル、３－ピロリル）、フリル（例えば、２－フリル、３－フリル）、チエニル（例えば、２－チエニル、３－チエニル）、イミダゾリル（例えば、２－イミダゾリル、４－イミダゾリル）、ピラゾリル（例えば、１－ピラゾリル、３－ピラゾリル）、イソチアゾリル（例えば、３－イソチアゾリル）、イソオキサゾリル（例えば、３－イソオキサゾリル）、オキサゾリル（例えば、２－オキサゾリル）、チアゾリル（例えば、２－チアゾリル、５－チアゾリル）、ピリジル（例えば、２－ピリジル、３－ピリジル、４－ピリジル）、ピラジニル（例えば、２－ピラジニル）、ピリミジニル（例えば、２－ピリミジニル、４－ピリミジニル）、ピリダジニル（例えば、３－ピリダジニル）、トリアゾリル、テトラゾリル（例えば、１Ｈ－テトラゾリル）、オキサジアゾリル（例えば、１，３，４－オキサジアゾリル）、チアジアゾリル（例えば、１，３，４－チアジアゾリル）、インドリジニル（例えば、２－インドリジニル、６－インドリジニル）、イソインドリル（例えば、２－イソインドリル）、インドリル（例えば、１－インドリル、２－インドリル、３－インドリル）、インダゾリル（例えば、３－インダゾリル）、プリニル（例えば、８－プリニル）、キノリジニル（例えば、２－キノリジニル）、イソキノリル（例えば、３－イソキノリル）、キノリル（例えば、２－キノリル、５－キノリル）、フタラジニル（例えば、１－フタラジニル）、ナフチリジニル（例えば、２－ナフチリジニル）、キノラニル（例えば、２－キノラニル）、キナゾリニル（例えば、２－キナゾリニル）、シンノリニル（例えば、３－シンノリニル）、プテリジニル（例えば、２－プテリジニル）、カルバゾリル（例えば、２－カルバゾリル、４－カルバゾリル）、フェナントリジニル（例えば、２－フェナントリジニル、３－フェナントリジニル）、アクリジニル（例えば、１－アクリジニル、２－アクリジニル）、ジベンゾフラニル（例えば、１－ジベンゾフラニル、２－ジベンゾフラニル）、ベンゾイミダゾリル（例えば、２－ベンゾイミダゾリル）、ベンゾイソオキサゾリル（例えば、３－ベンゾイソオキサゾリル）、ベンゾオキサゾリル（例えば、２－ベンゾオキサゾリル）、ベンゾオキサジアゾリル（例えば、４－ベンゾオキサジアゾリル）、ベンゾイソチアゾリル（例えば、３－ベンゾイソチアゾリル）、ベンゾチアゾリル（例えば、２－ベンゾチアゾリル）、ベンゾフリル（例えば、３－ベンゾフリル）、ベンゾチエニル（例えば、２－ベンゾチエニル）、４，５－ジヒドロナフト［１，２－ｄ］チアゾリル、４Ｈ－クロメノ［４，３－ｄ］チアゾリル、４Ｈ－チオクロメノ［４，３－ｄ］チアゾリル、４，５－ジヒドロチアゾロ［５，４－ｃ］キノリル、８Ｈ－インデノ［１，２－ｄ］チアゾリル、５，６－ジヒドロ－４Ｈ－３－チア－１－アザ－ベンゾ［ｅ］アズレニル等が挙げられる。

R^2における「ヘテロアリール」としては、ピリジル、フリル、チエニル、チアゾリル、オキサゾリル、チアジアゾリル、オキサジアゾリル、トリアゾリル等が好ましい。さらに好ましくは、ピリジル、フリル、チエニル、チアゾリル等が挙げられる。

R^8における「ヘテロアリール」としては、ピリジル、フリル、チエニル、チアゾリル、オキサゾリル、チアジアゾリル、オキサジアゾリル、トリアゾリル等が好ましい。さらに好ましくは、ピリジル、フリル、チエニル、チアゾリル等が挙げられる。

R^{19}における「ヘテロアリール」としては、ピリジル、フリル、チエニル等が好ましい。

W^1における「ヘテロアリール」としては、ピロリル、イミダゾリル、ピラゾリル、トリアゾリル、テトラゾリル等が好ましい。

本明細書中、「ヘテロアリールアルキル」とは、前記「アルキル」の任意の位置に前記「

ヘテロアリール」が１または２以上置換したものを包含し、これらは可能な全ての位置で置換しうる。例えば、チエニルメチル（例えば、２－チエニルメチル）、チエニルエチル（例えば、２－（チオフェン－２－イル）エチル）、フリルメチル（例えば、２－フリルメチル）、フリルエチル（例えば２－（フラン－２－イル）エチル）、ピロリルメチル（例えば、２－ピロリルメチル）、ピロリルエチル（例えば、２－（ピロール－２－イル）エチル）、イミダゾリルメチル（例えば、２－イミダゾリルメチル、４－イミダゾリルメチル）、イミダゾリルエチル（例えば、２－（イミダゾール－２－イル）エチル）、ピラゾリルメチル（例えば、３－ピラゾリルメチル）、ピラゾリルエチル（例えば、２－（ピラゾール－３－イル）エチル）、チアゾリルメチル（例えば、２－チアゾリルメチル）、チアゾリルエチル（例えば、２－（チアゾール－２－イル）エチル）、イソチアゾリルメチル（例えば、３－イソチアゾリルメチル）、イソオキサゾリルメチル（例えば、３－イソオキサゾリルメチル）、オキサゾリルメチル（例えば、２－オキサゾリルメチル）、オキサゾリルエチル（例えば、２－（オキサゾール－２－イル）エチル）、ピリジルメチル（例えば、２－ピリジルメチル、３－ピリジルメチル、４－ピリジルメチル）、ピリジルエチル（例えば、２－ピリジルエチル）等が挙げられる。

【００２２】

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「アシル」なる用語は、アルキル部分が前記「アルキル」であるアルキルカルボニル、ハロアルキル部分が前記「ハロアルキル」であるハロアルキルカルボニル、アルケニル部分が前記「アルケニル」であるアルケニルカルボニル、アラルキル部分が前記「アラルキル」であるアラルキルカルボニル、またはアリール部分が前記「アリール」であるアリールカルボニルを包含する。例えば、アセチル、プロピオニル、ブチロイル、トリフルオロメチルカルボニル、ビニルカルボニル、フェニルアセチル、ベンゾイル等が挙げられる。「アルキル」、「アルケニル」、および「アリール」は後述のそれぞれの置換基によって置換されていてもよい。

R^{10}およびR^{11}における、「アシル」としては、アセチル、ベンゾイル、フェニルアセチル等が好ましい。

R^{12}およびR^{13}における、「アシル」としては、アセチル、ベンゾイル、フェニルアセチル等が好ましい。

R^{9}における、「アシル」としては、アセチル、ベンゾイル、フェニルアセチル等が好ましい。

本明細書中、「アシルオキシ」としては、アセチルオキシ、プロピオニルオキシ、ベンゾイルオキシ等が挙げられる。

【００２３】

本明細書中、単独でもしくは他の用語と組み合わせて用いられる「置換されていてもよいアミノ」なる用語は、置換基群Ａから選択される置換基で選択されていてもよい前記「アルキル」、前記「ハロアルキル」、前記「アルケニル」、前記「アルキニル」、前記「アルキルスルホニル」、前記「アルキルスルホニルアルキル」、前記「アルキルオキシカルボニル」、前記「アミノカルボニルオキシアルキル」、前記「アルキルオキシ」、置換基群Ａから選択される置換基で置換されていてもよい前記「アルキルオキシアルキル」、置換基群Ａから選択される置換基で置換されていてもよい前記「シクロアルキル」、置換基群Ｇから選択される置換基で置換されていてもよい前記「アリール」、前記「アラルキル」、前記「ヘテロアリール」、前記「ヘテロアリールアルキル」、前記「アシル」、置換基群Ｇから選択される置換基で置換されていてもよい前記「アミノカルボニルアルキル」、または置換基群Ｇから選択される置換基で置換されていてもよい前記「アミノアルキルカルボニル」、アルケニルオキシ部分が前記「アルケニルオキシ」である「アルケニルオキシカルボニル」、アラルキルオキシ部分が前記「アラルキルオキシ」である「アラルキルオキシカルボニル」で１または２箇所置換されていてもよいアミノを包含する（置換基群Ｇ：アルキル、アルケニル、およびアラルキル）。例えば、アミノ、メチルアミノ、ジメチルアミノ、エチルメチルアミノ、ジエチルアミノ、エチルメチルアミノ、ジイソプロピルアミノ、ベンジルアミノ、アセチルアミノ、トリフルオロメチルカルボニル、ベン

ゾイルアミノ、メチルオキシカルボニルアミノ、エチルオキシカルボニルアミノ、ｎ－プロピルオキシカルボニルアミノ、イソプロピルオキシカルボニルアミノ、ｎ－ブチルオキシ、イソブチルオキシカルボニルアミノ、ｓｅｃ－ブチルオキシカルボニルアミノ、ｔｅｒｔ－ブチルオキシカルボニルアミノ、アリルオキシカルボニルアミノ、ベンジルオキシカルボニルアミノ、シクロペンチルアミノ、シクロヘキシルアミノ等が挙げられる。

R^3およびR^4における、「置換されていてもよいアミノ」の置換基としては、アルキル、アシル等が好ましい。

R^6およびR^7における、「置換されていてもよいアミノ」の置換基としては、アルキル等が好ましい。

置換基群Ａにおける、「置換されていてもよいアミノ」および「置換されていてもよいアミノカルボニル」の置換基としては、アルキル、アルケニル、アルキニル、置換基群Ｉから選択される置換基で置換されていてもよいアリール、アラルキル、アルキルオキシ、ヒドロキシアルキル、ヒドロキシアルキルオキシアルキル、ハロアルキル、１または2のアルキルで置換されていてもよいアミノアルキル、アルキルスルホニル、アルキルスルホニルアルキル、ハロゲンもしくはアルキルオキシで置換されていてもよいアルキルカルボニル、アルキルオキシカルボニル、置換基群Ｉから選択される置換基で置換されていてもよいシクロアルキル、カルボキシアルキル、置換基群Ｇから選択される置換基で置換されていてもよいアミノカルボニルアルキル、置換基群Ｇから選択される置換基で置換されていてもよいアミノカルボニルオキシアルキル、アルキルオキシアルキル、アルキルチオアルキル、アルキルカルボニルアミノアルキル、アルキルスルホニルアミノアルキル、アルキルスルホニル（アルキル）アミノアルキル、アルキルオキシカルボニルアルキル、アルキルチオ（ヒドロキシ）アルキル、シクロアルキルアルキル、シアノアルキル、置換基群Ｇから選択される置換基で置換されていてもよいアミノアルキルカルボニル、置換基群Ｇから選択される置換基で置換されていてもよいヘテロアリール、ヘテロアリールアルキル、ヒドロキシアルキルオキシアルキル、置換基群Ｉから選択される置換基で置換されていてもよい非芳香族複素環基、置換基群Ｉから選択される置換基で置換されていてもよい非芳香族複素環アルキル等が好ましい。

本明細書中、「置換されていてもよいアミノカルボニル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。特に、アルキルが好ましい。

置換基群Ｂにおける、「置換されていてもよいアミノカルボニル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。

置換基群Ｄにおける、「置換されていてもよいアミノカルボニル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。

置換基群Ｅにおける、「置換されていてもよいアミノカルボニル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。

置換基群Ｈにおける、「置換されていてもよいアミノカルボニル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。

本明細書中、「置換されていてもよいアミノカルボニルアルキル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。特に、アルキルが好ましい。

置換基群Ｃにおける、「置換されていてもよいアミノカルボニルアルキル」における置換基としては、アルキルアルケニル、アラルキル等が好ましい。

本明細書中、「置換されていてもよいアミノカルボニルオキシアルキル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。特に、アルキルが好ましい。

置換基群Ｃにおける、「置換されていてもよいアミノカルボニルオキシアルキル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。

本明細書中、「置換されていてもよいアミノアルキルカルボニル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。特に、アルキルが好ましい。

置換基群Ｃにおける、「置換されていてもよいアミノアルキルカルボニル」における置換基としては、アルキル、アルケニル、アラルキル等が好ましい。

本明細書中、「置換されていてもよいウレイド」なる用語は、前記「アルキル」、前記「シクロアルキル」、前記「アリール」、前記「アラルキル」、前記「ヘテロアリール」、前記「ヘテロアリールアルキル」、前記「アシル」、シアノアルキル、またはアルキルオキシアルキルで１または２箇所以上置換されていてもよいウレイドを包含する。

本明細書中、「置換されていてもよいグアニジノ」なる用語は、前記「アルキル」、前記「シクロアルキル」、前記「アリール」、前記「アラルキル」、前記「ヘテロアリール」、前記「ヘテロアリールアルキル」、前記「アシル」、シアノ、シアノアルキル、またはアルキルオキシアルキルで１または２箇所以上置換されていてもよいグアニジノを包含する。

【００２４】

本明細書中、「置換されていてもよいアルキル」における置換基としては、置換されていてもよいアミノ、置換されていてもよい非芳香族含窒素複素環基、置換されていてもよい非芳香族含窒素複素環カルボニル、アルキル、アルキルオキシ、シアノ、アルキルスルホニル、シクロアルキル、アルケニル、ヘテロアリール、ヘテロアリールオキシ、ヒドロキシ、メルカプト、アルキルチオ、ハロゲン、ニトロ、カルボキシ、アルキルオキシカルボニル、ヒドロキシアルキル、ハロアルキル、ハロアルキルオキシ、アルキルカルボニルオキシ、カルバモイルオキシ、置換されていてもよいアミノカルボニル、アミノカルボニルアルキルオキシ、アシル、アシルオキシ、アリールオキシ、アラルキル、アラルキルオキシ、置換されていてもよいグアニジノ、アゾ基、置換されていてもよいウレイド等が挙げられる。これらは、全ての可能な位置で１個以上置換しうる。

R^1、R^{17}およびR^{19}における「置換されていてもよいアルキル」の置換基としては、置換基群Ａから選択される置換基、アルキルオキシ、シアノ、ハロゲン、ヘテロアリール等が好ましい。特に、置換基群Ｃから選択される置換基で置換されていてもよいアミノ、置換基群Ｄから選択される置換基で置換されていてもよい非芳香族含窒素複素環基が好ましい。

R^2における「置換されていてもよいアルキル」の置換基としては、置換基群Ａから選択される置換基、アルキルオキシ、アルキルカルボニル、およびハロゲンが好ましい。特に、ヒドロキシ、アルキルオキシ、およびハロゲンが好ましい。

R^3およびR^4における、「置換されていてもよいアルキル」の置換基としては、アルキルオキシ、アルキルオシキカルボニル、アミノカルボニル、シアノ等が好ましい。

R^6およびR^7における、「置換されていてもよいアルキル」の置換基としては、アルキルオキシ、アルキルオシキカルボニル、アミノカルボニル、シアノ、ヒドロキシ等が好ましい。

R^{18}における、「置換されていてもよいアルキル」の置換基としては、ヒドロキシ、アルキルオキシ、ハロゲン、シアノ等が好ましい。

R^{20}における、「置換されていてもよいアルキル」の置換基としては、ヒドロキシ、アルキルオキシ、ハロゲン、シアノ等が好ましい。

【００２５】

本明細書中、「置換されていてもよいアルケニル」および「置換されていてもよいアルキニル」における置換基としては、置換されていてもよいアミノ、置換されていてもよい非芳香族含窒素複素環基、シクロアルキル、ヒドロキシ、アルキルオキシ、メルカプト、アルキルチオ、ハロゲン、ニトロ、シアノ、カルボキシ、アルキルオキシカルボニル、ハロアルキル、ハロアルキルオキシ、置換されていてもよいアミノカルボニル、アシル、アシルオキシ、アリール、アリールオキシ、アラルキル、アラルキルオキシ、アルキルスルホニル、グアニジノ、アゾ基、置換されていてもよいウレイド等が挙げられる。これらは、全ての可能な位置で１個以上置換しうる。

R^1およびR^{17}おける「置換されていてもよいアルケニル」の置換基としては、置換基群Ａから選択される置換基が好ましい。特に、置換基群Ｃから選択される置換基で置換されていてもよいアミノ、置換基群Ｄから選択される置換基で置換されていてもよい非芳香族含窒素複素環基が好ましい。

R^2における、「置換されていてもよいアルケニル」および「置換されていてもよいアルキニル」の置換基としては、置換基群Ａから選択される置換基、シクロアルキル、アルキルオキシ、およびハロゲンが好ましい。特に、ヒドロキシ、シクロアルキル、アルキルオキシ、およびハロゲンが好ましい。

R^3およびR^4における、「置換されていてもよいアルケニル」および「置換されていてもよいアルキニル」の置換基としては、アルキルオキシ、アルキルオキシカルボニル、アミノカルボニル、シアノ等で置換されていてもよいアルキル、アルキルオキシ、アルキルオキシカルボニル、アミノカルボニル、シアノ等で置換されていてもよいアルキルオキシカルボニル、置換されていてもよいアミノカルボニル等が好ましい。

R^6およびR^7における、「置換されていてもよいアルケニル」および「置換されていてもよいアルキニル」の置換基としては、アルキルオキシ、アルキルオキシカルボニル、アミノカルボニル、シアノ等で置換されていてもよいアルキル、アルキルオキシ、アルキルオキシカルボニル、アミノカルボニル、シアノ等で置換されていてもよいアルキルオキシカルボニル、置換されていてもよいアミノカルボニル等が好ましい。

R^{18}における、「置換されていてもよいアルケニル」および「置換されていてもよいアルキニル」の置換基としては、ヒドロキシ、アルキルオキシ、ハロゲン、シアノ等が好ましい。

R^{20}における、「置換されていてもよいアルケニル」および「置換されていてもよいアルキニル」の置換基としては、ヒドロキシ、アルキルオキシ、ハロゲン、シアノ等が好ましい。

【００２６】

本明細書中、「置換されていてもよいシクロアルキル」における置換基としては、アルキルオキシカルボニル、置換基群Ｇから選択される置換基で置換されていてもよいアミノカルボニル、シアノ、置換基群Ｍ（置換基群Ｍ：シアノ、ヒドロキシ、カルボキシ、アミノカルボニル、アルキルオキシカルボニル、およびアルキルオキシ）から選択される置換基で置換されていてもよいアルキル、アルキルスルホニル、アルキルスルホニルアルキルカルボニル、シクロアルキル、ヒドロキシ、アルキルオキシ、メルカプト、アルキルチオ、ハロゲン、ニトロ、カルボキシ、ハロアルキル、ハロアルキルオキシ、アシル、アシルオキシ、アリール、アリールオキシ（例えば、フェニルオキシ）、アラルキル、アラルキルオキシ（例えば、ベンジルオキシ）、非芳香族含窒素複素環基、アルキルカルボニルアミノ、アミノカルボニルオキシ、アミノ、オキソ、グアニジノ、アゾ基、置換されていてもよいウレイド等が挙げられる。

置換基群Ｃにおける、「置換されていてもよいシクロアルキル」の置換基としては、置換基群Ｉで挙げられる置換基が好ましい。

本明細書中、「置換されていてもよいアルキルオキシ」、「置換されていてもよいアルケニルオキシ」、および「置換されていてもよいアルキニルオキシ」における置換基としては、シクロアルキル、アルケニル、ヒドロキシ、アルキルオキシ、メルカプト、アルキルチオ、ハロゲン、ニトロ、シアノ、カルボキシ、アルキルオキシカルボニル、ハロアルキル、ハロアルキルオキシ、置換されていてもよいアミノ、置換されていてもよいアミノカルボニル、アシル、アシルオキシ、置換されていてもよい非芳香族複素環基、アリールオキシ、アラルキルオキシ、アルキルスルホニル、グアニジノ、アゾ基、置換されていてもよいウレイド等が挙げられる。これらは、全ての可能な位置で１個以上置換しうる。好ましくは、ハロゲン等が挙げられる。

R^3およびR^4における、「置換されていてもよいアルキルオキシ」および「置換されていてもよいアルケニルオキシ」の置換基としては、アルキルオキシ、置換されていてもよいアミノ、置換基群Ｄから選択される置換基で置換されていてもよい非芳香族複素環基、シアノ等が好ましい。

R^5における、「置換されていてもよいアルキルオキシ」、「置換されていてもよいアルケニルオキシ」、および「置換されていてもよいアルキニルオキシ」の置換基としては、置換基群Ｅから選択される置換基が好ましい。

R^6およびR^7における、「置換されていてもよいアルキルオキシ」、「置換されていてもよいアルケニルオキシ」、および「置換されていてもよいアルキニルオキシ」の置換基としては、アルキルオキシ、シアノ、アルキルオキシカルボニル、置換されていてもよいアミノカルボニル等が好ましい。

【００２７】

本明細書中、「置換されていてもよい非芳香族複素環基」における置換基としては、アルキルオキシカルボニル、置換基群Ｇから選択される置換基で置換されていてもよいアミノカルボニル、シアノ、置換基群Ｍ（置換基群Ｍ：シアノ、ヒドロキシ、カルボキシ、アミノカルボニル、アルキルオキシカルボニル、およびアルキルオキシ）から選択される置換基で置換されていてもよいアルキル、アルキルスルホニル、アルキルスルホニルアルキルカルボニル、シクロアルキル、ヒドロキシ、アルキルオキシ、メルカプト、アルキルチオ、ハロゲン、ニトロ、カルボキシ、ハロアルキル、ハロアルキルオキシ、アシル、アシルオキシ、アリール、アリールオキシ（例えば、フェニルオキシ）、アラルキル、アラルキルオキシ（例えば、ベンジルオキシ）、非芳香族含窒素複素環基、アルキルカルボニルアミノ、アミノカルボニルオキシ、アミノ、オキソ、グアニジノ、アゾ基、置換されていてもよいウレイド等が挙げられる。

本明細書中、「置換されていてもよい非芳香族含窒素複素環基」における置換基としては、アルキルオキシカルボニル、置換基群Ｇから選択される置換基で置換されていてもよいアミノカルボニル、シアノ、置換基群Ｍ（置換基群Ｍ：シアノ、ヒドロキシ、カルボキシ、アミノカルボニル、アルキルオキシカルボニル、およびアルキルオキシ）から選択される置換基で置換されていてもよいアルキル、アルキルスルホニル、アルキルスルホニルアルキルカルボニル、シクロアルキル、ヒドロキシ、アルキルオキシ、メルカプト、アルキルチオ、ハロゲン、ニトロ、カルボキシ、ハロアルキル、ハロアルキルオキシ、アシル、アシルオキシ、アリール、アリールオキシ（例えば、フェニルオキシ）、アラルキル、アラルキルオキシ（例えば、ベンジルオキシ）、非芳香族含窒素複素環基、アルキルカルボニルアミノ、アミノカルボニルオキシ、置換されていてもよいアミノ、オキソ、グアニジノ、アゾ基、置換されていてもよいウレイド等が挙げられる。

R^1およびR^{17}における「置換されていてもよい非芳香族含窒素複素環基」の置換基としては、アルキル、アルキルオキシカルボニル、置換基群Ｇから選択される置換基で置換されていてもよいアミノカルボニル、シアノ、オキソ、アミノ、カルボキシル、ヒドロキシアルキル、シアノアルキル、アルキルオキシアルキル、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、アルキルスルホニルアルキルカルボニル、アルキルカルボニルアミノ、アルキルスルホニルアミノ、カルボキシアルキル、アルキルオキシカルボニルアルキル等が好ましい。特に、置換基群Ｂで挙げられる置換基が好ましい。

W^1における「置換されていてもよい非芳香族含窒素複素環基」の置換基としては、アルキル、アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、シアノ、ヒドロキシアルキル、シアノアルキル、アルキルオキシアルキル、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、アルキルスルホニルアルキルカルボニル等が好ましい。特に、置換基群Ｊで挙げられる置換基が好ましい。

置換基群Ａにおける「置換されていてもよい非芳香族含窒素複素環基」および「置換されていてもよい非芳香族含窒素複素環カルボニル」の置換基としては、置換基群Ｄから選択される置換基が好ましい。

【００２８】

本明細書中、「置換されていてもよいアリール」、「置換されていてもよいフェニル」、「置換されていてもよいヘテロアリール」、「置換されていてもよいピリジル」、「置換されていてもよいフリル」、「置換されていてもよいチエニル」、「置換されていてもよいチアゾリル」、「置換されていてもよいオキサゾリル」、「置換されていてもよい非芳香族複素環基」、「置換されていてもよい非芳香族複素環アルキル」、「置換されていてもよいシクロアルキル」、「置換されていてもよいアラルキル」、および「置換されていてもよいヘテロアリールアルキル」における置換基としては、置換されていてもよいア

ルキル（置換基としては、ハロゲン、ヒドロキシ、ニトロ、シアノ、カルボキシ、アルキルオキシ、アルキルオキシカルボニル、アシル等）、シクロアルキル、アルケニル、アルキニル、ヒドロキシ、アルキルオキシ、アラルキルオキシ、メルカプト、アルキルチオ、ハロゲン、ニトロ、シアノ、カルボキシ、アルキルオキシカルボニル、アリールオキシカルボニル、ハロアルキル、ハロアルキルオキシ、置換されていてもよいアミノ、置換されていてもよいアミノカルボニル、アシル、アシルオキシ、置換されていてもよいアリール（置換基としては、ハロゲン、ヒドロキシ、ニトロ、シアノ、カルボキシ、アルキルオキシ、アルキルオキシカルボニル、アシル等）、置換されていてもよいヘテロアリール（置換基としては、ハロゲン、ヒドロキシ、ニトロ、シアノ、カルボキシ、アルキルオキシ、アルキルオキシカルボニル、アシル等）、置換されていてもよい非芳香族複素環基（置換基としては、ハロゲン、ヒドロキシ、ニトロ、シアノ、カルボキシ、アルキルオキシ、アルキルオキシカルボニル、アシル等）、置換されていてもよいアラルキル（置換基としては、ハロゲン、ヒドロキシ、ニトロ、シアノ、カルボキシ、アルキルオキシ、アルキルオキシカルボニル、アシル等）、アルキルスルホニル、グアニジノ、アゾ基、－Ｎ＝Ｎ－（置換されていてもよいフェニル）、または置換されていてもよいウレイド等が挙げられる。これらは、全ての可能な位置で１個以上置換しうる。

R^1における「置換されていてもよいアリール」の置換基としては、置換基群Ｉで挙げられる置換基が好ましい。

R^2における「置換されていてもよいアリール」および「置換されていてもよいヘテロアリール」の置換基としては、ヒドロキシまたは置換されていてもよいアミノで置換されていてもよいアルキル、置換されていてもよいアミノ、ハロゲン等が好ましい。特に、ヒドロキシまたは置換されていてもよいアミノで置換されていてもよいアルキルが好ましい。

R^8における「置換されていてもよいアリール」、「置換されていてもよいヘテロアリール」、および「置換されていてもよい非芳香族複素環基」の置換基としては、アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、シアノ、ハロゲン、アルキル、アルキルオキシ、アルキルチオ、ハロアルキル等が好ましい。特に、置換基群Ｆで挙げられる置換基が好ましい。

R^{19}における「置換されていてもよいアリール」および「置換されていてもよいヘテロアリール」の置換基としては、アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、シアノ、シアノアルキル、ヒドロキシアルキル、およびアミノカルボニルアルキル等が好ましい。特に、置換基群Ｉで挙げられる置換基が好ましい。

W^1における「置換されていてもよいヘテロアリール」の置換基としては、アルキル、ヒドロキシ、アルキルオキシ等が好ましい。特に、置換基群Jで挙げられる置換基が好ましい。

置換基群Ｃにおける「置換されていてもよいアリール」、「置換されていてもよいヘテロアリール」、「置換されていてもよい非芳香族複素環基」、および「置換されていてもよい非芳香族複素環アルキル」の置換基としては、置換基群Ｉで挙げられる置換基が好ましい。

【００２９】

本明細書中、「抗癌剤」および「癌の治療剤」とは、脳腫瘍（例えば神経膠芽細胞種）、泌尿器癌（例えば膀胱癌、腎臓癌）、生殖器癌（例えば前立腺癌、卵巣癌、子宮癌）、リンパ系腫瘍、消化器癌（例えば胃癌、大腸癌）、咽喉癌、肺癌（例えば肺腺癌、小細胞肺癌、非小細胞肺癌）、膵臓癌、乳癌、頭頚部癌、食道癌、甲状腺癌の治療剤を包含する。特に、乳癌、脳腫瘍、膀胱癌、腎臓癌、前立腺癌、卵巣癌、子宮癌、肺癌、膵臓癌、大腸癌、および頭頚部癌の治療剤として好ましく使用される。

本発明は、癌を治療又は予防する必要がある哺乳動物において癌を治療又は予防する方法を包含し、当該方法は、前記哺乳動物に治療有効量の式（Ｉ）の化合物を投与することからなる。治療するのに好ましい癌は、脳腫瘍（例えば神経膠芽細胞種）、泌尿器癌（例えば膀胱癌、腎臓癌）、生殖器癌（例えば前立腺癌、卵巣癌、子宮癌）、リンパ系腫瘍、消

化器癌（例えば胃癌）、咽喉癌、肺癌（例えば肺腺癌、小細胞肺癌、非小細胞肺癌）、膵臓癌、乳癌、大腸癌、頭頚部癌、食道癌、甲状腺癌から選択される。より好ましくは、乳癌、脳腫瘍、膀胱癌、腎臓癌、前立腺癌、卵巣癌、子宮癌、肺癌、膵臓癌、大腸癌、および頭頚部癌である。

【発明の効果】

【００３０】

本発明化合物は、優れたＥＧＦ受容体およびＨＥＲ２の阻害作用を有し、安全性も高い（ＣＹＰ阻害作用が軽減された）ことから、医薬品、とりわけ癌の治療剤として有用である。

【発明を実施するための最良の形態】

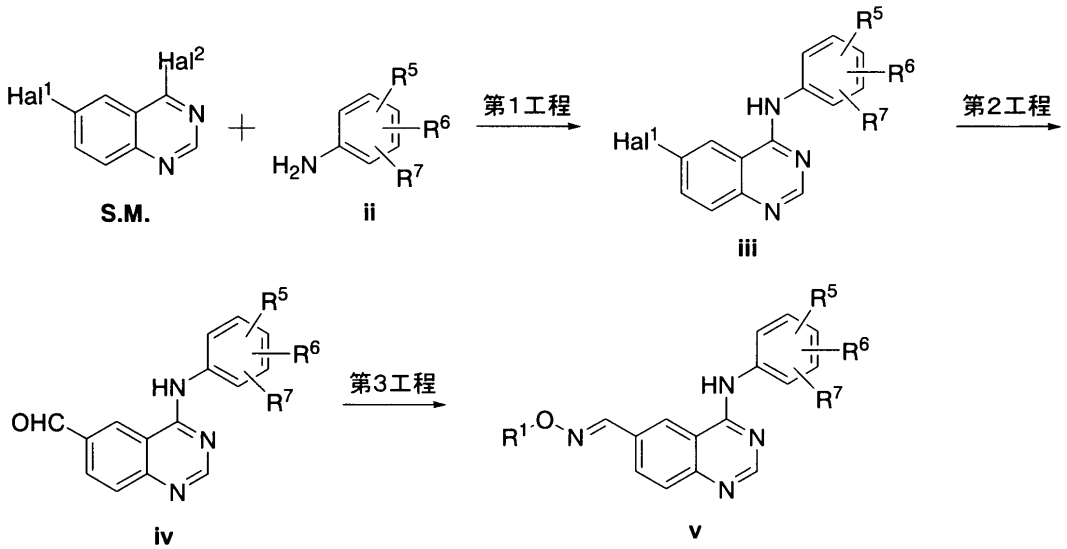
【００３１】

本発明化合物（Ｉ）は、以下に記載のＡ法～Ｅ法のいずれかにより合成することができる。また、キナゾリン誘導体の合成法が、ＷＯ９６／０９２９４号、ＷＯ９８／０２４３４等に記載されているので、これらに従って合成することもできる。化合物が各反応に影響を与える基を有する場合は、適切な保護基で保護し、適切な段階で脱保護することができる。また、各工程の原料、試薬、中間体、および反応生成物が塩を形成し得る場合は、その塩も包含する。

【００３２】

（Ａ法）

【化２５】



（式中、Ｈａｌ[1]およびＨａｌ[2]はそれぞれ独立してハロゲン；Ｒ[1]、Ｒ[5]、Ｒ[6]、およびＲ[7]は前記（１）と同意義）

（第１工程）

ＷＯ９６／０９２９４号等に記載の方法に従って合成できるまたは市販品として入手可能な出発原料（Ｓ．Ｍ．）とＷＯ９８／０２４３４等に記載の方法に従って合成できるまたは市販品として入手できる化合物（ｉｉ）を反応させることにより、化合物（ｉｉｉ）を合成する工程である。

出発原料（Ｓ．Ｍ．）と化合物（ｉｉ）を、テトラヒドロフラン、アセトニトリル等の溶媒中、20℃～加熱還流下、好ましくは60℃～加熱還流下で反応させることにより化合物（ｉｉｉ）を得ることができる。

（第２工程）

化合物（ｉｉｉ）をパラジウム触媒の存在下で一酸化炭素を挿入することにより、化合物（ｉｖ）を得る工程である。

化合物（ｉｉｉ）を、Ｎ，Ｎ－ジメチルホルムアミド、Ｎ，Ｎ－ジメチルアセタミド、Ｎ，Ｎ’－ジメチルイミダゾリジノン、ジメチルスルホキシド等の溶媒中、ギ酸ナトリウ

ム、水素化トリブチルスズ等の水素源、ジクロロビス（トリフェニルホスフィン）パラジウム、テトラキス（トリフェニルホスフィン）パラジウム、トリス（ジベンジリデンアセトン）ジパラジウム、[1,1'-ビス（ジフェニルホスフィノ）フェロセン]ジクロロパラジウム、酢酸パラジウム＋トリフェニルホスフィン等のパラジウム触媒、およびトリエチルアミン、ジ（イソプロピル）エチルアミン等の塩基の存在下、一酸化炭素雰囲気下で、50℃～150℃、好ましくは70℃～90℃で反応させることにより化合物（ｉｖ）を得ることができる。

（第３工程）

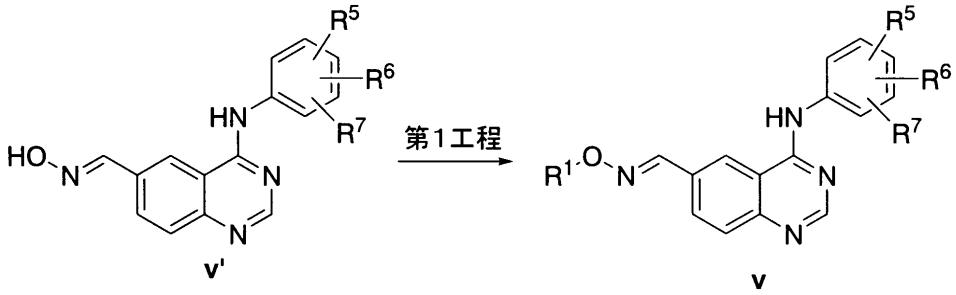
化合物（ｉｖ）と式：R^1-O-NH_2（式中、R^1は上記（１）と同意義）で表される化合物を反応させることにより、目的とする化合物（ｖ）を合成する工程である。

出発原料（ｉｖ）と式：R^1-O-NH_2（式中、R^1は上記（１）と同意義）で表される化合物またはその塩を、テトラヒドロフラン、ジオキサン、メタノール等の溶媒中、またはそれらと水の混合溶媒中、要すれば塩酸、硫酸、ｐ－トルエンスルホン酸、メタンスルホン酸、ギ酸、酢酸、トリフルオロ酢酸等の酸の存在下に、0℃～加熱還流下、好ましくは20℃～7 0℃下で反応させることにより化合物（ｖ）を得ることができる。

【００３３】

（Ｂ法）

【化２６】



（R^1、R^5、R^6、およびR^7は前記（１）と同意義）

（第１工程）

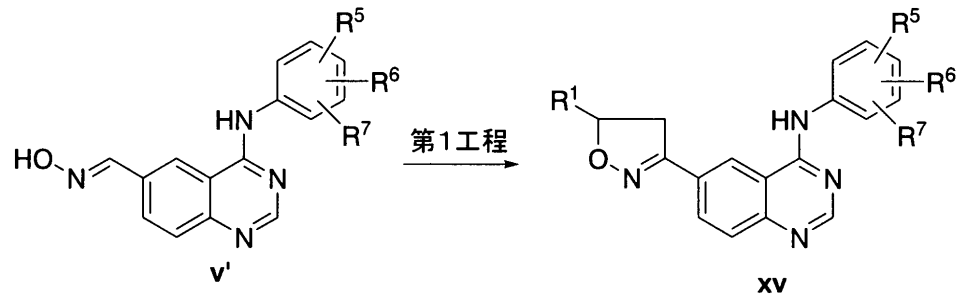
Ａ法で得られた化合物（ｉｖ）にヒドロキシルアミンを反応させて得られた化合物（ｖ’）と式：R^1-Hal^3（式中、Hal^3はハロゲン；R^1は前記（１）と同意義）で表される化合物を反応させることにより、目的とする化合物（ｖ）を合成する工程である。

化合物（ｖ’）と式：R^1-Hal^3（式中、Hal^3はハロゲン；R^1は前記（１）と同意義）で表される化合物をＮ，Ｎ－ジメチルアセトアミド、Ｎ，Ｎ－ジメチルアセタミド、Ｎ，Ｎ’－ジメチルイミダゾリジノン、ジメチルスルホキシド等の溶媒に溶解し、炭酸カリウム、炭酸ナトリウム等の塩基の存在下、50℃～150℃、好ましくは60℃～80℃で反応させることにより、化合物（ｖ）を得ることができる。

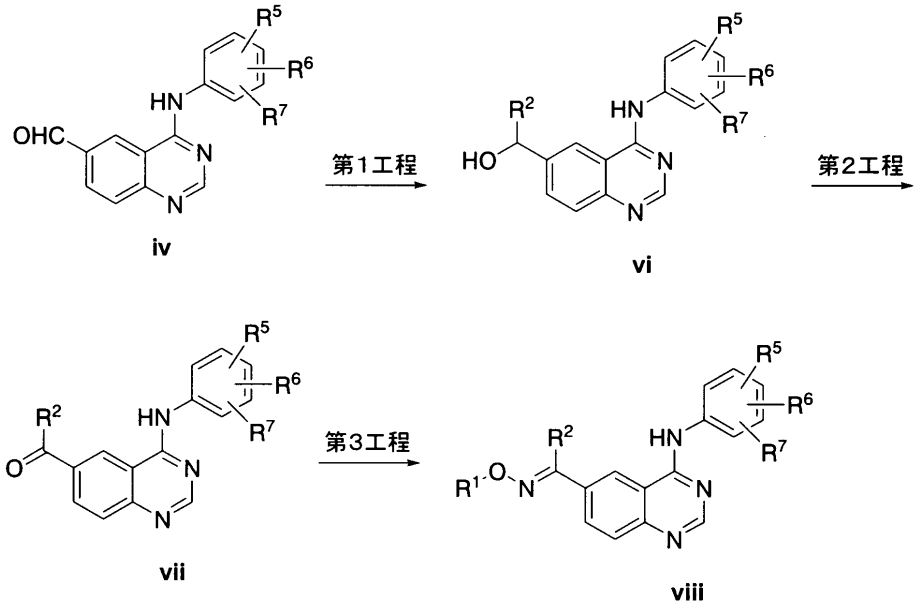
【００３４】

（Ｃ法）

【化２７】

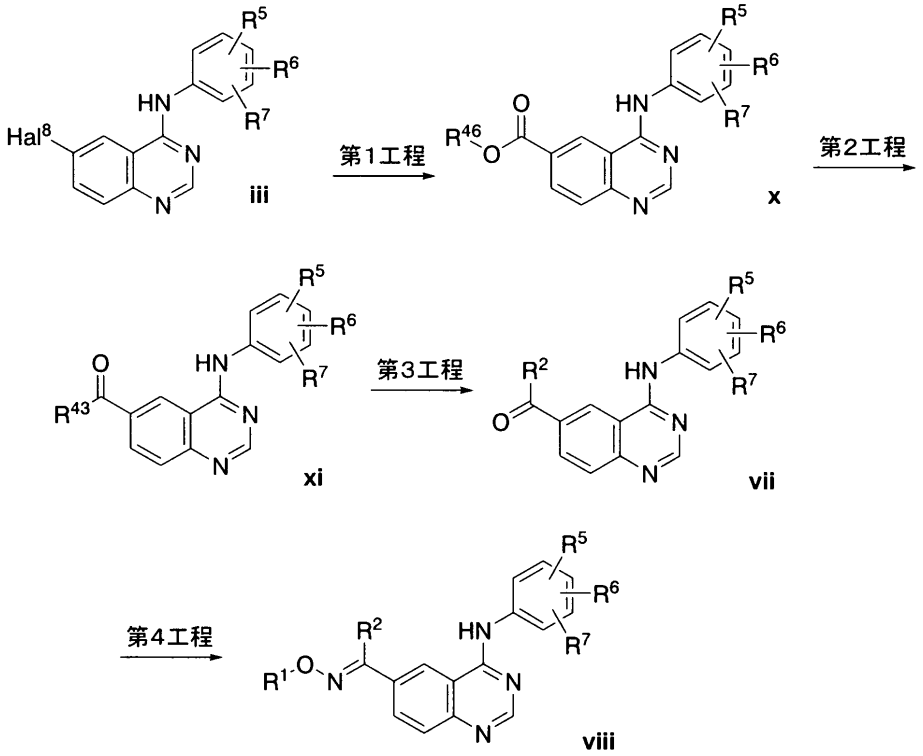


（Ｒ[1]、Ｒ[5]、Ｒ[6]、およびＲ[7]は前記（１）と同意義）
（第１工程）
Ａ法で得られた化合物（ｉｖ）にヒドロキシルアミンを反応させて得られた化合物（ｖ’）と式：Ｒ[1]－ＣＨ＝ＣＨ[2]（式中、Ｒ[1]は前記（１）と同意義）で表される化合物を反応させることにより、目的とする化合物（ｘｖ）を合成する工程である。
化合物（ｖ’）をクロロホルム、ジクロロメタン、1、2-ジクロロエタン等の溶媒に溶解し、ピリジン、4-ジメチルアミノピリジン等の触媒量の塩基存在下、Ｎ-クロロスクシンイミド，Ｎ-クロロフタルイミド等の塩素系酸化剤と20℃～100℃、好ましくは50℃～60℃で反応させた後、続けて、式：Ｒ[1]－ＣＨ＝ＣＨ[2]（式中、Ｒ[1]は前記（１）と同意義）で表される化合物、トリエチルアミン、ジ（イソプロピル）エチルアミン等の塩基を加えて，0℃～100℃、好ましくは10℃～30℃で反応させることにより、化合物（ｘｖ）を得ることができる。
【００３５】
（Ｄ法）
【化２８】



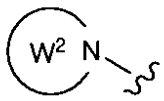
（Ｒ[1]、Ｒ[2]、Ｒ[5]、Ｒ[6]、およびＲ[7]は前記（１）と同意義）
（第１工程）
Ａ法で得られた化合物（ｉｖ）に式：Ｒ[2]ＭｇＨａｌ[4]またはＲ[2]Ｌｉ（式中Ｈａｌ[4]はハロゲン；Ｒ[2]は前記（１）と同意義）で表される試薬を反応させて、化合物（ｖｉ）を得る工程である。
化合物（ｉｖ）をテトラヒドロフラン、ジエチルエーテル、トルエン、ｎ－ヘキサン等の溶媒中、- 100℃～50℃、好ましくは-78℃～10℃で、式：Ｒ[2]ＭｇＨａｌ[4]またはＲ[2]Ｌｉ（式中Ｈａｌ[4]はハロゲン；Ｒ[2]は前記（１）と同意義）で表される試薬と反応させることにより、化合物（ｖｉ）を得ることができる。
（第２工程）
化合物（ｖｉ）を酸化して、化合物（ｖｉｉ）を合成する工程である。
化合物（ｖｉ）を実験化学講座２３巻、第４版（日本化学会編）等に記載の一般的な2級アルコールの酸化方法で酸化することにより、化合物（ｖｉｉ）を得ることができる。
（第３工程）
Ａ法の第３工程と同様の方法により、化合物（ｖｉｉ）から化合物（ｖｉｉｉ）を得ることができる。
【００３６】
（Ｅ法）

【化２９】



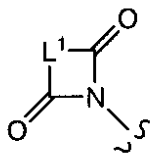
［Ｈａｌ^{8}はハロゲン；Ｒ^{43}は式：Ｒ^{44}（Ｒ^{45}Ｏ）Ｎ（式中Ｒ^{44}、Ｒ^{45}は互いに独立してＣ１～Ｃ３アルキル）で表される基または式：

【化３０】



（式中Ｗ^{2}は非芳香族含窒素複素環基）で表される基；Ｒ^{46}はＣ１～Ｃ３アルキルまたは式：

【化３１】

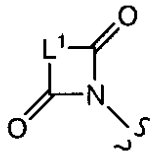


（式中Ｌ^{1}はＣ２～Ｃ３アルキレン）で表される基；
Ｒ^{1}、Ｒ^{2}、Ｒ^{5}、Ｒ^{6}、およびＲ^{7}は前記（１）と同意義］

（第１工程）

Ａ法で得られた化合物（ｉｉｉ）を、パラジウム触媒の存在下で一酸化炭素を挿入しながらアルコールまたは式：

【化３２】



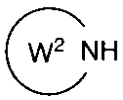
（式中Ｌ^{1}はＣ２～Ｃ３アルキレン）で表される試薬と反応させることにより、化合物（ｘ）を得る工程である。

化合物（ｉｉｉ）を、Ｎ，Ｎ－ジメチルホルムアミド、Ｎ，Ｎ－ジメチルアセタミド、Ｎ，Ｎ’－ジメチルイミダゾリジノン、ジメチルスルホキシド等の溶媒中、ジクロロビス（トリフェニルホスフィン）パラジウム、テトラキス（トリフェニルホスフィン）パラジウム、トリス（ジベンジリデンアセトン）ジパラジウム、[1,1'-ビス（ジフェニルホスフィノ）フェロセン]ジクロロパラジウム、酢酸パラジウム＋トリフェニルホスフィン、酢酸パラジウム＋1,3-ビスジフェニルホスフィノプロパン等のパラジウム触媒、およびトリエチルアミン、ジ（イソプロピル）エチルアミン等の塩基の存在下、メタノール、エタノール、ｎ－プロパノール、イソプロパノール等のアルコール、またはＮ－ヒドロキシコハク酸イミド等の試薬と一酸化炭素雰囲気下で、50℃～150℃、好ましくは70℃～90℃で反応させることにより化合物（ｘ）を得ることができる。

（第２工程）

化合物（ｘ）を式：Ｒ^{44}（Ｒ^{45}Ｏ）ＮＨ（式中Ｒ^{44}、Ｒ^{45}は互いに独立してＣ１～Ｃ３アルキル）で表される試薬または式：

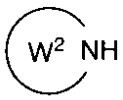
【化３３】



（式中Ｗ^{2}は非芳香族含窒素複素環基）で表される試薬と反応させることにより、化合物（ｘｉ）を得る工程である。

化合物（ｘ）と式：Ｒ^{44}（Ｒ^{45}Ｏ）ＮＨ（式中Ｒ^{44}、Ｒ^{45}は互いに独立してＣ１～Ｃ３アルキル）で表される試薬または式：

【化３４】



（式中Ｗ^{2}は非芳香族含窒素複素環基）で表される試薬をテトラヒドロフラン、Ｎ、Ｎ－ジメチルホルムアミド、クロロホルム、ジクロロメタン等の溶媒中で混合し、-100℃～50℃、好ましくは-78℃～20℃で塩化メチルマグネシウム、臭化メチルマグネシウム、塩化イソプロピルマグネシウム、メチルリチウム等の試薬を加え反応させることにより化合物（ｘｉ）を得ることができる。

（第３工程）

化合物（ｘｉ）に式：Ｒ^{2}Ｍ［式中ＭはＬｉ、Ｎａ、Ｋ、または式：ＭｇＨａｌ^{5}（式中Ｈａｌ^{5}はハロゲン）で表される基；Ｒ^{2}は前記（１）と同意義］で表される試薬を反応させて、化合物（ｖｉｉ）を得る工程である。

化合物（ｘｉ）をテトラヒドロフラン、ジエチルエーテル、トルエン、ｎ－ヘキサン等の

溶媒中、-100℃～50℃、好ましくは-78℃～2 0℃で、式：Ｒ^{2}Ｍ［式中ＭはＬｉ、Ｎａ、Ｋ、または式：ＭｇＨａｌ^{5}（式中Ｈａｌ^{5}はハロゲン）で表される基；Ｒ^{2}は前記（１）と同意義］で表される試薬と反応させることにより、化合物（ｖｉｉ）を得ることができる。

（第４工程）

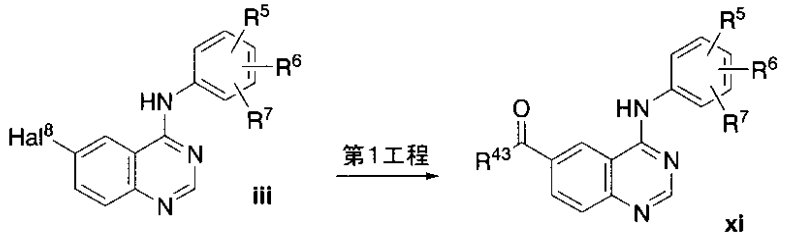
Ａ法の第３工程と同様の方法により、化合物（ｖｉｉ）から化合物（ｖｉｉｉ）を得ることができる。

【００３７】

Ｅ法の第１工程、第２工程の別の方法として、以下に示すＥ’法が挙げられる。

（Ｅ’法）

【化３５】



（Ｈａｌ^{8}およびＲ^{43}は前記と同意義；Ｒ^{5}、Ｒ^{6}、およびＲ^{7}は前記（１）と同意義）

（第１工程）

化合物（ｉｉｉ）を、パラジウム触媒の存在下で一酸化炭素を挿入しながらと式：Ｒ^{43}Ｈ（Ｒ^{43}は前記と同意義）で表される試薬と反応させることにより、化合物（ｘｉ）を得る工程である。

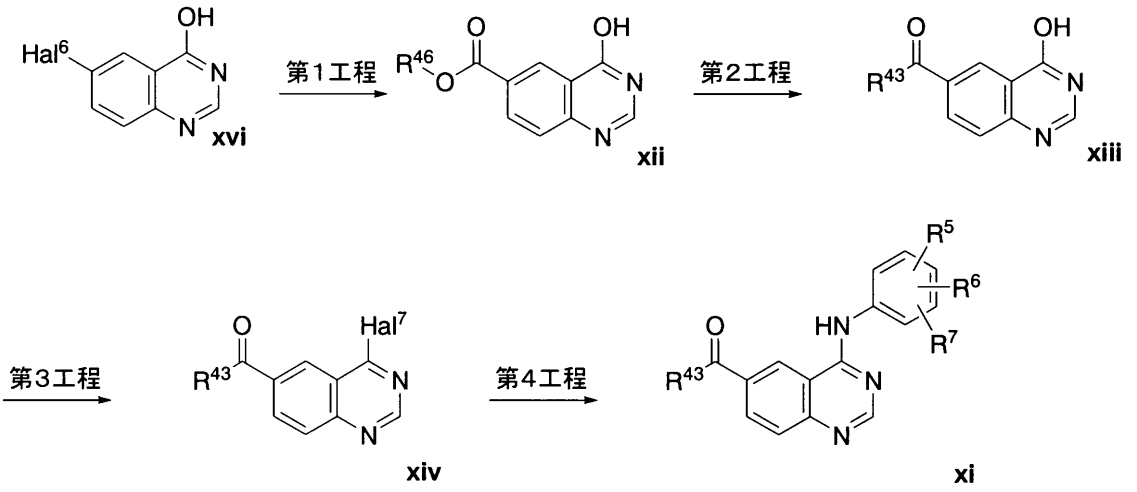
Ｅ法の第１工程と同様の方法でアルコール等の代わりにＲ^{43}Ｈ（Ｒ^{43}は前記と同意義）で表される試薬を反応させることにより、化合物（ｉｉｉ）から化合物（ｘｉ）を得ることができる。

【００３８】

Ｅ法のアミド誘導体（xi）を得る別の方法として以下に示すＥ’’法が挙げられる。

（Ｅ’’法）

【化３６】



（Ｈａｌ^{6}はハロゲン；Ｈａｌ^{7}はハロゲン；Ｒ^{43}およびＲ^{46}は前記と同意義；Ｒ^{5}、Ｒ^{6}、およびＲ^{7}は前記（１）と同意義）

（第１工程）

Ｅ法の第１工程と同様の方法により、化合物（ｘｖｉ）から化合物（ｘｉｉ）を得ること

ができる。

【００３９】

（第２工程）

Ｅ法の第２工程と同様の方法により、化合物（ｘｉｉ）から化合物（ｘｉｉｉ）を得ることができる。

【００４０】

（第３工程）

化合物（ｘｉｉｉ）の水酸基をハロゲンに変換して、化合物（ｘｉｖ）を得る工程である。

化合物（ｘｉｉｉ）をトルエン、テトラヒドロフラン等の溶媒中、トリエチルアミン、ジイソプロピルエチルアミン、ピリジン等の塩基の存在下に、オキシ塩化リン、オキシ臭化リン等のハロゲン化剤と0℃～20 0℃、好ましくは20℃～150℃で反応させることにより、化合物（ｘｉｖ）を得ることができる。

【００４１】

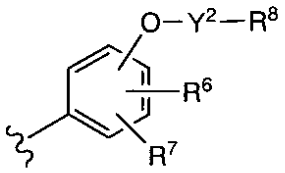
（第４工程）

Ａ法の第１工程と同様の方法により、化合物（ｘｉｖ）から化合物（ｘｉ）を得ることができる。

【００４２】

Ａが式：

【化３７】



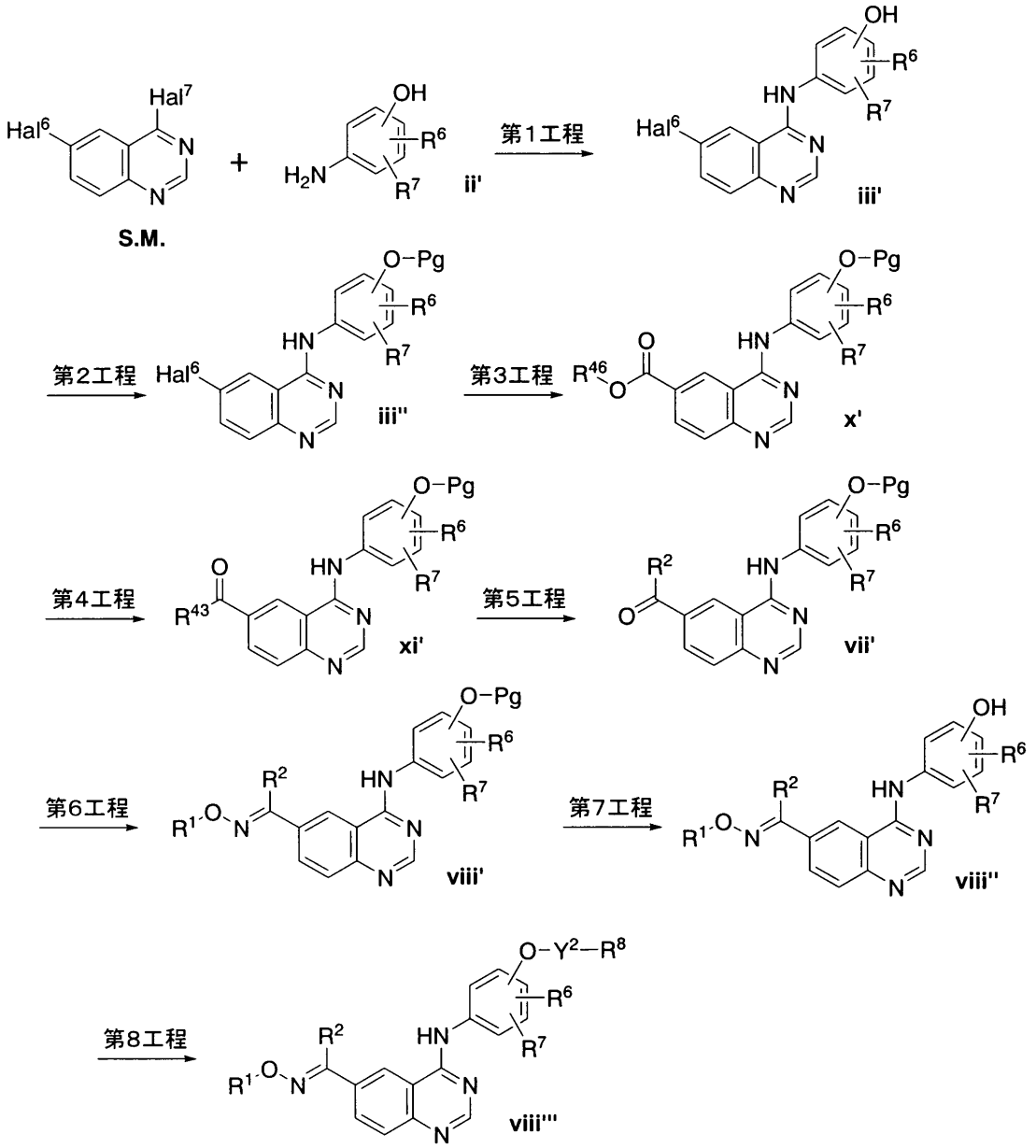
（式中Y^2は単結合またはC_1～C_3アルキレン；R^6、R^7、およびR^8は前記（１）と同意義）

で表される基である本発明化合物（Ｉ）は下記Ｆ法によっても合成することができる。

【００４３】

（Ｆ法）

【化３８】



（Ｈａｌ^{6}およびＨａｌ^{7}はハロゲン；Ｙ^{2}は単結合またはＣ１～Ｃ３アルキレン；Ｐｇは水酸基の適切な保護基；Ｒ^{1}、Ｒ^{2}、Ｒ^{6}、Ｒ^{7}、およびＲ^{8}は前記（１）と同意義；Ｒ^{43}およびＲ^{46}は前記と同意義）

（第１工程）

Ａ法の第１工程と同様の方法により、出発原料（Ｓ．Ｍ．）と化合物（ｉｉ’）から化合物（ｉｉｉ’）を得ることができる。

（第２工程）

化合物（ｉｉｉ’）の水酸基に保護基を結合させて、化合物（ｉｉｉ’’）を合成する工程である。

Protective Groups in Organic Synthesis, Theodora W Green (John Wiley & Sons) 等に記載の方法で、適切な保護基を結合させればよい。

（第３工程）

Ｅ法の第１工程と同様の方法により、化合物（ｉｉｉ’’）から化合物（ｘ’）を得ることができる。

（第４工程）

Ｅ法の第２工程と同様の方法により、化合物（ｘ’）から化合物（ｘｉ’）を得ることが

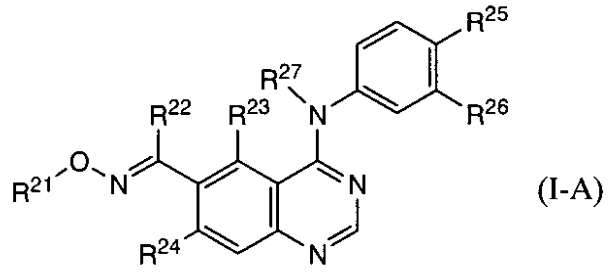
できる。
（第５工程）
Ｅ法の第３工程と同様の方法により、化合物（ｘｉ’）から化合物（ｖｉｉ’）を得ることができる。
（第６工程）
Ａ法の第３工程と同様の方法により、化合物（ｖｉｉ’）から化合物（ｖｉｉｉ’）を得ることができる。
（第７工程）
化合物（ｖｉｉｉ’）の保護基の脱保護を行い、化合物（ｖｉｉｉ’’）を合成する工程である。
Protective Groups in Organic Synthesis, Theodora W Green (John Wiley & Sons) 等に記載の方法で、適切な条件により脱保護を行えばよい。
（第８工程）
化合物（ｖｉｉｉ’’）に式：$R^8-Y^2-Hal^8$（式中Hal^8はハロゲン；Y^2は単結合またはC_1～C_3アルキレン；R^8は前記（１）と同意義）で表される試薬を反応させて、化合物（ｖｉｉｉ’’’）を得る工程である。
化合物（ｖｉｉｉ’’）をＮ、Ｎ－ジメチルホルムアミド、ジメチルスルホキシド、テトラヒドロフラン、ジエチルエーテル、トルエン、ｎ－ヘキサン等の溶媒中、炭酸セシウム、炭酸カリウム、炭酸ナトリウム、炭酸リチウム、炭酸水素カリウム、炭酸水素ナトリウム、水酸化カリウム、水酸化ナトリウム、トリエチルアミン、ピリジン等の塩基の存在下-２０℃～２００℃、好ましくは0℃～100℃で$R^8-Y^2-Hal^8$（式中Hal^8はハロゲン；Y^2は単結合またはC_1～C_3アルキレン；R^8は前記（１）と同意義）で表される試薬と反応させることにより、化合物（ｖｉｉｉ’’’）を得ることができる。
Ｆ法におけるY^2としてはC_1～C_3アルキレンが好ましい。特にメチレンが好ましい。
Ｆ法におけるR^8としてはハロゲンで置換されていてもよいフェニルまたはハロゲンで置換されていてもよいピリジルが好ましい。

【００４４】

Ａ法の第3工程で使用する式：R^1-O-NH_2（式中、R^1は上記（１）と同意義）で表されるアルコキシアミン試薬は、市販品として入手可能であるかJ. Med. Chem., 1999, 42 : 2007-2020、Liebigs Ann. Chem., 1988 : 1149-1153、Organic Letters, 2004, 6 : 4069-4072、Organic Letters, 2005, 7 : 937-939、WO０４／０５４５１４号等に記載の方法に従って合成できるアルコール体を出発原料としてWO０２／０６２１３号等に記載の方法に従って合成できる。

【００４５】

式（Ｉ）で表される化合物において、以下に示す式（Ｉ－Ａ）～式（Ｉ－Ｐ）で示す化合物が好ましい。
式（Ｉ－Ａ）：
【化３９】



(I-A)

［式中、R^{21}は、置換基群Ｃ（置換基群Ｃ：アルキル、アルケニル、アルキニル、置換されていてもよいアリール、アラルキル、アルキルオキシ、ヒドロキシアルキル、ヒドロキシアルキルオキシアルキル、ハロアルキル、１または2のアルキルで置換されていても

よいアミノアルキル、アルキルスルホニル、アルキルスルホニルアルキル、ハロゲンもしくはアルキルオキシで置換されていてもよいアルキルカルボニル、アルキルオキシカルボニル、置換されていてもよいシクロアルキル、カルボキシアルキル、置換されていてもよいアミノカルボニルアルキル、置換されていてもよいアミノカルボニルオキシアルキル、アルキルオキシアルキル、アルキルチオアルキル、アルキルカルボニルアミノアルキル、アルキルスルホニルアミノアルキル、アルキルスルホニル（アルキル）アミノアルキル、アルキルオキシカルボニルアルキル、アルキルチオ（ヒドロキシ）アルキル、シクロアルキルアルキル、シアノアルキル、置換されていてもよいアミノアルキルカルボニル、置換されていてもよいヘテロアリール、ヘテロアリールアルキル、ヒドロキシアルキルオキシアルキル、置換されていてもよい非芳香族複素環基、置換されていてもよい非芳香族複素環アルキル）から選択される置換基で置換されていてもよいアミノで置換されたアルキル、置換基群Ｄ（置換基群Ｄ：ハロゲン、アリール、ヒドロキシ、オキソ、置換されていてもよいアミノカルボニル、アルキルオキシカルボニル、置換基群Ｈ（置換基群Ｈ：置換されていてもよいアミノカルボニル、シアノ、アルキルオキシ、アルキルスルホニルアミノ、アミノ、カルボキシ、アルキルオキシカルボニル、およびヒドロキシ）から選択される置換基で置換されていてもよいアルキル、アルキルアミノカルボニル、カルボキシ、シアノ、アルキルスルホニル、アルキルカルボニル、アルケニルカルボニル、アルキルスルホニルアルキルカルボニル、アルキルオキシアルキルカルボニル、アルキルカルボニルアミノ、アミノカルボニルオキシ、非芳香族含窒素複素環基、および非芳香族複素環カルボニル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基（ここで非芳香族含窒素複素環基は、ピロリジニル、ピペリジル、ピペラジニル、モルホリニル、およびチオモルホリニルから選択される）で置換されたアルキル、または置換基群Ｂ（置換基群Ｂ：アルキルオキシカルボニル、置換されていてもよいアミノカルボニル、オキソ、アミノ、カルボキシ、シアノ、シアノアルキル、ヒドロキシアルキル、アルキルカルボニルアミノ、アルキルスルホニルアミノ、およびアミノカルボニルアルキル）から選択される置換基で置換されていてもよい非芳香族含窒素複素環基（ここで非芳香族含窒素複素環基は、アゼチジニル、ピロリジニル、およびピペリジルから選択される）；

R^{22}は、置換基群Ｋ（置換基群Ｋ：アルキルで置換されていてもよいアミノ、ヒドロキシ、アルキルオキシ、およびハロゲン）から選択される置換基で置換されていてもよいアルキル、置換基群Ｋから選択される置換基で置換されていてもよいアルケニル、置換基群Ｋから選択される置換基で置換されていてもよいアルキニル、ヒドロキシ、ハロゲン、フェニル、ピリジル、フリル、チエニル、またはチアゾリル；

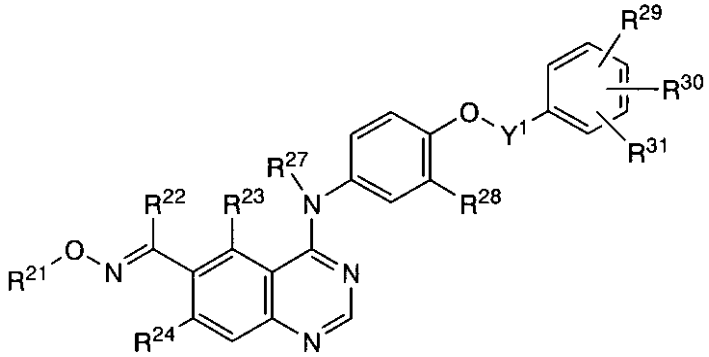
R^{23}およびR^{24}の一方が水素原子、他方が水素原子、アルキルオキシ、アルキルオキシアルキルオキシ、ハロゲン、またはアルキルで置換されていてもよいアミノアルキル；

R^{27}は、水素原子、アルキル、またはアシル；および

R^{25}およびR^{26}は、それぞれ独立して、水素原子、ハロゲン、アルキニル、ヒドロキシ、アルキルオキシ、アルケニルオキシ、アルキニルオキシ、またはヘテロアリールアルキルオキシ］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｂ）：

【化４０】

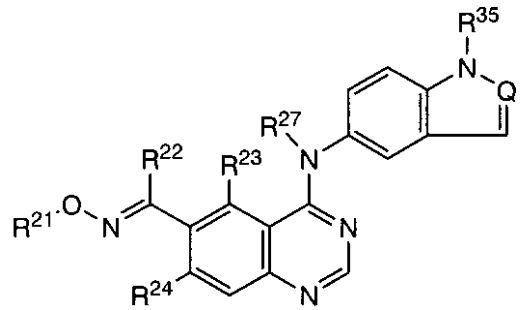


(I-B)

［式中、Ｒ２１、Ｒ２２、Ｒ２３、Ｒ２４およびＲ２７は前記と同意義；
Ｙ１は、Ｃ１～Ｃ３アルキレン；
Ｒ２８は、アルキル、アルキルオキシ、アルキニル、またはハロゲン；および
Ｒ２９、Ｒ３０、およびＲ３１は、それぞれ独立して、水素原子または置換基群Ｆ（置換基群Ｆ：ハロゲン、カルボキシ、アルキル、ハロアルキル、ヒドロキシアルキル、アルキルオキシ、アルキルオキシカルボニル、および置換されていてもよいアミノ）から選択される置換基］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｃ）：

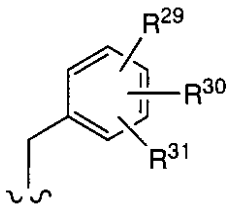
【化４１】



(I-C)

［式中、Ｒ２１、Ｒ２２、Ｒ２３、Ｒ２４、およびＲ２７は前記と同意義；
Ｒ３５は、置換基群Ｌ（置換基群Ｌ：ヒドロキシ、アルキルオキシ、ハロゲン、およびシアノ）から選択される置換基で置換されていてもよいアルキル、置換基群Ｌから選択される置換基で置換されていてもよいアルケニル、置換基群Ｌから選択される置換基で置換されていてもよいアルキニル、または式：

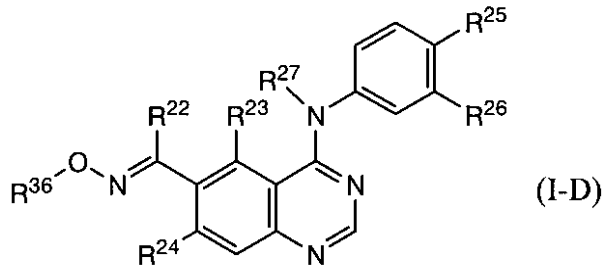
【化４２】



（式中、Ｒ２９、Ｒ３０、およびＲ３１は前記と同意義）で表される基；
ＱはＮまたはＣＨ２］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｄ）：

【化４３】

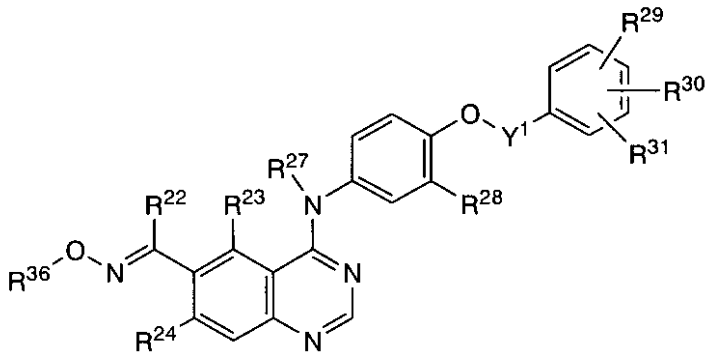


(I-D)

［式中、Ｒ２１、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２５、Ｒ２６、およびＲ２７は前記と同意義；および
Ｒ３６は、置換基群Ｃから選択される置換基で置換されていてもよいアミノカルボニルで置換されたアルキル、または置換基群Ｄから選択される置換基で置換されていてもよい非芳香族複素環カルボニル（ここで非芳香族含窒素複素環は、ピロリジニル、ピペリジル、ピペラジニル、モルホリニル、およびチオモルホリニルから選択される）で置換されたアルキル］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｅ）：

【化４４】

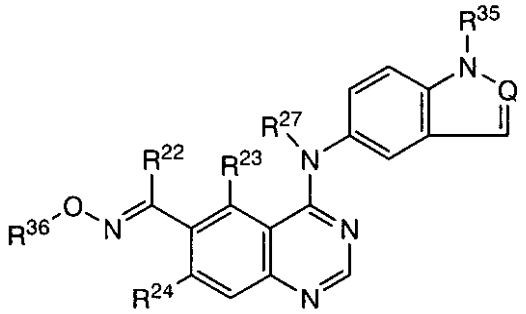


(I-E)

［式中、Ｒ２１、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ２８、Ｒ２９、Ｒ３０、Ｒ３１、Ｒ３６、およびＹ１は前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｆ）：

【化４５】

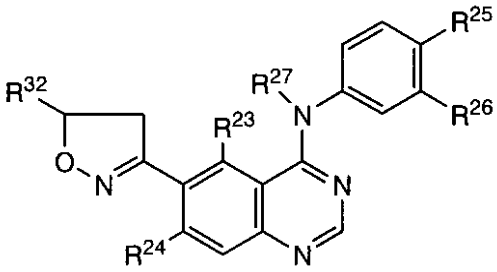


(I-F)

［式中、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ３６、およびＱは前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｇ）：

【化４６】

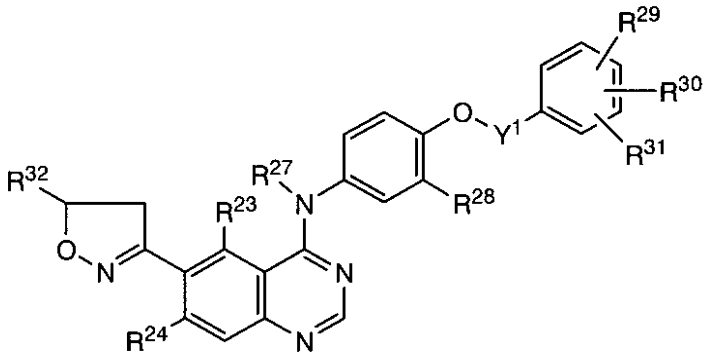


(I-G)

［式中、Ｒ２３、Ｒ２４、Ｒ２５、Ｒ２６、およびＲ２７は前記と同意義；
Ｒ３２は、置換基群Ｃから選択される置換基で置換されていてもよいアミノで置換されたアルキル、置換基群Ｄから選択される置換基で置換されていてもよい非芳香族含窒素複素環基（ここで非芳香族含窒素複素環基は、ピロリジニル、ピペリジル、ピペラジニル、モルホリニル、およびチオモルホリニルから選択される）で置換されたアルキル、または置換基群Ｂから選択される置換基で置換されていてもよい非芳香族含窒素複素環基（ここで非芳香族含窒素複素環基は、アゼチジニル、ピロリジニル、およびピペリジルから選択される）］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｈ）：

【化４７】

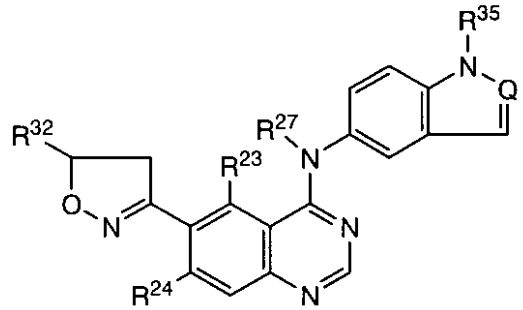


(I-H)

［式中、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ２８、Ｒ２９、Ｒ３０、Ｒ３１、Ｒ３２、およびＹ１は、前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｉ）：

【化４８】

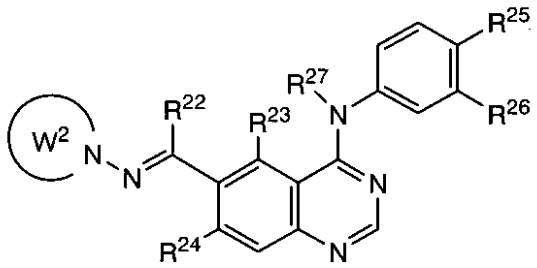


(I-I)

［式中、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ３２、Ｒ３５、およびＱは前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｊ）：

【化４９】

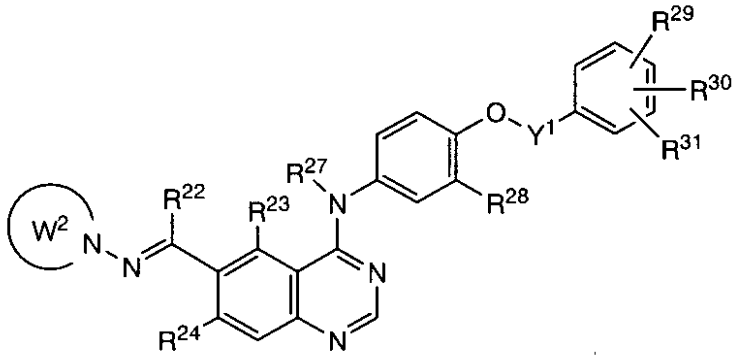


(I-J)

［式中、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２５、Ｒ２６、およびＲ２７は前記と同意義；Ｗ２は、置換基群Ｊから選択される置換基で置換されていてもよいピロリジニル、置換基群Ｊから選択される置換基で置換されていてもよいピペリジル、置換基群Ｊから選択される置換基で置換されていてもよいピペラジニル、置換基群Ｊから選択される置換基で置換されていてもよいモルホリニル、または置換基群Ｊから選択される置換基で置換されていてもよいトリアゾリル］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｋ）：

【化５０】

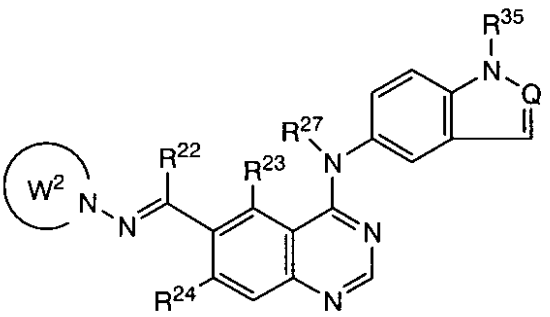


(I-K)

［式中、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ２８、Ｒ２９、Ｒ３０、Ｒ３１、Ｙ１、およびＷ２は、前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｌ）：

【化５１】

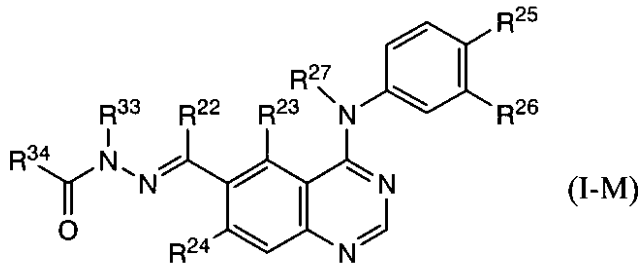


(I-L)

［式中、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ３５、Ｗ２、およびＱは前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｍ）：

【化５２】

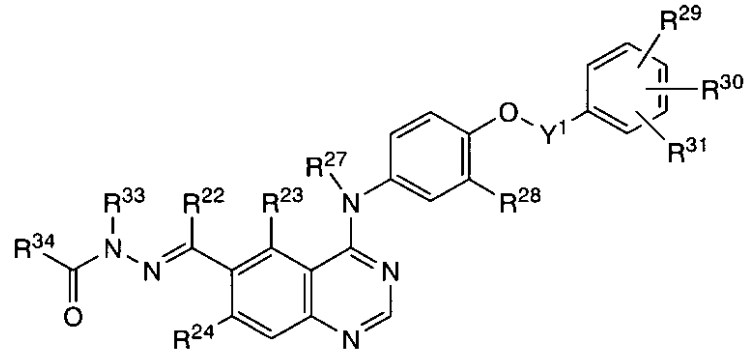


(I-M)

［式中、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２５、Ｒ２６、およびＲ２７は前記と同意義；
Ｒ３３は、水素原子、置換基群Ｌから選択される置換基で置換されていてもよいＣ１－Ｃ６アルキル、置換基群Ｌから選択される置換基で置換されていてもよいＣ２－Ｃ６置換されていてもよいアルケニル、または置換基群Ｌから選択される置換基で置換されていてもよいＣ２－Ｃ６置換されていてもよいアルキニル；および
Ｒ３４は、置換基群Ｃから選択される置換基で置換されていてもよいアミノで置換されたアルキル、または置換基群Ｄから選択される置換基で置換されていてもよい非芳香族含窒素複素環基で置換されたアルキル、置換基群Ｆから選択される置換基で置換されていてもよいアリール、置換基群Ｆから選択される置換基で置換されていてもよいヘテロアリール、または置換基群Ｆから選択される置換基で置換されていてもよい非芳香族複素環基］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｎ）：

【化５３】

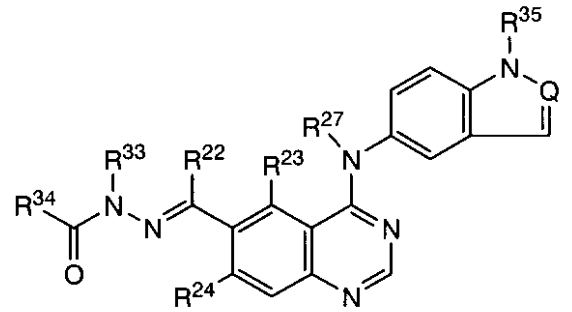


(I-N)

［式中、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ２８、Ｒ２９、Ｒ３０、Ｒ３１、Ｒ３３、Ｒ３４、およびＹ１は前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｏ）：

【化５４】

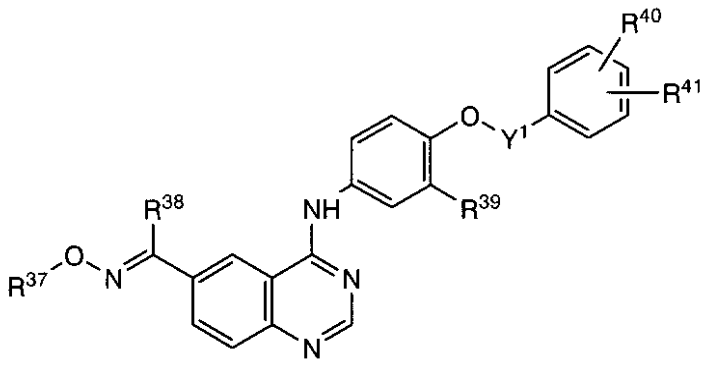


(I-O)

［式中、Ｒ２２、Ｒ２３、Ｒ２４、Ｒ２７、Ｒ３４、Ｒ３５、およびＱは前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｐ）：

【化５５】

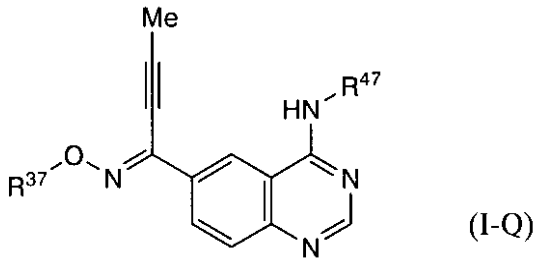


(I-P)

［式中、Ｒ３７は、アルキル、ヒドロキシアルキル、アルキルカルボニルアミノアルキル、もしくは非芳香族複素環で置換されていてもよいアミノで置換されたアルキル、アルキル、ヒドロキシアルキル、もしくはアルキルカルボニルアミノで置換されていてもよい非芳香族含窒素複素環基で置換されたアルキル、またはヒドロキシアルキルで置換された非芳香族含窒素複素環基；
Ｒ３８はＣ２～Ｃ４アルキニル；
Ｒ３９はハロゲン；
Ｒ４０は、式：－Ｙ３－Ｒ４２（式中、Ｙ３は、－Ｏ－を介在してもよいアルキレン；Ｒ４２は、ハロゲンで置換されていてもよいフェニルまたはハロゲンで置換されていてもよいピリジル）で表される基；
Ｒ４１はハロゲン；
Ｙ１は、前記と同意義］で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。

式（Ｉ－Ｑ）：

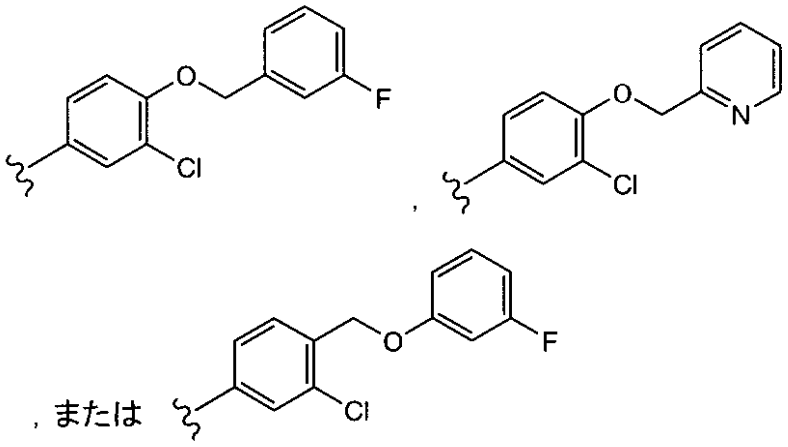
【化５６】



(I-Q)

（式中、Ｒ４７は式：

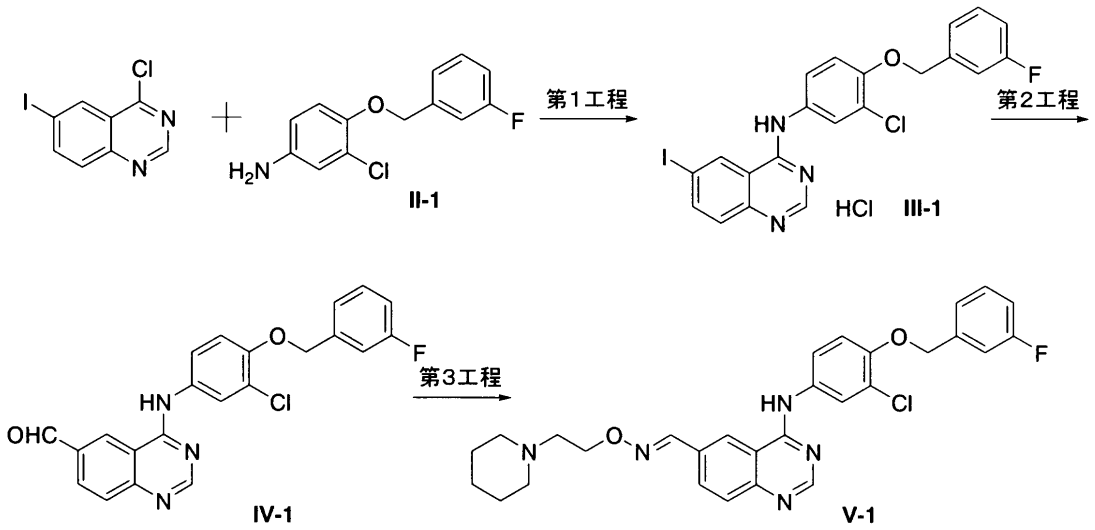
【化５７】



，または

で表される基；R^{37}は前記と同意義）で表される化合物もしくはその製薬上許容される塩またはそれらの溶媒和物。
式（Ｉ－Ａ）～式（Ｉ－Ｆ）および式（Ｉ－Ｊ）～式（Ｉ－Ｏ）で示される化合物におけるR^{22}としては、メチル、エチル、ｎ－プロピル、イソプロピル、プロピニル、ブチニルまたはフェニルが好ましい。
【００４６】
本明細書中、「溶媒和物」とは、例えば有機溶媒との溶媒和物、水和物等を包含する。水和物を形成する時は、任意の数の水分子を配位していてもよい。
「本発明化合物」という場合には、製薬上許容される塩、またはその水和物も包含される。例えば、アルカリ金属（リチウム、ナトリウム、カリウム等）、アルカリ土類金属（マグネシウム、カルシウム等）、アンモニウム、有機塩基およびアミノ酸との塩、または無機酸（塩酸、臭化水素酸、リン酸、硫酸等）、および有機酸（酢酸、クエン酸、マレイン酸、フマル酸、ベンゼンスルホン酸、ｐ－トルエンスルホン酸等）との塩が挙げられる。これらの塩は、通常行われる方法によって形成させることができる。
また、本発明化合物は特定の異性体に限定するものではなく、全ての可能な異性体やラセミ体を含むものである。
本発明化合物は後述する実験例の記載の通り、優れた細胞増殖阻害作用を示し、「抗癌剤」および「癌の治療剤」として使用しうる。
本発明化合物を、上記の疾患の治療を目的としてヒトに投与する場合は、散剤、顆粒剤、錠剤、カプセル剤、丸剤、液剤等として経口的に、または注射剤、坐剤、経皮吸収剤、吸入剤等として非経口的に投与することができる。また、本化合物の有効量にその剤型に適した賦形剤、結合剤、湿潤剤、崩壊剤、滑沢剤等の医薬用添加剤を必要に応じて混合し、医薬製剤とすることができる。注射剤の場合には、適当な担体と共に滅菌処理を行って製剤とする。
投与量は疾患の状態、投与ルート、患者の年齢、または体重によっても異なるが、成人に経口で投与する場合、通常０．１～１００㎎／kg／日であり、好ましくは１～２０㎎／kg／日である。
【００４７】
以下に実施例および試験例を挙げて本発明をさらに詳しく説明するが、本発明はこれらにより限定されるものではない。
実施例中、以下の略号を使用する。
Ｍｅ：メチル
Ｅｔ：エチル
ｎＰｒ：ｎ－プロピル
ｉＰｒ：イソプロピル
Ｐｈ：フェニル
【実施例】
【００４８】
実施例１

【化５８】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ヨードキナゾリン(III-1)塩酸塩の合成

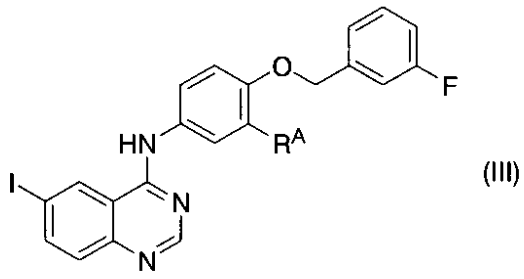
4-クロロ-6-ヨードキナゾリン(6.0g)と3-クロロ-4-(3-フルオロベンジルオキシ)アニリン(II-1, 5.2g)をテトラヒドロフラン180mlに溶解し、3時間加熱還流した。析出物を濾取し、テトラヒドロフランで洗浄することにより、4-(4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ヨードキナゾリン塩酸塩(III-1, 10.5g)を黄色固体として得た。

^{1}H NMR(d_6-DMSO　δ): 11.47(1H, brs), 9.25(1H, s), 8.94(1H, s), 8.36(1H, dd, J=1.8Hz, J=8.7Hz), 7.92(1H, d, J=2.7Hz), 7.71(1H, d, J=8.7Hz), 7.66(1H, dd, J=2.7Hz, J=8.7Hz),
7.48(1H, dt, J=6.0Hz, J=7.8Hz), 7.37-7.30(3H, m), 7.19(1H, dt, J=2.7Hz, J=8.7Hz), 5.30(2H, s).

【００４９】

上記第１工程と同様の方法で下記の化合物を合成した。

【化５９】



(III)

【表１】

化合物 No.	R^A	^{1}H-NMR(d_6-DMSO)
III-2	-F	9.86(1H, s), 8.95(1H, d, J=1.5Hz), 8.61(1H, s), 8.11(1H, dd, J=1.8Hz, J=8.7Hz), 7.89(1H, J=2.4Hz, J=13.5Hz), 7.60-7.49(2H, m), 7.45(1H, dd, J=6.3Hz, J=8.1Hz), 7.36-7.23(3H, m), 7.19(1H, dt, J=8.4Hz, J=2.1Hz), 5.22(2H, s).
III-3	-OMe	11.26(1H, brs), 9.18(1H, s), 8.89(1H, s), 8.34(1H, dd, J=1.5Hz, J=8.7Hz), 7.66(1H, d, J=8.7Hz), 7.46(1H, dt, J=6.3Hz, J=8.1Hz), 7.39(1H, d, J=2.1Hz), 7.34-7.25(3H, m), 7.22-7.13(1H, m), 7.13(1H, d, J=8.7Hz), 5.17(2H, s), 3.82(3H, s).

【００５０】

（第２工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ホルミルキナゾリン(IV-1)の合成

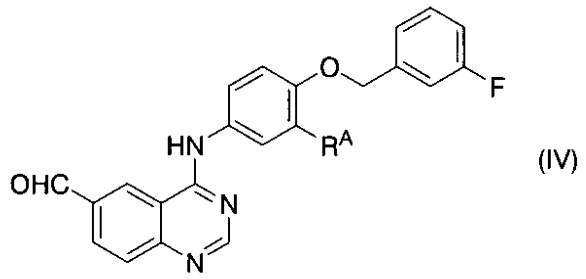
4-(4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ヨードキナゾリン塩酸塩(III-1, 5.0g)をジメチルホルムアミド100mlに溶かし、ギ酸ナトリウム1.2 5g、ジクロロビス(トリフェニルホスフィン)パラジウム(324mg)、トリエチルアミン(3.2ml)を加えた。反応液を脱気した後、一酸化炭素雰囲気下、80度で3時間加熱攪拌した。その後、反応液を氷水中に注ぎ、酢酸エチルで抽出した。抽出液を水及び食塩水で洗浄後、硫酸マグネシウムで乾燥した。乾燥した溶液をセライト濾過、濃縮後、酢酸エチル-ヘキサン混液(1：2)で粉末化し、4-(4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ホルミルキナゾリン(IV-1, 2.86g)を黄色固体として得た。

^{1}H NMR(d_6-DMSO　δ): 10.24(1H, s), 10.13(1H, s), 9.16(1H, s), 8.69(1H, s), 8.27(1H, br d, J=8.7Hz), 8.03(1H, d, J=2.1Hz), 7.90(1H, d, J=9.0Hz), 7.74(1H, dd, J=2.7Hz, J=8.7Hz), 7.48(1H, dt, J=6.0Hz, J=8.4Hz), 7.36-7.30(2H, m), 7.30(1H, d, J=8.7Hz), 7.19(1H, br t, J=8.7Hz), 5.27(2H, s).

【００５１】

上記第２工程と同様の方法で下記の化合物を合成した。

【化６０】



(IV)

【表２】

化合物 No.	R^A	^{1}H-NMR(d_6-DMSO)
IV-2	-F	10.24(1H, s), 10.14(1H, s), 9.16(1H, s), 8.69(1H, s), 8.26(1H, dd, J=1.5Hz, J=8.7Hz), 7.94-7.85(2H, m), 7.55(1H, br d, J=9.0Hz), 7.47(1H, dt, J=6.3Hz, J=8.1Hz), 7.36-7.26(3H, m), 7.23-7.15(1H, m), 5.23(2H, s).
IV-3	-OMe	10.13(2H, s), 9.18(1H, s), 8.64(1H, s), 8.25(1H, dd, J=1.5Hz, J=8.7Hz), 7.88(1H, d, J=8.4Hz), 7.52-7.38(3H, m), 7.34-7.26(2H, m), 7.22-7.12(1H, m), 7.07(1H, d, J=8.7Hz), 5.14(2H, s), 3.83(3H, s).

【００５２】

（第３工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(1-ピペリジル)エトキシイミノ)キナゾリン(V-1)の合成

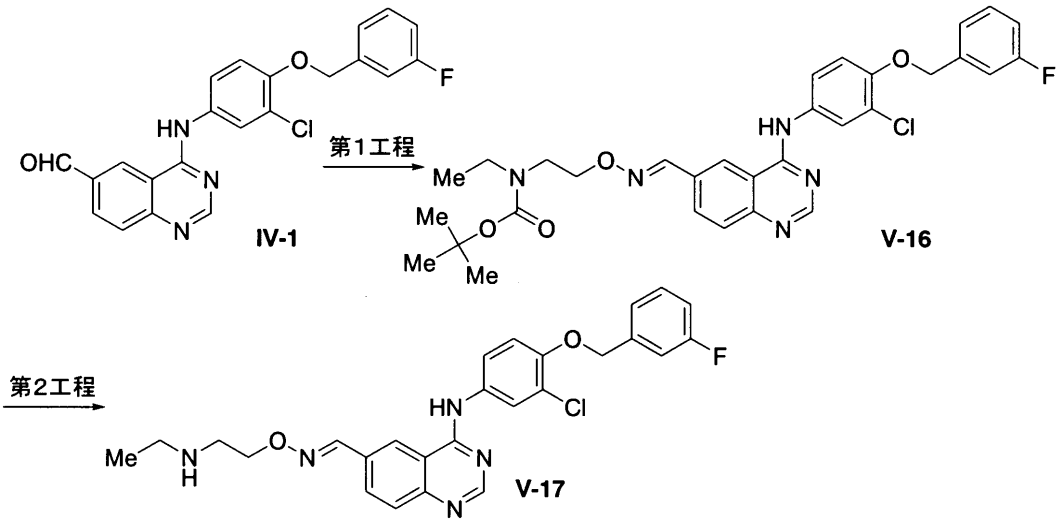
4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ホルミルキナゾリン(IV-1, 50mg)と2-(1-ピペリジル)エトキシアミン２塩酸塩(36.5mg)をテトラヒドロフラン(2ml)と水(0.1ml)の混液に溶かし、室温で終夜反応した。反応液を酢酸エチルで薄め、飽和炭酸水素ナトリウム水溶液、食塩水で順に洗浄後、硫酸マグネシウム上で乾燥した。濃縮後、アミノカラムを用いたクロマトグラフィー（ヘキサン：酢酸エチル=２：３で溶出）により精製、さらに薄層クロマトグラフィーにより再精製し、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(1-ピペリジル)エトキシイミノ)キナゾリン(V-1, 13mg)を得た。

^{1}H NMR(d_6-DMSO, δ): 9.95(1H, s), 8.63(1H, s), 8.59(1H, s), 8.34(1H, s), 8.10(1H, d, J=9.3Hz), 8.00(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0Hz, J=2.1Hz), 7.51-7.44(1H, m), 7.36-7.31(2H, m), 7.28(1H, d, J=9.0Hz), 7.19(1H, br t, J=9.0Hz), 5.26(2H, s), 4.28(2H, t, J=6.0 Hz), 2.63(2H, t, J=6.0Hz), 2.41(4H, t, J=4.8Hz), 1.50(4H, quin, J=5.3Hz), 1.45-1.35(2H, m).

【００５３】

実施例２

【化６１】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(N-(t-ブトキシカルボニル)N-エチルアミノ)エチルオキシイミノ)キナゾリン(V-16)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ホルミルキナゾリン(IV-1, 120mg)とN-(t-ブトキシカルボニル)エチルアミノエトキシアミン(110mg)をテトラヒ

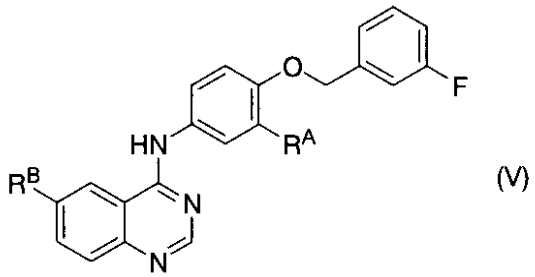
ドロフラン(1.5ml)に溶かし、2mol/L塩酸134μlを加えて、室温で4時間反応した。反応終了後、氷冷した飽和炭酸水素ナトリウム水溶液中に注ぎ、酢酸エチルで抽出した。有機層を水及び食塩水で洗浄後、硫酸マグネシウム上で乾燥、濃縮した。得られた残渣をアミノカラムクロマトグラフィー（ヘキサン：酢酸エチル=１：１で溶出）により精製、さらにシリカゲルクロマトグラフィー（ヘキサン：酢酸エチル=１：１で溶出）により再精製し、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(N-(t-ブトキシカルボニル)-N-エチルアミノ)エチルオキシイミノ)キナゾリン(V-16, 96mg)を黄色粘性油状物質として得た。

^{1}H NMR(d_6-DMSO, δ): 9.93(1H, s), 8.63(1H, brs), 8.60(1H, s), 8.34(1H, s), 8.12(1H, dd, J=1.2Hz, J=9.0Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.4Hz), 7.72(1H, dd, J=2.4Hz, J=8.4Hz), 7.48(1H, dt, J=6.0Hz, J=8.1Hz), 7.36-7.30(2H, m), 7.28(1H, d, J=9.0Hz), 7.23-7.14(1H, m), 5.26(2H, s), 4.26(2H, t, J=5.7Hz), 3.50(2H, t, J=6.3Hz), 3.23(2H, q, J=6.9Hz), 1.38(9H, s), 1.12-1.00(3H, m).

【００５４】

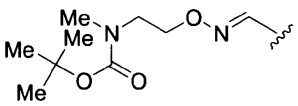
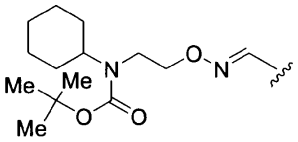
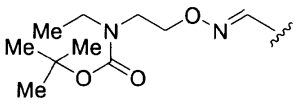
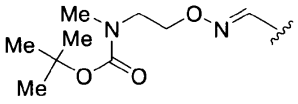
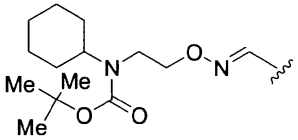
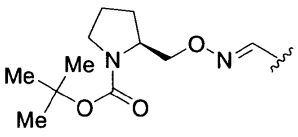
上記第１工程と同様の方法で下記の化合物を合成した。

【化６２】



(V)

【表３】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-18	Cl		9.92(1H, s), 8.62(1H, s), 8.60(1H, s), 8.34(1H, s), 8.12(1H, d, J=8.4Hz), 8.00(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=2.4Hz, J=8.7Hz), 7.47(1H, dt, J=6.0Hz, J=7.8Hz), 7.36-7.30(2H, m), 7.28(1H, d, J=9.0Hz), 7.23-7.14(1H, m), 5.26(2H, s), 4.28(2H, t, J=5.7Hz), 3.57-3.48(2H, m), 2.84(3H, brs), 1.36(9H, s).
V-19	Cl		9.92(1H, s), 8.63(1H, s), 8.60(1H, s), 8.33(1H, s), 8.12(1H, dd, J=1.5Hz, J=9.0Hz), 8.01(1H, d, J=2.4Hz), 7.80(1H, d, J=8.7Hz), 7.72(1H, dd, J=2.7Hz, J=9.0Hz), 7.47(1H, dt, J=6.0Hz, J=7.8Hz), 7.36-7.30(2H, m), 7.28(1H, d, J=9.0Hz), 7.22-7.14(1H, m), 5.26(2H, s), 4.21(2H, t, J=6.0Hz), 3.8-3.5(1H, brs), 3.48-3.37(2H, m), 1.8-1.4(6H, m), 1.35-1.0(4H, m).
V-20	OMe		9.83(1H, s), 8.64(1H, s), 8.57(1H, s), 8.34(1H, s), 8.12(1H, dd, J=1.5Hz, J=8.7Hz), 7.78(1H, d, J=8.7Hz), 7.50-7.36(3H, m), 7.34-7.26(2H, m), 7.21-7.13(1H, m), 7.06(1H, d, J=8.7Hz), 5.13(2H, s), 4.26(2H, t, J=5.7Hz), 3.82(3H, s), 3.50(2H, t, J=5.7Hz), 3.23(2H, q, J=7.2Hz), 1.38(9H, s), 1.12-1.02(3H, m).
V-21	OMe		9.84(1H, s), 8.63(1H, s), 8.56(1H, s), 8.36(1H, s), 8.12(1H, dd, J=1.5Hz, J=8.7Hz), 7.77(1H, d, J=8.7Hz), 7.50-7.35(3H, m), 7.33-7.25(2H, m), 7.20-7.12(1H, m), 7.05(1H, d, J=8.7Hz), 5.13(2H, s), 4.27(2H, t, J=5.7Hz), 3.82(3H, s), 3.55-3.47(2H, m), 2.84(3H, brs), 1.36(9H, s).
V-22	OMe		9.82(1H, s), 8.64(1H, s), 8.56(1H, s), 8.33(1H, s), 8.11(1H, dd, J=1.5Hz, J=8.7Hz), 7.78(1H, d, J=8.7Hz), 7.50-7.36(3H, m), 7.33-7.26(2H, m), 7.21-7.12(1H, m), 7.05(1H, d, J=8.7Hz), 5.13(2H, s), 4.21(2H, t, J=6.6Hz), 3.82(3H, s), 3.8-3.5(1H, m), 3.47-3.35(2H, m), 1.8-1.35(6H, m), 1.41(9H, s), 1.35-0.95(4H, m).
V-28	Cl		9.91(1H, s), 8.62(1H, brs), 8.60(1H, s), 8.36(1H, s), 8.10(1H, dd, J=8.7Hz), 8.01(1H, brs), 7.79(1H, d, J=8.4Hz), 7.73(1H, d, J=8.1Hz), 7.52-7.44(1H, m), 7.35-7.27(3H, m), 7.19(1H, dt, J=8.1Hz, J=2.4Hz), 5.26(2H, s), 4.28(1H, brs), 4.17(1H, dd, J=10.5Hz, J=6.9Hz), 4.00(1H, brs), 3.25(3H, br), 1.92 (3H, br), 1.80 (1H, br), 1.43(9H, s)

【００５５】

（第２工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(N-エチルアミノ)エチルオキシイミノ)キナゾリン(V-17)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(N-(t-ブトキシカルボニル)-N-エチルアミノ)エチルオキシイミノ)キナゾリン(V-16, 54mg)をクロロホルム(1.8ml)に溶かし、トリフルオロ酢酸(1.8ml)を加え、室温で1時間攪拌した。反応終了後、反応液を濃縮し、酢酸エチルで希釈した。飽和炭酸水素ナトリウム水溶液、水、食塩水で順次洗浄後、硫酸マグネシウム上で乾燥した。濃縮後、結晶性残渣をジクロロメタン－ヘキサン（1：4）の混液で洗い、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(N-エチルアミノ)エチルオキシイミノ)キナゾリン(V-17, 28mg)を白色固体として得た。

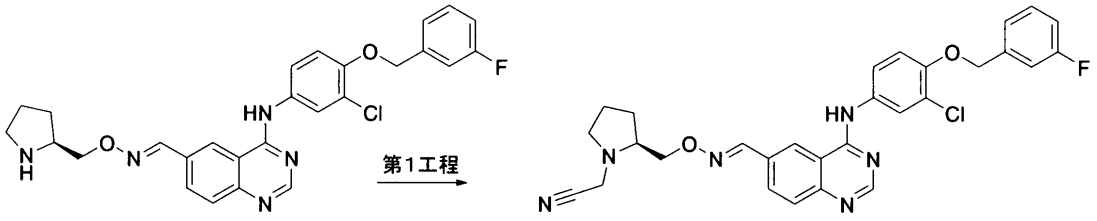
^{1}H NMR(d_6-DMSO, δ): 9.96(1H, s), 8.65(1H, brs), 8.60(1H, s), 8.35(1H, s), 8.11

(1H, d, J=9.0Hz), 8.01(1H, d, J=3.0Hz), 7.80(1H, d, J=9.0Hz), 7.75-7.70(1H, m), 7.52-7.43(1H, m), 7.36-7.31(2H, m), 7.28(1H, d, J=9.3Hz), 7.23-7.14(1H, m), 5.26(2H, s), 4.26(2H, t, J=6.0Hz), 2.93(2H, t, J=6.0Hz), 2.66(2H, q, J=7.2Hz), 1.05(3H, t, J=7.2Hz).

【００５６】

実施例３

【化６３】



V-29　　V-30

（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(N-シアノメチルピロリジン-2-イル)メトキシイミノ)メチルキナゾリン(V-30)の合成

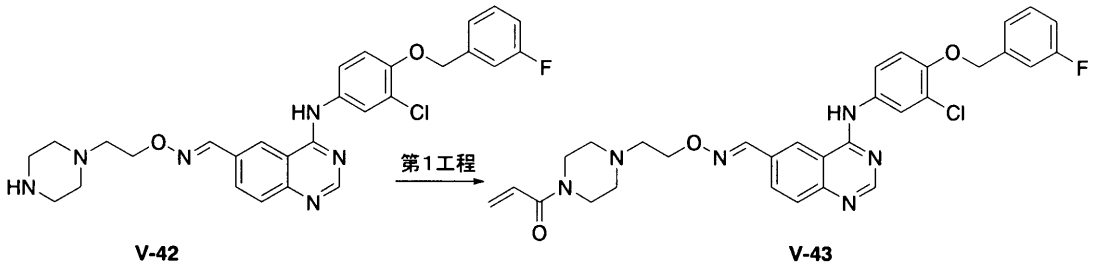
化合物V-29 40mgおよびヨードアセトニトリル8μLをN,N-ジメチルアセタミド0.4mLに溶かし、炭酸カリウム15mgを加えて、室温で1時間攪拌した。反応後、飽和食塩水溶液を加え、酢酸エチルで抽出した。有機層をプレセップ（登録商標）を通して脱水し、ろ液を濃縮した。濃縮残渣をシリカゲルクロマトグラフィー（ヘキサン：酢酸エチル=2：１で溶出）により精製し、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(N-シアノメチルピロリジン-2-イル)メトキシイミノ)メチルキナゾリン(V-30)を35mg得た。

^{1}H NMR(d_6-DMSO, δ): 9.92(1H, s), 8.62(1H, d, J=1.5Hz), 8.58(1H, s), 8.36(1H, s), 8.09(1H, dd, J=8.7Hz, J=1.5Hz), 7.99(1H, d, J=2.6Hz), 7.78(1H, d, J=8.7Hz), 7.71(1H, dd, J=9.0Hz, J=2.6Hz), 7.49-7.42(1H , m), 7.33-7.25(3H, m), 7.16(1H, dt, J=8.1Hz, J=1.8Hz), 5.24(2H, s), 4.17(2H, d, J=5.7Hz), 3.97(1H, d, J=17Hz), 3.90(1H, d, J=17Hz), 3.00-2.89(2H, m), 2.01-1.89(1H, m), 1.78-1.54(3H, m).

【００５７】

実施例４

【化６４】



V-42　　V-43

（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(4-アクリロイル-1-ピペラジン-1-イル)エトキシイミノ)メチルキナゾリン(V-43)の合成

化合物V-42 40mgおよび塩化アクリロイル6μLをテトラヒドロフラン1.5mLに溶かし、室温で2時間攪拌した。反応後、飽和食塩水溶液を加え、酢酸エチルで抽出した。有機層をCHEM ELUT（商品名）を通して脱水し、ろ液を濃縮した。濃縮残渣を、アミノカラムを用いたクロマトグラフィー(1%メタノール含有酢酸エチルで溶出)により精製し、得られた残渣をヘキサン-酢酸エチル(6：1）にて固体化させ、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(4-アクリロイル-1-ピペラジン-1-イル)エトキシイミノ)メチルキナゾリン(V-43)を20mg得た。

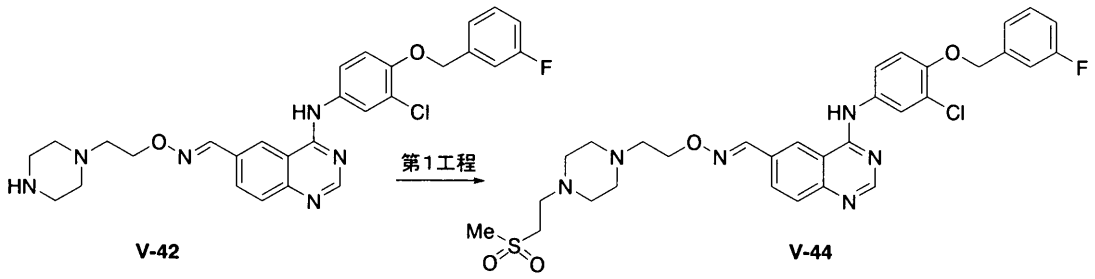
^{1}H NMR(d_6-DMSO, δ): 9.95(1H, s), 8.64(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, d, J=8.7Hz), 8.00(1H, d, J=2.4Hz), 7.78(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0Hz

, 2.7Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.22(1H, m), 6.79(1H, dd, J=16.5Hz, 10.2Hz), 6.10(1H, dd, J=16.5Hz, 2.4Hz), 6.17(1H, dd, J=10.5Hz, 2.4Hz), 5.26(2H, s), 4.32(2H, t, J=5.7Hz), 3.55(4H, m), 2.72(2H, t, J=5.7Hz), 2.50(4H, m)

【００５８】

実施例５

【化６５】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(4-(2-メタンスルホニルエチル)-1-ピペラジン-1-イル)エトキシイミノ)メチルキナゾリン(V-44)の合成

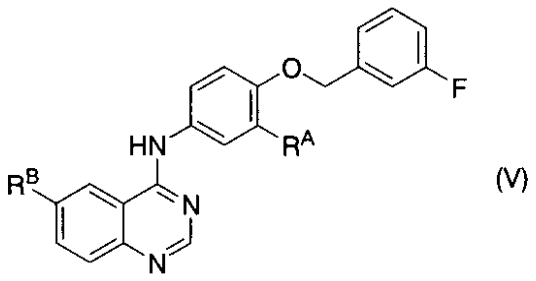
化合物V-42 25mgおよびメチルビニルスルホン4μLをテトラヒドロフラン1mLに溶かし、室温で21時間攪拌した。さらにメチルビニルスルホン4μLを加えた後、室温で29時間攪拌した。反応後、飽和食塩水溶液を加え、酢酸エチルで抽出した。有機層を水、飽和食塩水溶液の順で洗浄後、硫酸マグネシウム上で乾燥した。濃縮残渣をアミノカラムを用いたクロマトグラフィー(酢酸エチルで溶出)により精製し、得られた残渣をヘキサン-酢酸エチル(6：1）にて固体化させ、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(2-(4-(2-メタンスルホニルエチル)-1-ピペラジン-1-イル)エトキシイミノ)メチルキナゾリン(V-44)を15mg得た。

^{1}H NMR(d_6-DMSO, δ): 9.95(1H, s), 8.63(1H, s), 8.59(1H, s), 8.34(1H, s), 8.10(1H, d, J=9.6Hz), 8.00(1H, d, J=2.4Hz), 7.79(1H, d, J=8.4Hz), 7.71(1H, dd, J=8.7Hz, 2.7Hz), 7.44-7.51(1H, m), 7.26-7.34(3H, m), 7.15-7.22(1H, m), 5.26(2H, s), 4.29(2H, t, J=6.0Hz), 3.27(2H, t, J=6.6Hz), 3.02(3H, s), 2.67-2.70(4H, m), 2.46(8H, m)

【００５９】

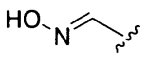
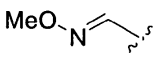
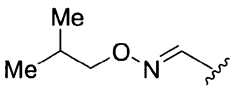
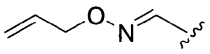
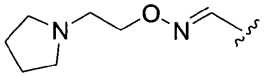
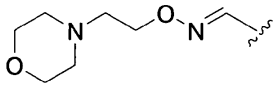
実施例１～５と同様の方法で下記の化合物を合成した。

【化６６】



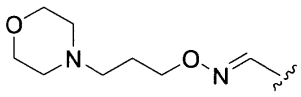
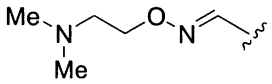
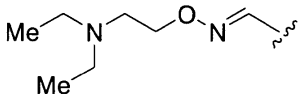
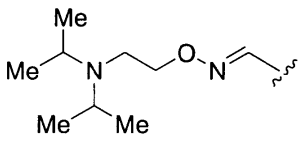
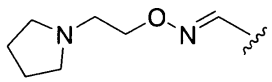
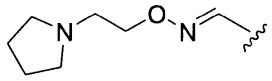
【００６０】

【表４】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-2	Cl		11.69(1H,s), 11.11(1H, brs), 8.84(1H, s), 8.83(1H, s), 8.29(1H, s), 8.26(1H, d, J=8.7Hz), 7.95(1H, d, J=2.7Hz), 7.88(1H, d, J=8.7Hz), 7.67(1H, dd, J=2.3Hz, J=9.2Hz), 7.48(1H, dt, J=6.0Hz, J=7.8Hz), 7.37-7.29(3H, m), 7.20(1H, br t, J=9.2Hz), 5.30(2H, s).
V-3	Cl		9.96(1H, s), 8.65(1H, s), 8.60(1H, s), 8.34(1H, s), 8.10(1H, br d, J=8.7Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.4Hz), 7.73(1H, dd, J=2.7Hz, J=9.0Hz), 7.48(1H, dt, J=6.0Hz, J=8.1Hz), 7.36-7.31(2H, m), 7.28(1H, d, J=9.0Hz), 7.19(1H, br t, J=8.7Hz), 5.26(2H, s), 3.98(3H, s).
V-4	Cl		9.95(1H, s), 8.63(1H, s), 8.60(1H, s), 8.36(1H, s), 8.10(1H, dd, J=8.7Hz, J=1.2Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.4Hz), 7.72(1H, dd, J=2.6Hz, J=8.9Hz), 7.48(1H, dt, J=6.0Hz, J=8.1Hz), 7.36-7.29(2H, m), 7.28(1H, d, J=9.0Hz), 7.19(1H, dt, J=2.4Hz, J=8.6Hz), 5.27(2H, s), 3.97(2H, d, J=6.9Hz), 2.05(1H, m), 0.95(6H, d, J=6.9Hz).
V-5	Cl		9.96(1H, s), 8.64(1H, s), 8.60(1H, s), 8.39(1H, s), 8.11(1H, dd, J=1.5Hz, J=8.7Hz), 8.01(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=2.7Hz, J=9.0Hz), 7.48(1H, dt, J=6.3Hz, J=7.8Hz), 7.36-7.29(2H, m), 7.28(1H, d, J=9.0Hz), 7.19(1H, dt, J=2.2Hz, J=8.6Hz), 6.08(1H, ddt, J=17.4Hz, J=10.5Hz, J=5.7Hz), 5.38(1H, ddd, J=17.4Hz, J=3.6Hz, J=1.8Hz), 5.30-5.24(1H, m), 5.26(2H, s), 4.72(2H, dt, J=5.7Hz, J=1.5Hz).
V-6	Cl		9.95(1H, s), 8.64(1H, s), 8.60(1H, s), 8.35(1H, s), 8.11(1H, br d, J=8.7Hz), 8.00(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=2.7Hz, J=9.0Hz), 7.51-7.44(1H, m), 7.36-7.31(2H, m), 7.28(1H, d, J=9.3Hz), 7.19(1H, br t, J=8.4Hz), 5.26(2H, s), 4.29(2H, t, J=6.3Hz), 2.810(2H, t, J=4.8Hz), 2.6-2.5(4H, m), 1.75-1.65(4H, m).
V-7	Cl		9.95(1H, s), 8.64(1H, s), 8.60(1H, s), 8.35(1H, s), 8.11(1H, dd, J=8.7Hz, J=1.5Hz), 8.01(1H, d, J=2.7Hz), 7.80(1H, d, J=9.0Hz), 7.72(1H, dd, J=9.0Hz, J=2.7Hz), 7.48(1H, dt, J=6.0Hz, J=8.1Hz), 7.36-7.31(2H, m), 7.28(1H, d, J=9.3Hz), 7.19(1H, br t J=9.0Hz), 5.27(2H, s), 4.31(2H, t, J=5.7Hz), 3.58(4H, t, J=5.1Hz), 2.67(2H, t, J=5.7Hz), 2.46(4H, t, J=4.5Hz).

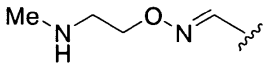
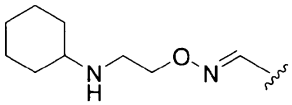
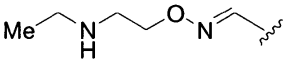
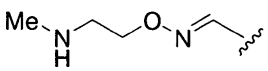
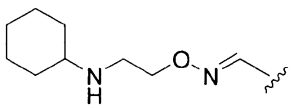
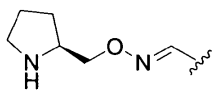
【００６１】

【表５】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-8	-Cl		9.94(1H, s), 8.63(1H, s), 8.59(1H, s), 8.33(1H, s), 8.10(1H, br d, J=7.2Hz), 8.00(1H, d, J=2.4Hz), 7.78(1H, d, J=8.7Hz), 7.71(1H, dd, J=8.7Hz, J=2.1Hz), 7.47(1H, dt, J=6.3Hz, J=8.1Hz), 7.36-7.31(2H, m), 7.28(1H, d, J=9.0Hz), 7.18(1H, br t, J=9.0Hz), 5.26(2H, s), 4.23(2H, t, J=6.3Hz), 3.57(4H, t, J=4.5Hz), 2.45-2.35(6H, m), 1.87(2H, quin, J=6.8Hz).
V-9	-Cl		9.95(1H, s), 8.63(1H, s), 8.60(1H, s), 8.34(1H, s), 8.11(1H, dd, J=8.7Hz, J=1.5Hz), 8.00(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=8.7Hz, J=2.7Hz), 7.48(1H, dt, J=6.0Hz, J=8.1Hz), 7.36-7.31(2H, m), 7.28(1H, d, J=9.0Hz), 7.18(1H, dt, J=2.4Hz, J=8.4Hz), 5.26(2H, s), 4.28(2H, t, J=5.7Hz), 2.63(2H, t, J=5.7Hz), 2.23(6H, s).
V-10	-Cl		9.93(1H, s), 8.63(1H, s), 8.60(1H, s), 8.33(1H, s), 8.11(1H, dd, J=8.7Hz, J=1.5Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=2.7Hz, J=8.7Hz), 7.47(1H, dt, J=5.7Hz, J=8.1Hz), 7.36-7.31(2H, m), 7.28(1H, d, J=9.3Hz), 7.18(1H, dt, J=8.7Hz, J=2.7Hz), 5.26(2H, s), 4.25(2H, t, J=6.2Hz), 2.79(2H, brs), 2.57(4H, q, J=6.6Hz), 0.99(6H, t, J=7.1Hz).
V-11	-Cl		9.91(1H, s), 8.61(1H, d, J=1.5Hz), 8.60(1H, s), 8.31(1H, s), 8.12(1H, dd, J=1.5Hz, J=8.7Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=2.4Hz, J=8.7Hz), 7.47(1H, dt, J=5.7Hz, J=8.1Hz), 7.36-7.31(2H, m), 7.28(1H, d, J=9.3Hz), 7.18(1H, dt, J=8.7Hz, J=2.7Hz), 5.26(2H, s), 4.10(2H, t, J=6.9Hz), 3.01(2H, quin, J=6.3Hz), 2.74(2H, t, J=6.9Hz), 1.99(12H, d, 6.3Hz).
V-12	-F		9.94(1H, s), 8.64(1H, s), 8.60(1H, s), 8.34(1H, s), 8.11(1H, d, J=8.8Hz), 7.88(1H, d, J=13.2Hz), 7.79(1H, d, J=8.8Hz), 7.56-7.44(2H, m), 7.36-7.24(3H, m), 7.19(1H, br t, J=8.8Hz), 5.18(2H, s), 4.32-4.27(2H, m), 2.82-2.74(2H, m), 2.55-2.48(4H, m), 1.73-1.65(4H, m).
V-13	-OMe		9.84(1H, s), 8.64(1H, d, J=1.5Hz), 8.55(1H, s), 8.34(1H, s), 8.09(1H, dd, J=1.5Hz, J=8.7Hz), 7.77(1H, d, J=8.7Hz), 7.49-7.36(3H, m), 7.33-7.26(2H, m), 7.20-7.12(1H, m), 7.05(1H, d, J=9.0Hz), 5.13(2H, s), 4.28(2H, t, J=6.0Hz), 3.82(3H, s), 2.76(2H, t, J=6.0Hz), 2.54-2.46(4H, m), 1.76-1.62(4H, m).

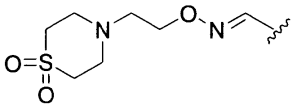
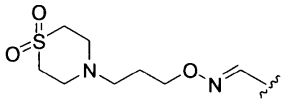
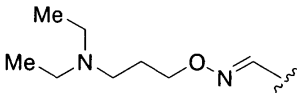
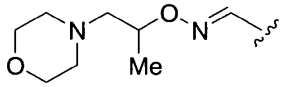
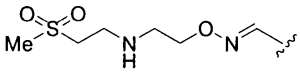
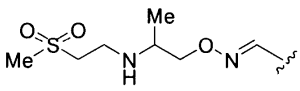
【００６２】

【表６】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-23	Cl		9.96(1H, s), 8.64(1H, s), 8.60(1H, s), 8.34(1H, s), 8.11(1H, dd, J=1.2Hz, J=8.4Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=2.4Hz, J=8.7Hz), 7.48(1H, dt, J=6.0Hz, J=8.4Hz), 7.36-7.30(2H, m), 7.28(1H, d, J=9.0Hz), 7.23-7.15(1H, m), 5.27(2H, s), 4.24(2H, t, J=5.7Hz), 2.81(2H, t, J=5.7Hz), 2.33(3H, s).
V-24	Cl		9.95(1H, s), 8.65(1H, d, J=1.2Hz), 8.60(1H, s), 8.35(1H, s), 8.11(1H, dd, J=1.5Hz, J=8.7Hz), 8.01(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.73(1H, dd, J=2.7Hz, J=9.0Hz), 7.47(1H, dt, J=6.0Hz, J=8.1Hz), 7.36-7.30(2H, m), 7.28(1H, d, J=9.0Hz), 7.23-7.14(1H, m), 5.26(2H, s), 4.25(2H, t, J=5.7Hz), 2.95(2H, t, J=5.7Hz), 2.55-2.4(1H, m), 1.9-1.8(2H, m), 1.75-1.62(2H, m), 1.6-1.5(1H, m), 1.3-0.97(5H, m).
V-25	OMe		9.86(1H, s), 8.64(1H, s), 8.56(1H, s), 8.34(1H, s), 8.10(1H, d, J=8.4Hz), 7.77(1H, d, J=8.7Hz), 7.5-7.35(3H, m), 7.34-7.26(2H, m), 7.21-7.13(1H, m), 7.06(1H, d, J=8.7Hz), 5.13(2H, s), 4.23(2H, t, J=6.0Hz), 3.82(3H, s), 2.86(2H, t, J=6.0Hz), 2.59(2H, q, J=7.2Hz), 1.02(3H, t, J=7.2Hz).
V-26	OMe		9.86(1H, s), 8.64(1H, s), 8.56(1H, s), 8.33(1H, s), 8.10(1H, d, J=8.7Hz), 7.77(1H, d, J=9.0Hz), 7.50-7.35(3H, m), 7.33-7.26(2H, m), 7.21-7.13(1H, m), 7.05(1H, d, J=8.4Hz), 5.13(2H, s), 4.23(2H, t, J=5.7Hz), 3.82(3H, s), 2.81(2H, d, J=6.0Hz), 2.33(3H, s).
V-27	OMe		9.86(1H, s), 8.64(1H, s), 8.56(1H, s), 8.34(1H, s), 8.09(1H, dd, J=1.5Hz, J=8.7Hz), 7.77(1H, d, J=8.7Hz), 7.50-7.35(3H, m), 7.33-7.26(2H, m), 7.21-7.13(1H, m), 7.05(1H, d, J=8.7Hz), 5.13(2H, s), 4.22(2H, t, J=5.7Hz), 3.82(3H, s), 2.88(2H, t, J=5.7Hz), 2.45-2.35(1H, m), 1.88-1.76(2H, m), 1.72-1.62(2H, m), 1.6-1.5(2H, m), 1.3-0.93(4H, m).
V-29	Cl		9.94(1H, s), 8.65(1H, brs), 8.60(1H, s), 8.35(1H, s), 8.11(1H, dd, J=8.7Hz, J=1.2Hz), 8.00(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0Hz, J=2.1Hz), 7.51-7.44(1H, m), 7.35-7.27(3H, m), 7.18(1H, dt, J=8.1Hz, J=1.5Hz), 5.26(2H, s), 4.12(2H, d, J=6.3Hz), 3.53-3.44(1H, m), 2.96-2.82(2H, m), 1.94-1.64(3H, m), 1.53-1.41(1H, m)

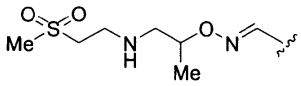
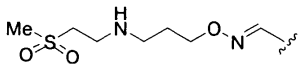
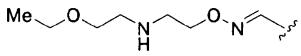
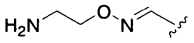
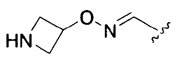
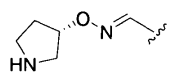
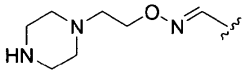
【００６３】

【表７】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-30	-Cl		9.95(1H, s), 8.64(1H, s), 8.59(1H, s), 8.35(1H, s), 8.11(1H, d, J=8.7Hz), 8.00(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.71(1H, dd, J=8.4Hz, J=1.8Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.22(1H, m), 5.26(2H, s), 4.31(2H, t, J=5.7Hz), 3.08-3.10(4H, m), 3.02-3.04(4H, m), 2.91(2H, t, J=5.7Hz)
V-31	-Cl		9.95(1H, s), 8.63(1H, s), 8.60(1H, s), 8.34(1H, s), 8.11(1H, d, J=9.3Hz), 8.00(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0 Hz, J=2.4Hz), 7.51-7.44(1H, m), 7.35-7.27(3H, m), 7.22-7.15(1H, m), 5.26(2H, s), 4.23(2H, t, J=6.3Hz), 3.09-3.07(4H, m), 2.92-2.90(4H, m), 2.59(2H, t, J=6.9Hz), 1.90-1.85(2H, m)
V-32	-Cl		9.94(1H, s), 8.64(1H, s), 8.59(1H, s), 8.33(1H, s), 8.10(1H, d, J=8.7Hz), 8.00(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=8.7Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.22(1H, m), 5.26(2H, s), 4.22(2H, t, J=6.3Hz), 2.49-2.51(6H, m), 1.78-1.83(2H, m), 0.95(6H, t, J=7.2Hz)
V-33	-Cl		9.94(1H, s), 8.61(1H, s), 8.59(1H, s), 8.31(1H, s), 8.11(1H, dd, J=8.4Hz,1.5Hz), 8.00(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.71(1H, dd, J=9.3Hz, 2.7Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.22(1H, m), 5.26(2H, s), 4.50-4.56(1H, m), 3.57(4H, t, J=4.8Hz), 2.59-2.65(2H, m), 2.46(4H, m), 1.31(3H, d, J=6.0Hz)
V-34	-Cl		9.95(1H, s), 8.65(1H, s), 8.60(1H, s), 8.34(1H, s), 8.12(1H, dd, J=9.0Hz, 1.8Hz), 8.01(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=8.7Hz, J=2.4Hz), 7.44-7.52(1H, m), 7.27-7.35(3H, m), 7.16-7.22(1H, m), 5.27(2H, s), 4.25(2H, t, J=5.4Hz), 3.25(2H, t, J=6.9Hz), 3.02(3H, s), 2.99(2H, t, J=6.9Hz), 2.89(2H, t, J=5.7Hz)
V-35	-Cl		9.95(1H, s), 8.65(1H, s), 8.60(1H, s), 8.36(1H, s), 8.12(1H, dd, J=8.7Hz, 1.8Hz), 8.01(1H, d, J=2.7Hz), 7.80(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0Hz, 2.4Hz), 7.44-7.52(1H, m), 7.27-7.35(3H, m), 7.16-7.22(1H, m), 5.27(2H, s), 4.04-4.09(2H, m), 3.20-3.26(2H, m), 2.98-3.08(6H, m), 1.06(3H, d, J=6.3Hz)

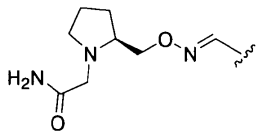
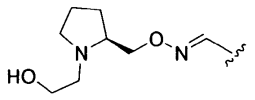
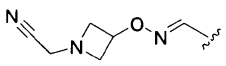
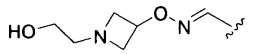
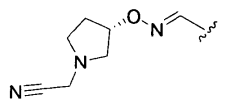
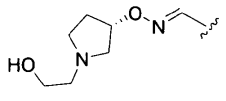
【００６４】

【表８】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-36	-Cl		9.95(1H, s), 8.63(1H, s), 8.60(1H, s), 8.32(1H, s), 8.13(1H, d, J=9.0Hz), 8.00(1H, d, J=2.7Hz), 7.80(1H, d, J=8.4Hz), 7.72(1H, dd, J=9.3Hz, 2.7Hz), 7.44-7.52(1H, m), 7.27-7.35(3H, m), 7.16-7.22(1H, m), 5.27(2H, s), 4.40-4.46(1H, m), 3.27(2H, t, J=6.9Hz), 2.99-3.02(5H, m), 2.74-2.90(2H, m), 1.30(3H, d, J=6.6Hz)
V-37	-Cl		9.95(1H, s), 8.64(1H, s), 8.60(1H, s), 8.34(1H, s), 8.11(1H, dd, J=9.0Hz, 1.2Hz), 8.01(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=8.7Hz, 2.7Hz), 7.44-7.51(1H, m), 7.26-7.34(3H, m), 7.16-7.22(1H, m), 5.26(2H, s), 4.25(2H, t, J=6.3Hz), 3.25(2H, t, J=7.2Hz), 3.03(3H, s), 2.98(2H, t, J=6.9Hz), 2.70(2H, t, J=6.9Hz), 1.84-1.91(2H, m)
V-38	-Cl		9.96(1H, s), 8.64(1H, s), 8.60(1H, s), 8.35(1H, s), 8.11(1H, dd, J=8.7Hz, 1.5Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.73(1H, dd, J=9.0Hz, 2.7Hz), 7.44-7.52(1H, m), 7.27-7.35(3H, m), 7.16-7.22(1H, m), 5.27(2H, s), 4.25(2H, t, J=5.4Hz), 3.38-3.46(4H, m), 2.91(2H, t, J=5.7Hz), 2.73(2H, t, J=5.4Hz), 1.09(3H, t, J=6.9Hz)
V-39	-Cl		9.96(1H, s), 8.63(1H, brs), 8.60(1H, s), 8.34(1H, s), 8.11(1H, dd, J=8.7Hz, J=1.5Hz), 8.00(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0Hz, J=2.4Hz), 7.52-7.44(1H, m), 7.35-7.27(3H, m), 7.20(1H, dt, J=9.3Hz, J=2.7Hz), 5.27(2H, s), 4.37(2H, t, J=6.0Hz), 3.51(2H, t, J=6.0Hz)
V-40	-Cl		9.95(1H, s), 8.64(1H, brs), 8.59(1H, s), 8.40(1H, s), 8.09(1H, d, J=6.6Hz), 8.01(1H, brs), 7.78(1H, d, J=6.3Hz), 7.72(1H, d, J=6.3Hz), 7.50-7.45(1H, m), 7.35-7.26(3H, m), 7.19(1H, t, J=6.3Hz), 5.26(2H, s), 5.09(1H, m), 3.69(2H, t-like, J=5.1Hz), 3.60(2H, t-like, J=5.1Hz)
V-41	-Cl		9.93(1H, s), 8.62(1H, brs), 8.59(1H, s), 8.30(1H, s), 8.11(1H, d, J=6.3Hz), 8.00(1H, d, J=1.5Hz), 7.79(1H, d, J=6.6Hz), 7.72(1H, dd, J=6.6Hz, J=1.8Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=5.7Hz), 5.26(2H, s), 4.88(1H, brs), 3.01-2.88(3H, m), 2.79-2.73(1H, m), 1.99-1.85(2H, m)
V-42	-Cl		9.95(1H, s), 8.63(1H, brs), 8.60(1H, s), 8.35(1H, s), 8.11(1H, dd, J=8.7Hz, J=1.5Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.3Hz, J=2.7Hz), 7.52-7.44(1H, m), 7.35-7.27(3H, m), 7.19(1H, dt, J=9.3Hz, J=2.7Hz), 5.27(2H, s), 4.29(2H, t, J=6.0Hz), 2.69(4H, t, J=4.8Hz), 2.63(2H, t, J=6.0Hz), 2.39(4H, brs)

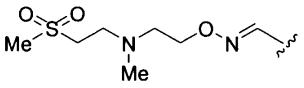
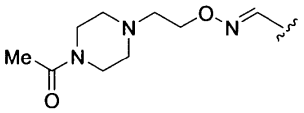
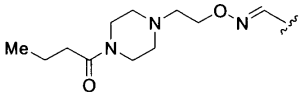
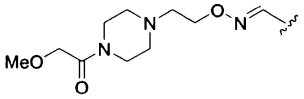
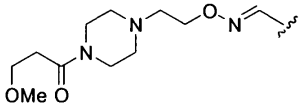
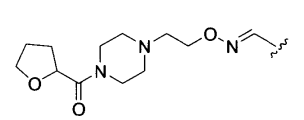
【００６５】

【表９】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-45	-Cl		9.93(1H, s), 8.63(1H, brs), 8.60(1H, s), 8.33(1H, s), 8.10(1H, d, J=6.6Hz), 8.02(1H, d, J=1.5Hz), 7.79(1H, d, J=6.6Hz), 7.73(1H, d, J=6.9Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.19(2H, m), 7.08(1H, brs), 5.26(2H, s), 4.20(1H, dd, J=8.1Hz, J=4.2Hz), 4.13(1H, dd, J=8.1Hz, J=4.2Hz), 3.38(1H, d, J=12Hz), 3.08-2.93(3H, m), 2.38(1H, m), 199-1.89(1H, m), 1.76-1.57(3H, m)
V-46	-Cl		9.93(1H, s), 8.63(1H, brs), 8.60(1H, s), 8.34(1H, s), 8.11(1H, d, J=6.6Hz), 8.01(1H, d, J=2.1Hz), 7.80(1H, d, J=6.6Hz), 7.73(1H, d, J=8.1Hz), 7.51-7.44(1H, m), 7.35-7.27(3H, m), 7.19(1H, m), 5.27(2H, s), 4.38(1H, brs), 4.19(1H, dd, J=8.1Hz, J=4.2Hz), 4.03(1H, dd, J=8.1Hz, J=4.2Hz), 3.49(2H, dd, J=9.3Hz, J=4.5Hz), 3.09-3.05(1H, m), 2.95-2.90(1H, m), 2.84-2.82(1H, m), 2.47-2.40(1H, m), 2.29-2.22(1H, m), 1.91-1.85(1H, m), 1.73-1.57(3H, m)
V-47	-Cl		9.94(1H, s), 8.66(1H, brs), 8.60(1H, s), 8.43(1H, s), 8.12(1H, d, J=6.6Hz), 8.01(1H, d, J=1.2Hz), 7.79(1H, d, J=6.9Hz), 7.72(1H, d, J=6.6Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=6.0Hz), 5.27(2H, s), 4.97(1H, m), 3.74(2H, s), 3.68(2H, t-like, J=5.1Hz), 3.37(2H, t-like, J=5.1Hz)
V-48	-Cl		9.95(1H, s), 8.64(1H, brs), 8.60(1H, s), 8.39(1H, s), 8.09(1H, d, J=6.6Hz), 8.01(1H, brs), 7.79(1H, d, J=6.3Hz), 7.73(1H, d, J=6.6Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=6.6Hz), 5.26(2H, s), 4.92(1H, m), 4.42(1H, brs), 3.62(2H, t, J=5.4Hz), 3.14(2H, t, J=5.4Hz), 2.54(2H, t, J=4.5Hz)
V-49	-Cl		9.94(1H, s), 8.63(1H, brs), 8.60(1H, s), 8.32(1H, s), 8.11(1H, d, J=6.6Hz), 8.01(1H, d, J=1.8Hz), 7.79(1H, d, J=6.6Hz), 7.72(1H, dd, J=6.9Hz, J=1.8Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=6.3Hz), 5.26(2H, s), 4.95(1H, brs), 3.87(2H, s), 2.91-2.81(3H, m), 2.57-2.51(1H, m), 2.30-2.21(1H, m), 2.00-1.91(1H, m)
V-50	-Cl		9.95(1H, s), 8.62(1H, brs), 8.59(1H, s), 8.32(1H, s), 8.10(1H, d, J=6.3Hz), 8.00(1H, brs), 7.79(1H, d, J=6.3Hz), 7.72(1H, d, J=6.3Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=6.0Hz), 5.26(2H, s), 4.89(1H, brs), 4.45(1H, brs), 3.49(3H, m), 2.82-2.75(3H, m), 2.41-2.39(1H, m), 2.17(1H, m), 1.86(1H, brs)

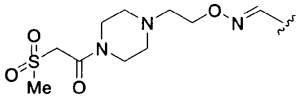
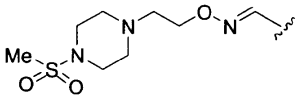
【００６６】

【表１０】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-51	-Cl		9.94(1H, s), 8.64(1H, s), 8.60(1H, s), 8.33(1H, s), 8.12(1H, d, J=10.2Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, dd, J=8.7Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.34(3H, m), 7.16-7.22(1H, m), 5.26(2H, s), 4.29(2H, t, J=5.7Hz), 3.27(2H, t, J=7.2Hz), 3.02(3H, s), 2.84(2H, t, J=6.9Hz), 2.75(2H, t, J=5.7Hz), 2.29(3H, s)
V-52	-Cl		9.94(1H, s), 8.64(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, dd, J=8.7Hz, 1.5Hz), 8.00(1H, d, J=2.7Hz), 7.78(1H, d, J=8.7Hz), 7.71(1H, dd, J=8.7Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.21(1H, m), 5.26(2H, s), 4.32(2H, t, J=5.7Hz), 3.42-3.43(4H, m), 2.71(2H, t, J=5.7Hz), 2.41(4H, t, J=5.1Hz), 1.98(3H, s)
V-53	-Cl		9.95(1H, s), 8.63(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, dd, J=8.4Hz, 1.2Hz), 8.00(d, 1H, J=2.4Hz), 7.79(1H, d, J=8.4Hz), 7.71(1H, dd, J=9.3Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.34(3H, m), 7.15-7.22(1H, m), 5.26(2H, s), 4.32(2H, t, J=5.4Hz), 3.43-3.45(4H, m), 2.70(2H, t, J=5.7Hz), 2.41-2.46(4H, m), 2.26(2H, t, J=7.2Hz), 1.43-1.56(2H, m), 0.87(3H, t, J=7.5Hz)
V-54	-Cl		9.94(1H, s), 8.63(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, dd, J=8.7Hz, 1.5Hz), 8.00(1H, d, J=2.4Hz), 7.78(1H, d, J=8.7Hz), 7.71(1H, dd, J=9.0Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.21(1H, m), 5.26(2H, s), 4.32(2H, t, J=5.7Hz), 4.06(3H, s), 3.37-3.42(4H, m), 3.27(2H, s), 2.71(2H, t, J=5.7Hz), 2.46(4H, m)
V-55	-Cl		9.94(1H, s), 8.63(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, dd, J=8.7Hz, 1.5Hz), 8.00(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.71(1H, dd, J=9.0Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.21(1H, m), 5.26(2H, s), 4.32(2H, t, J=5.7Hz), 3.53(2H, t, J=6.6Hz), 3.43-3.47(4H, m), 3.21(3H, s), 2.71(2H, t, J=6.0Hz), 2.55(2H, t, J=6.6Hz), 2.42-2.50(4H, m)
V-56	-Cl		9.94(1H, s), 8.64(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, dd, J=8.7Hz, 1.5Hz), 8.00(1H, d, J=2.7Hz), 7.79(1H, d, J=9.0Hz), 7.71(1H, dd, J=8.7Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.15-7.22(1H, m), 5.26(2H, s), 4.61-4.66(1H, m), 4.32(2H, t, J=5.7Hz), 3.68-3.80(2H, m), 3.44-3.54(4H, m), 2.71(2H, 5.7Hz), 2.44-2.50(4H, m), 1.95-2.04(2H, m), 1.75-1.86(2H, m)

【００６７】

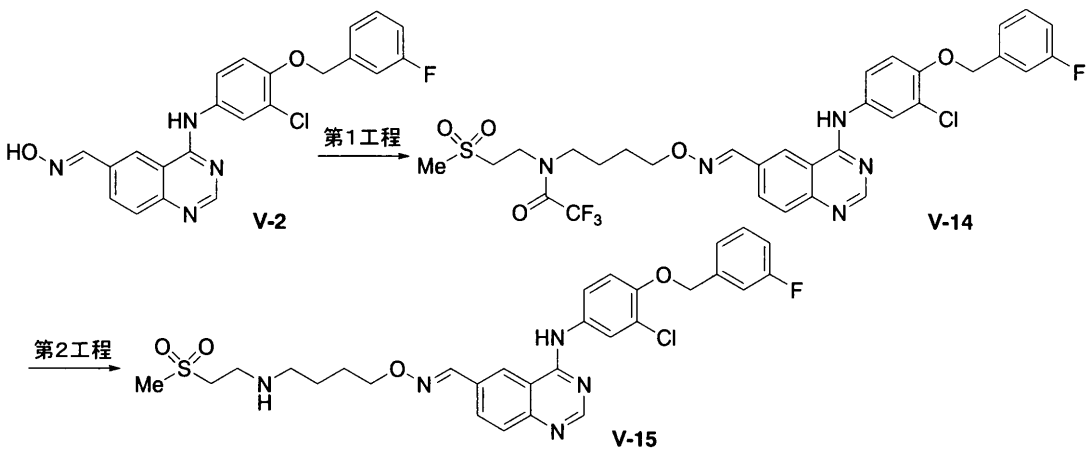
【表１１】

化合物 No.	R^A	R^B	^{1}H-NMR(d_6-DMSO)
V-57	-Cl		9.94(1H, s), 8.64(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, dd, J=8.7Hz, 1.2Hz), 8.00(1H, d, J=2.7Hz), 7.79(1H, d, J=8.7Hz), 7.71(1H, dd, J=9.0Hz, 2.4Hz), 7.44-7.51(1H, m), 7.26-7.35(3H, m), 7.16-7.21(1H, m), 5.26(2H, s), 4.45(2H, s), 4.32(2H, t, J=5.4Hz), 3.49-3.53(4H, m), 3.09(3H, s), 2.72(2H, t, J=5.7Hz), 2.44-2.50(4H, m)
V-58	-Cl		9.95(1H, s), 8.64(1H, s), 8.59(1H, s), 8.35(1H, s), 8.10(1H, d, J=8.7Hz), 8.00(1H, d, J=2.7Hz), 7.78(1H, d, J=8.7Hz), 7.69-7.73(1H, m), 7.44-7.51(1H, m), 7.26-7.34(3H, m), 7.16-7.22(1H, m), 5.26(2H, s), 4.31(2H, t, J=5.7Hz), 3.12(4H, t, J=5.1Hz), 2.87(3H, s), 2.75(2H, t, J=5.4Hz), 2.58(4H, t, J=5.3Hz)

【００６８】

実施例６

【化６７】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(4-(N-(2-(メタンスルホニル)エチル)-N-(2,2,2-トリフルオロアセチル)アミノ)ブチルオキシイミノ)キナゾリン(V-14)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(ヒドロキシイミノ)キナゾリン(V-2, 84mg)およびN-(4-ブロモブチル)-N-(2-メタンスルホニルエチル)-2,2,2-トリフルオロアセタミド(71mg)をN,N-ジメチルアセタミド(1.5ml)に溶かし、炭酸カリウム(41mg)を加えて、60℃で13時間加熱攪拌した。その後、反応液を0.5Mクエン酸中に注ぎ、酢酸エチルで抽出した。有機層を水、食塩水で洗浄後、硫酸マグネシウム上で乾燥した。粗成績体をシリカゲルクロマトグラフィー（ヘキサン：酢酸エチル=１：４で溶出）により精製し、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(4-(N-(2-(メタンスルホニル)エチル)-2,2,2-トリフルオロアセタミド)ブチルオキシイミノ)キナゾリン(V-14, 41mg)を淡黄色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 9.94(1H, s), 8.63(1H, s), 8.59(1H, s), 8.33(1H, s), 8.10(1H, dd, J=8.4Hz, J=1.5Hz), 8.00(1H, d, J=2.4Hz), 7.78(1H, d, J=8.7Hz), 7.71(1H, dd, J=2.3Hz, J=8.7Hz), 7.47(1H, dt, J=6.0Hz, J=8.1Hz), 7.36-7.31(2H, m), 7.28(1H, d, J=9.0Hz), 7.18(1H, dt, J=2.0Hz, J=8.6Hz), 5.26(2H, s), 4.26-4.18(2H, m), 3.79(2H, t, J=7.1Hz), 3.60-3.44(4H, m), 3.05(3H, s), 1.78-1.66(4H, m).

【００６９】

（第２工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(4-(2-(メタンスルホニル)エチルアミノ)ブチルオキシイミノ)キナゾリン(V -15)の合成

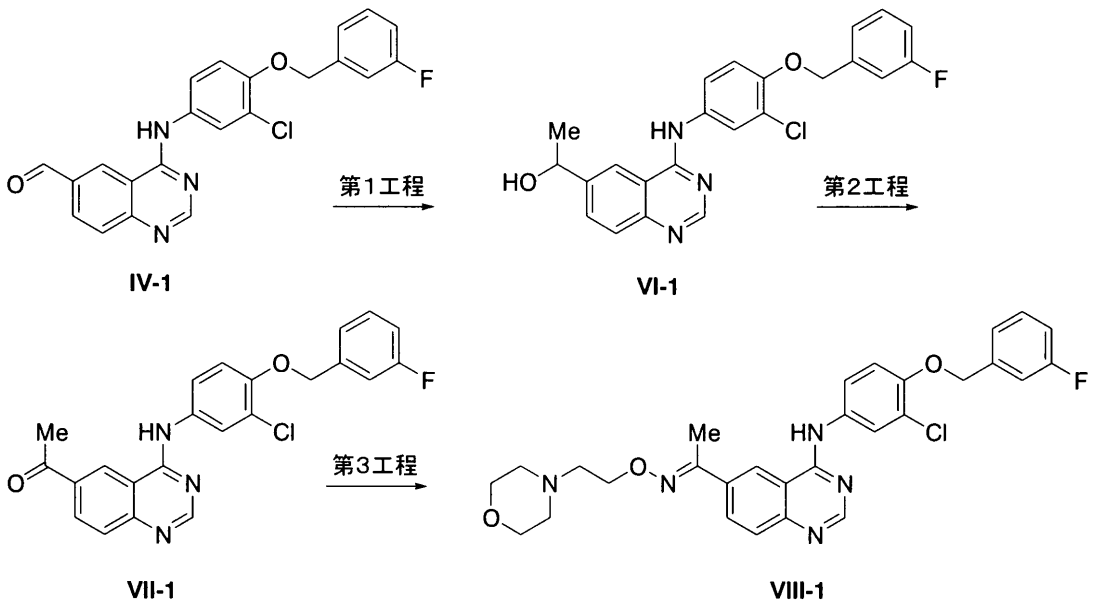
4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(4-(N-(2-(メタンスルホニル)エチル)-2,2,2-トリフルオロアセタミド)ブチルオキシイミノ)キナゾリン(V-14, 40mg)をテトラヒドロフランとメタノールの混液（1：1）2.6mlに溶かし、1mol/L水酸化ナトリウム水溶液86μlを加えて、室温で14時間、40℃で1時間攪拌した。反応後、酢酸エチルで抽出し、有機層を脱水し、濾液を濃縮した。濃縮残渣を、アミノカラムを用いたクロマトグラフィー（0～3%メタノール含有酢酸エチルで溶出）により精製、得られた淡黄色の油状物質をヘキサンと酢酸エチルの混液で粉末化し、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(4-(2-(メタンスルホニル)エチルアミノ)ブチルオキシイミノ)キナゾリン(V-15, 12mg)を淡黄色固体として得た。

^{1}H NMR(d_6-DM SO, δ): 9.95(1H, s), 8.63(1H, s), 8.59(1H, s), 8.33(1H, s), 8.11(1H, d, J=8.7Hz), 8.01(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.72(1H, br d, J=9.0Hz), 7.51-7.44(1H, m), 7.36-7.31(2H, m), 7.28(1H, d, J=9.0Hz), 7.19(1H, br t, J=9Hz), 5.26(2H, s), 4.20(2H, t, J=6.6Hz), 3.21(2H, t, J=6.9Hz), 2.91(2H, t, J=6.6Hz), 2.56(2H, t, J=6.9Hz), 1.73(2H, quin, J=7Hz), 1.51(2H, quin, J=7Hz).

【００７０】

実施例７

【化６８】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-ヒドロキシエタン-1-イル)キナゾリン(VI-1)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ホルミルキナゾリン(IV-1) 620mgをテトラヒドロフラン30mLに溶解後、窒素雰囲気下0℃に冷却し、臭化メチルマグネシウム(0.93M テトラヒドロフラン溶液)を4.9mL滴下した。窒素雰囲気下0℃で1時間反応後、水と酢酸エチルを加え分液操作を行った。有機層を水、飽和食塩水の順で洗浄後、硫酸マグネシウム上で乾燥した。濃縮後、得られた結晶をクロロホルムで洗浄して4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-ヒドロキシエタン-1-イル)キナゾリン(VI-1)330mgを得た。

^{1}H NMR(d_6-DMSO　δ): 9.81(1H, s), 8.55(1H, s), 8.44(1H, s), 8.03(1H, d, J=2.4Hz), 7.86(1H, dd, J=8.7Hz, J=1.2Hz), 7.78-7.73(2H, m), 7.51-7.44(1H, m), 7.35-7.25(3H, m), 7.18(1H, dt, J=8.4Hz, J=2.4Hz), 5.44(1H, d, J=3.9Hz), 5.26(2H, s), 4.93(1H, m), 1.45(3H , d, J=6.6Hz)

【００７１】

（第２工程） 4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(エタン-1-オン)キナゾリン(VII-1)の合成

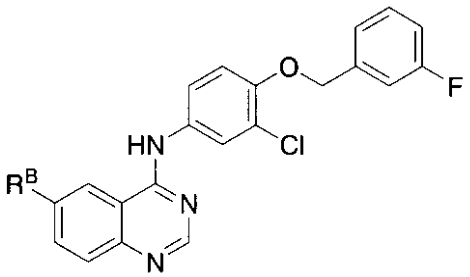
4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-ヒドロキシエタン-1-イル)キナゾリン(VI-1) 360mgをテトラヒドロフラン150mLに溶かし、二酸化マンガン3.7gを加え室温で終夜攪拌した。反応後、無機物をろ去してろ液を濃縮した。得られた結晶をクロロホルムで洗浄して4-(3-クロロ-4- (3-フルオロベンジルオキシ)フェニルアミノ)-6-(エタン-1-オン)キナゾリン(VII-1) 320mgを得た。

^{1}H NMR(d_6-DMSO δ): 10.18(1H, s), 9.16(1H, d, J=1.5Hz), 8.64(1H, s), 8.31(1H, dd, J=8.4Hz, J=2.4Hz), 7.97(1H, d, J=2.4Hz), 7.83(1H, d, J=8.7Hz), 7.71(1H, dd, J=8.7Hz, J=2.4Hz), 7.51-7.44(1H, m), 7. 35-7.29(3H, m), 7.19(1H, dt, J=8.1Hz, J=2.7Hz), 5.27(2H, s), 2.74(3H, s)

【００７２】

上記第１工程および第２工程と同様の方法で下記の化合物を合成した。

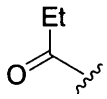
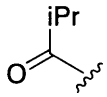
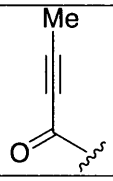
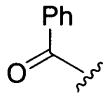
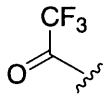
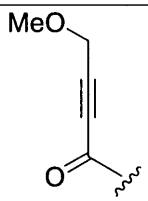
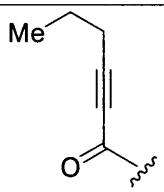
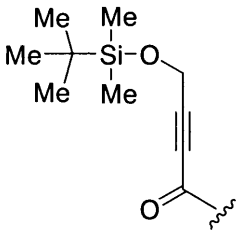
【化６９】



(VII)

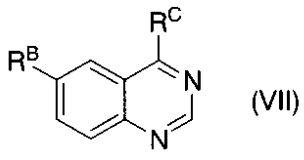
【００７３】

【表１２】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VII-2		10.17(1H, s), 9.17(1H, d, J=1.5Hz), 8.64(1H, s), 8.32(1H, dd, J=8.7Hz, J=1.5Hz), 7.97(1H, d, J=2.7Hz), 7.84(1H, d, J=8.7Hz), 7.72(1H, dd, J=8.7Hz, J=2.7Hz), 7.52-7.44(1H, m), 7.35-7.29(3H, m), 7.20(1H, dt, J=8.7Hz, J=2.7Hz), 5.28(2H, s), 3.22(2H, q, J=7.2Hz), 1.17(3H, t, J=7.2Hz)
VII-3		($CDCl_3$) 8.76(1H, s), 8.65(1H, brs), 8.29(1H, d, J=9.0Hz), 7.97(1H, d, J=8.4Hz), 7.88(1H, brs), 7.52(1H, d, J=9.0Hz), 7.40-7.33(1H, m), 7.25-7.19(3H, m), 7.05-6.97(2H, m), 5.16(2H, s), 3.72-3.63(1H, m), 1.28(3H, d, J=1.8Hz), 1.26(3H, d, J=1.8Hz)
VII-4		10.34(1H, s), 9.23(1H, s), 8.66(1H, s), 8.44(1H, dd, J=9 Hz, J=1.5Hz), 7.99(1H, d, J=2.7Hz), 7.88(1H, d, J=8.7Hz), 7.72(1H, dd, J=9 Hz, J=2.4Hz), 7.43-7.52(1H, m), 7.14-7.36(4H, m), 5.28(2H, s), 2.28(3H, s)
VII-5		10.14(1H, s), 8.98(1H, s), 8.67(1H, s), 8.11(1H, dd, J=8.7 Hz, J=0.9Hz), 7.98-7.82(4H, m), 7.78-7.58(4H, m), 7.52-7.43(1H, m), 7.36-7.14(4H, m), 5.26(2H, s)
VII-6		10.50(1H, s), 9.27(1H, s), 8.67(1H, s), 8.35(1H, d, J=9.3Hz), 7.99(1H, d, J=2.7Hz), 7.88(1H, brs), 7.70(1H, d, J=7.5Hz), 7.52-7.43(1H, m), 7.36-7.14(4H, m), 5.28(2H, s)
VII-8		10.36(1H, s), 9.26(1H, s), 8.67(1H, s), 8.44(1H, dd, J=8.7Hz, J=1.8Hz), 8.00(1H, d, J=2.4Hz), 7.91(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0Hz, J=2.4Hz), 7.51-7.44(1H, m), 7.35-7.28(3H, m), 7.22-7.15(1H, m), 5.27(2H, s), 4.55(2H, s).
VII-9		10.4(1H, s), 9.24(1H, s), 8.67(1H, s), 8.46(1H, d, J=8.7Hz), 8.01(1H, d, J=2.7Hz), 7.90(1H, d, J=8.7Hz), 7.70-7.80(1H, m), 7.44-7.54(1H, m), 7.15-7.40(4H, m), 5.27(2H, s), 2.64(2H, t, J=6.9Hz), 1.63-1.75(2H, m), 1.05(3H, t, J=7.5Hz)
VII-10		10.34(1H, s), 9.24(1H, s), 8.67(1H, s), 8.42(1H, d, J=8.4Hz), 7.99(1H, s), 7.88(1H, d, J=8.7Hz), 7.73(1H, d, J=9.0Hz), 7.48-7.44(1H, m), 7.34-7.27(3H, m), 7.21-7.16(1H, m), 5.27(2H, s), 4.76(2H, s), 0.94(9H, s), 0.16(6H, s).

【００７４】

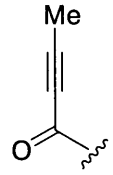
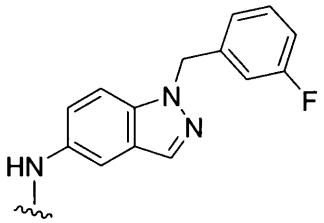
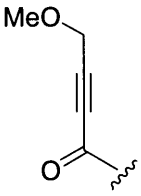
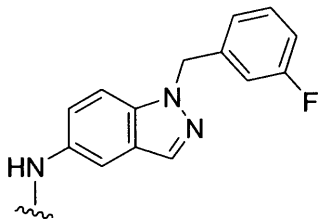
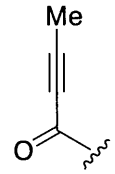
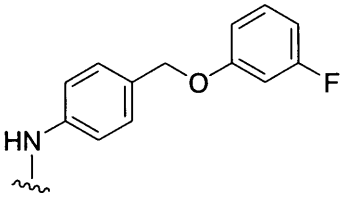
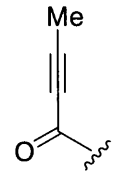
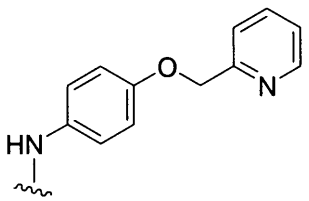
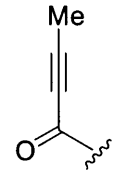
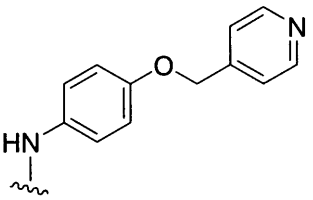
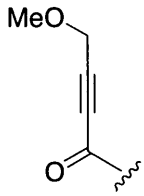
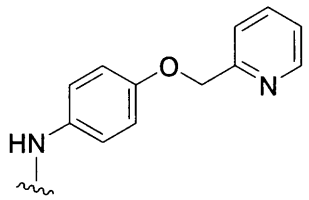
【化７０】



(VII)

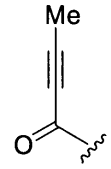
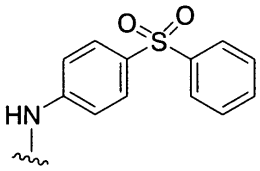
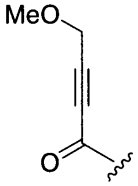
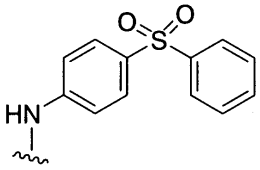
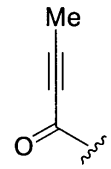
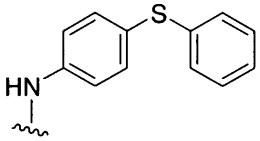
【００７５】

【表１３】

化合物No.	R^B	R^C	^{1}H-NMR(d_6-DMSO)
VII-11			10.44(1H, s), 9.24(1H, s), 8.60(1H, s), 8.43(1H, dd, J=2.4, 11.6Hz), 8.17(2H, s), 7.87(1H, d, J=12.0Hz), 7.78-7.67(2H, m), 7.41-7.34(1H, m), 7.14-7.04(3H, m), 5.72(2H, s), 2.28(3H, s)
VII-12			10.47(1H, s), 9.29(1H, d, J=1.8Hz), 8.62(1H, s), 8.43(1H, dd, J=1.5Hz, J=9.0Hz), 8.21-8.17(2H, m), 7.89(1H, d, J=8.7Hz), 7.78-7.68(2H, m), 7.41-7.33(1H, m), 7.15-7.04(3H, m), 5.71(2H, s), 4.55(2H, s), 3.42(3H, s).
VII-13			10.44(1H, s), 9.25(1H, s), 8.73(1H, s), 8.44(1H, d, J=8.8Hz), 8.16(1H, s), 7.89(1H, d, J=8.4Hz), 7.62(1H, d, J=8.4Hz), 7.34(1H, dd, J=8.4, 16.0Hz), 6.95-6.86(2H, m), 6.82-6.77(1H, m), 5.15(2H, s), 2.27(3H, s).
VII-14			10.34(1H, s), 9.22(1H, s), 8.64-8.59(2H, m), 8.43-8.41(1H, m), 7.98(1H, s), 7.87-7.85(2H, m), 7.71-7.68(1H, m), 7.59-7.58(1H,m), 7.40-7.34(1H, m), 7.29-7.27(1H, m), 5.30(2H, s).
VII-15			9.21(1H, s), 8.64-8.58(2H, m), 8.45-8.39(1H, m), 7.97(1H, s), 7.88-7.84(1H, m), 7.71-7.66(1H, m), 7.45-7.51(1H,m), 7.27-7.23(1H, m), 7.29-7.27(1H, m), 5.30(2H, s).
VII-16			10.35(1H, s), 9.24(1H, s), 8.67(1H, s), 8.60(1H, d, J=4.4Hz), 8.42(1H, d, J=8.8Hz), 8.01(1H, s), 7.91-7.87(2H, m), 7.73-7.71(1H, m), 7.59(1H, d, J=8.0Hz), 7.39-7.36(1H, m), 7.29(1H, d, J=8.8Hz), 5.31(2H, s), 4.55(2H, s), 3.42(3H, s).

【００７６】

【表１４】

化合物No.	R^B	R^C	^{1}H-NMR(d_6-DMSO)
VII-17			10.32 (1H, s), 8.85(1H, s), 8.74(1H, s), 8.20(2H, d, J=6.0Hz), 8.01-7.96(4H, m), 7.87(1H, d, J=6.0Hz), 7.68-7.64 (3H, m), 3.56(3H, s).
VII-18			10.52(1H, s), 9.14(1H, s), 8.60(1H, s), 8.31(1H, d, J=8.4Hz), 8.40(2H, d, J=8.4Hz), 7.84-7.78(5H, m), 7.52-7.43(3H, m), 4.37(2H, s), 3.24(3H, s).
VII-19			10.44(1H, s), 9.28(1H, s), 8.70(1H, s), 8.45(1H, d, J=8.8Hz), 7.92(3H, t, J=8.8Hz), 7.46(2H, d, J=8.8Hz), 7.37 (2H, t, J=7.6Hz), 7.30-7.26(3H, m), 4.24-4.20(2H, m), 2.28 (3H, s).

【００７７】

（第３工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-(1-モルホリノ)エトキシイミノ)エチル)キナゾリン(ＶＩＩ-１)の合成

化合物VII-1 100mgと2-(1-モルホリノ)エトキシアミン２塩酸塩78mgをテトラヒドロフランと水の混液6mL(２０：１)に溶かし、室温で終夜反応した。反応液を酢酸エチルで薄め、飽和炭酸水素ナトリウム水溶液で洗浄後、硫酸マグネシウム上で乾燥した。濃縮後、ヘキサンと酢酸エチルの混液(２：１)で固体を洗浄して、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-(1-モルホリノ)エトキシイミノ)エチル)キナゾリン(VIII-1)を72mg得た。

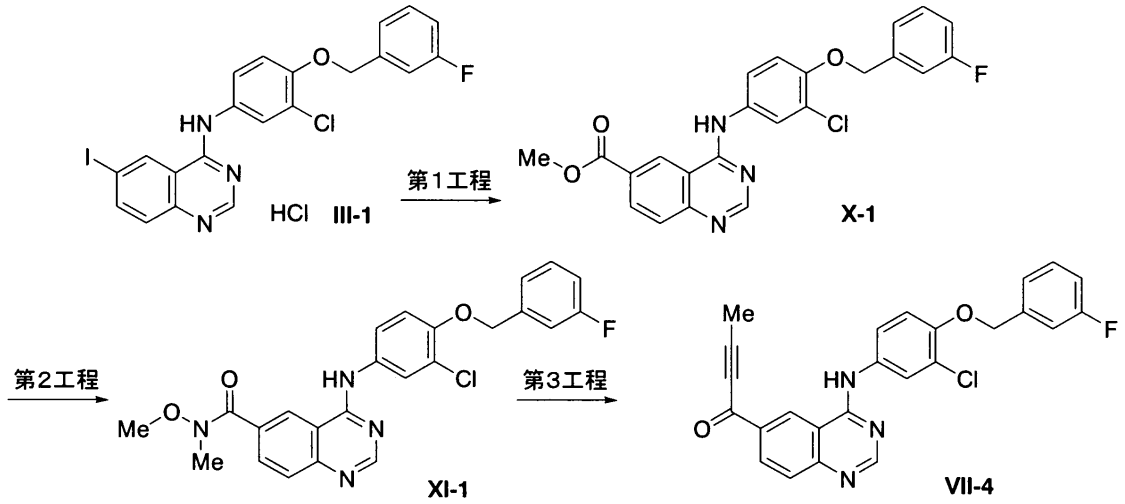
^{1}H NMR(d_6-DMSO, δ): 9.93(1H, s), 8.62(1H, brs), 8.58(1H, s), 8.22(1H, d, J=6.6Hz), 7.96(1H, d, J=1.8Hz), 7.76(1H, d, J=6.6Hz), 7.70(1H, dd, J=6.6Hz, J=1.8Hz), 7.51-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.0Hz), 5.27(2H, s), 4.33(2H, t, J=6.0Hz), 3.5 9(4H, t, J=4.5Hz), 2.69(2H, t, J=6.0Hz), 2.47(4H, t, J=4.5Hz), 2.36(3H, s)

【００７８】

参考例１

ケトン誘導体（VII）を得る方法として、実施例７の第１工程、第２工程の他に以下の方法が挙げられる。

【化７１】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メチルエステル(X- １)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ヨードキナゾリン塩酸塩(III-1, 20g)とジクロロビス(トリフェニルホスフィン)パラジウム1.29gをジメチルホルムアミド200mlおよびメタノール200mlの混合液に溶かし、トリエチルアミン25.7mlを加えた。反応容器内を十分に一酸化炭素ガスで置換した後、一酸化炭素雰囲気下80℃で15時間反応した。反応液をセライトでろ過し、ろ液を撹拌しながら0℃に冷却した。析出物をろ取して冷メタノールで洗浄後乾燥することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メチルエステル(X-1, 13.5g)を無色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 10.26(1H, s), 9.25(1H, d, J=1.5Hz), 8.65(1H, s), 8.31(1H, dd, J=1.5Hz, J=8.7Hz), 8.02(1H, d, J=2.7Hz), 7.85(1H, d, J=2.7Hz), 7.77(1H, dd, J=2.7Hz, J=8.7Hz), 7.49-7.44(1H, m), 7.35-7.27(3H, m), 7.20-7.16(1H, m), 5.27(2H, s), 3.96(3H, s).

【００７９】

（第２工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(X Ｉ - １)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メチルエステル(X- 1, 11.6g)をテトラヒドロフラン(230ml)に溶かし、N、O-ジメチルヒドロキシルアミン塩酸塩(7.8g)を加え、氷冷下２mol/L iPrMgClテトラヒドロフラン溶液(79.8ml)を30分かけて滴下した．滴下終了後20分間、氷冷下で撹拌し、反応終了後に飽和塩化アンモニウム水溶液200mlを加えた．混合液に水100mlを加えた後、酢酸エチルで抽出し、有機層を硫酸ナトリウム上で乾燥した。ろ液を濃縮することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(X Ｉ - 1, 12.7g)を淡黄色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 10.01(1H, s), 8.79(1H, d, J=1.5Hz), 8.64(1H, s), 8.05(1H, d, J=2.7Hz), 8.00(1H, dd, J=1.5Hz, J=8.7Hz), 7.81(1H, d, J=8.7Hz), 7.76(1H, dd, J=2.7Hz, J=8.7Hz), 7.52-7.44(1H, m), 7.35-7.26(3H, m), 7.22-7.16(1H, m), 5.27(2H, s), 3.57(3H, s), 3.34(3H, s).

【００８０】

（第３工程）4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-オキソ-2-ブチン-1-イル)キナゾリン(VII - ４)の合成

-78℃に冷却したN,N-ジイソプロピルアミン4.22mlのテトラヒドロフラン(25ml)溶液に1.6mol/L n-BuLiヘキサン溶液18.8mlを滴下した。滴下終了後0℃まで昇温して0℃で20分間撹拌して再び-78℃まで冷却した。2-ブロモ-1-プロペン1.33mlのテトラヒドロフラン(25m

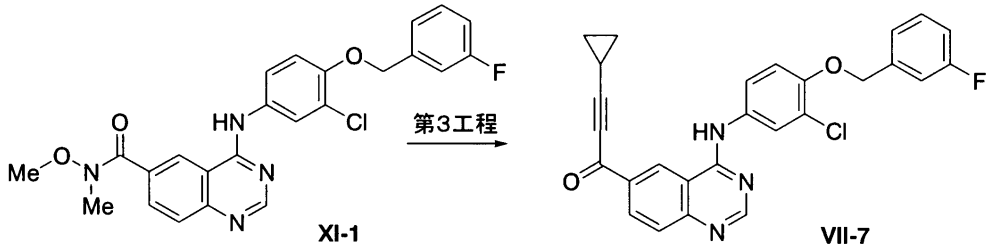
l)溶液を加え-78℃で2時間攪拌した。この溶液に4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(XI-1, 2.33g)のテトラヒドロフラン(50ml)溶液を滴下し、滴下終了後に0℃まで昇温し3時間攪拌した。反応終了後に反応液を氷水中に注ぎ2mol/L 塩酸水溶液で中和後、酢酸エチルで抽出した。有機層を硫酸ナトリウム上で乾燥し、ろ液を濃縮して得られた結晶性残渣を塩化メチレンで洗浄することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-オキソ-2-ブチン-1-イル)キナゾリン (VII-4, 1.71g)を黄色固体として得た。

【００８１】

参考例２

参考例１の第３工程の他の方法として、以下に示す方法が挙げられる。

【化７２】



（第３工程）4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-オキソ-2-プロピン-3-シクロプロピル- 1-イル)キナゾリン(VII-7)の合成

-78℃に冷却したエチニルシクロプロパン0.16mlのテトラヒドロフラン(3ml)溶液に1.54mol/L n-BuLiヘキサン溶液1.25mlを滴下した。滴下終了後、-78℃で1時間攪拌した。この溶液に4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(XI-1, 300mg)のテトラヒドロフラン(3ml)溶液を滴下し、滴下終了後に0℃まで昇温し3時間攪拌した。反応終了後に反応液に水10ml、酢酸エチル10mlを加え、分液操作を行った。水層を酢酸エチル10mlで2回再抽出後、すべての有機層を合わせて硫酸ナトリウム上で乾燥し、ろ液を濃縮した。残渣をシリカゲルカラムクロマトグラフィーで精製することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-オキソ-2-プロピン-3-シクロプロピル- 1-イル)キナゾリン(VII-7, 265mg)を黄色固体として得た。

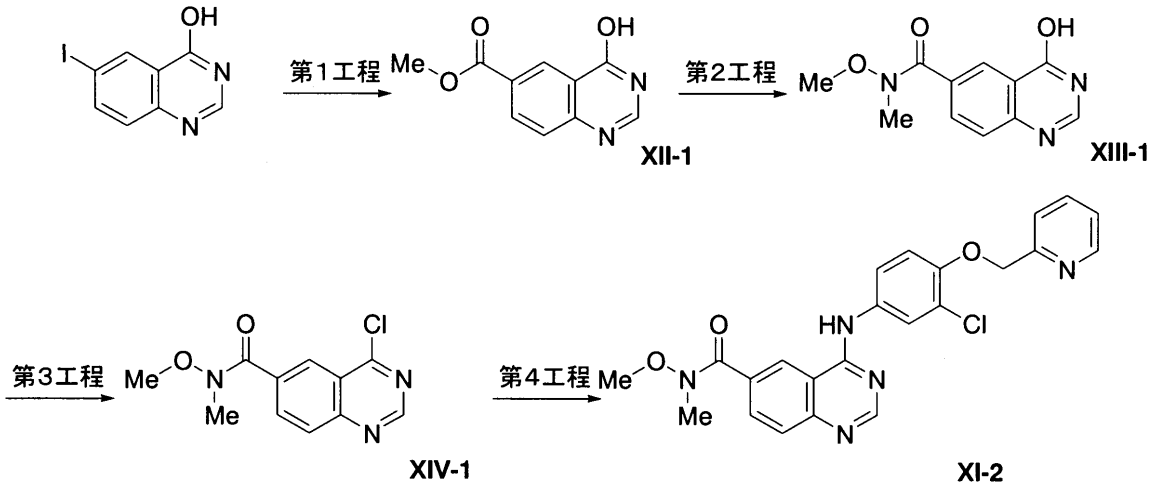
^{1}H NMR(d_6-DMSO, δ): 10.4(1H, s), 9.21(1H, s), 8.67(1H, s), 8.41(1H, d, J=8.7Hz), 8.01(1H, d, J=2.7Hz), 7.88(1H, d, J=8.7Hz), 7.73(1H, dd, J=8.7Hz, J=3Hz), 7.40-7.52(1H, m), 7.15-7.4(4H, m), 5.28(2H, s), 1.77-1.87(1H, m), 1.05-1.20(3H, m).

【００８２】

参考例３

アミド誘導体（XI）を得る方法として、参考例１の第１工程、第２工程の他に以下の方法が挙げられる。

【化７３】



（第１工程）　4-ヒドロキシキナゾリン-6-カルボン酸メチルエステル(X II - 1)の合成

4-ヒドロキシ-6-ヨードキナゾリン(250mg)と触媒量の酢酸パラジウム(II)および1,3-ビス(ジフェニルホスフィノ)プロパンをN,N-ジメチルホルムアミド(3.8ml)、メタノール(1.5ml)に溶かし、トリエチルアミン1.5mlを加えた。反応容器内を十分に一酸化炭素ガスで置換した後、一酸化炭素雰囲気下80℃で20時間反応した。反応終了後、10%クエン酸水溶液に注ぎ、酢酸エチルで抽出した。有機層を水で洗浄後、硫酸ナトリウム上で乾燥し、ろ液を濃縮した。得られた残渣をシリカゲルカラムクロマトグラフィー（酢酸エチルで溶出）により精製し、4-ヒドロキシキナゾリン-6-カルボン酸メチルエステル(X II - 1, 157 mg)を褐色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 12.48(1H、 s), 8.63(1H, s), 8.26(1H, d, J=8.4Hz), 8.19(1H, s), 7.73(1H, d, J=8.4Hz).

【００８３】

（第２工程）　4-ヒドロキシキナゾリン-6-カルボン酸メトキシメチルアミド(X III - 1)の合成

4-ヒドロキシキナゾリン-6-カルボン酸メチルエステル(X II - 1, 4.0g)をテトラヒドロフラン(120ml)に溶かし、N,O-ジメチルヒドロキシルアミン塩酸塩(5.7g)を加え、氷冷下２mol/L iPrMgClテトラヒドロフラン溶液(59ml)を30分かけて滴下した。滴下終了後30分間、氷冷下で攪拌し、反応終了後に2mol/L塩酸40mlを滴下した。混合液を飽和炭酸水素ナトリウム水溶液で中和後、クロロホルムで抽出し、有機層を食塩水で洗浄後に硫酸ナトリウム上で乾燥した。濃縮後、結晶性残渣をシリカゲルカラムクロマトグラフィー（酢酸エチル：メタノール＝９：１で溶出）により精製して4-ヒドロキシキナゾリン-6-カルボン酸メトキシメチルアミド(X III - 1, 2.9g)を白色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 12.42(1H、 s), 8.36(1H, s), 8.18(1H, s), 8.02(1H, d, J=8.4Hz), 7.73(1H, d, J=8.4Hz), 3.57(3H, s), 3.32(3H, s).

【００８４】

（第３工程）　4-クロロキナゾリン-6-カルボン酸メトキシメチルアミド(X IV - 1)の合成

4-ヒドロキシキナゾリン-6-カルボン酸メトキシメチルアミド(X III - 1, 2.9g)をトルエン(57ml)に懸濁させ、トリエチルアミン6.8mlおよびオキシ塩化リン3.4mlを加え、130℃で30分間攪拌した。反応終了後に室温まで冷却後、飽和炭酸水素ナトリウム水溶液50mlおよび酢酸エチルを加えた。水層がpH８を示すまで炭酸水素ナトリウムを加え、酢酸エチルで抽出した。有機層を飽和炭酸水素ナトリウム水溶液で洗浄後に硫酸ナトリウム上で乾燥した。濃縮後、結晶性残渣をジエチルエーテルにより洗浄後、乾燥して4-クロロキシキナゾリン-6-カルボン酸メトキシメチルアミド(X IV - 1, 2.3g)を白色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 8.75(1H、 s), 8.36(1H, s), 8.11(1H, dd, J=2.0Hz, J=8.4Hz),

7.87(1H, d, J=8.4Hz), 3.56(3H, s), 3.32(3H, s).

【００８５】

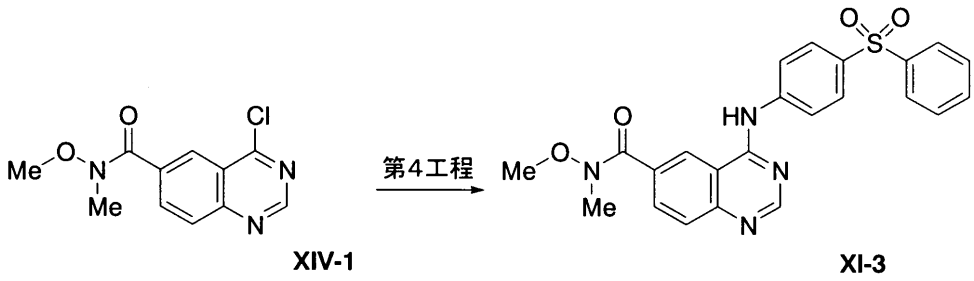
（第４工程）4-(3-クロロ-4-(ピリジン-2-イルメトキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド（ＸＩ－２）の合成

4-クロロナゾリン-6-カルボン酸メトキシメチルアミド(X IV - 1, 5.78g)をテトラヒドロフラン(100ml)に溶解させ、3-クロロ-4-(ピリジン-2-イルメトキシ)アニリン5.39gを加え、60℃で1時間攪拌した。析出物を濾取し，テトラヒドロフランで洗浄することにより4-(3-クロロ-4-(ピリジン-2-イルメトキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(ＸＩ－2, 7.87g)を白色固体として得た。濾液を室温で静置して得られた析出物を濾取することにより新たにＸＩ－2を2.21g得た。

^{1}H NMR(d_6-DMSO, δ): 10.02(1H, s), 8.79(1H, s), 8.62-8.59(2H, m), 8.04(1H, s), 8.00-7.98(1H, m), 7.90-7.86(1H, s), 7.80-7.78(1H, m), 7.75-7.73(1H, m), 7.59-7.57(1H,m), 7.37-7.35(1H, m), 7.28-7.26(1H, m), 5.29(2H, s), 3.57(3H, s).

【００８６】

【化７４】



XIV-1　　XI-3

参考例４

参考例３の第４工程の他の方法として、以下に示す方法が挙げられる。

（第４工程）4-(4-ベンゼンスルホニルフェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド（ＸＩ－３）の合成

4-クロロナゾリン-6-カルボン酸メトキシメチルアミド(X IV - 1, 550mg)、4-ベンゼンスルホニルフェニルアミン611mg、酢酸パラジウム(II) 49mg、Xant phos 190mgおよび炭酸セシウム997mgを1,4-ジオキサン(30ml)に加え、反応容器内を窒素ガスで置換後、100℃で2.5時間攪拌した。反応溶液をセライトろ過して，ろ液に水を加えて酢酸エチルで抽出した。有機層を飽和食塩水で洗浄後に硫酸ナトリウム上で乾燥した。ろ液を濃縮後、残渣をシリカゲルカラムクロマトグラフィー（酢酸エチル：メタノール＝95：5で溶出）により精製して4-(4-ベンゼンスルホニルフェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(ＸＩ－3, 651mg)を淡黄色固体として得た。

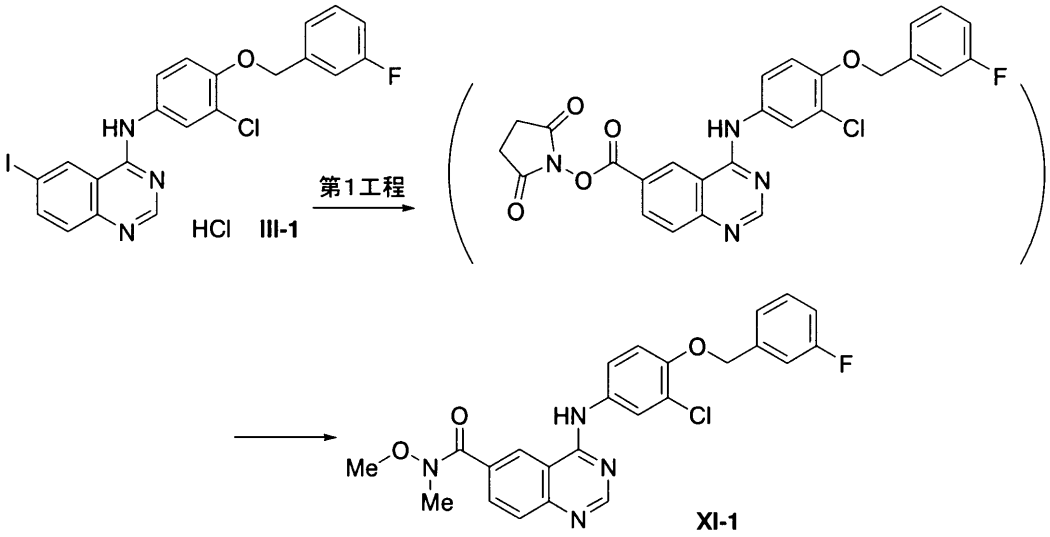
^{1}H NMR(d_6-DMSO, δ): 10.66(1H, s), 9.29(1H, s), 8.80(1H, s), 8.48(1H, d, J=7.7Hz), 8.16(2H, d, J=7.7Hz), 7.99-7.94(5H, m), 7.80-7.61 (3H, m), 2.27 (3H, s).

【００８７】

参考例５

アミド誘導体（XI）を得る方法として、参考例１の第１工程、第２工程および参考例３の他にさらに以下の方法が挙げられる。

【化７５】



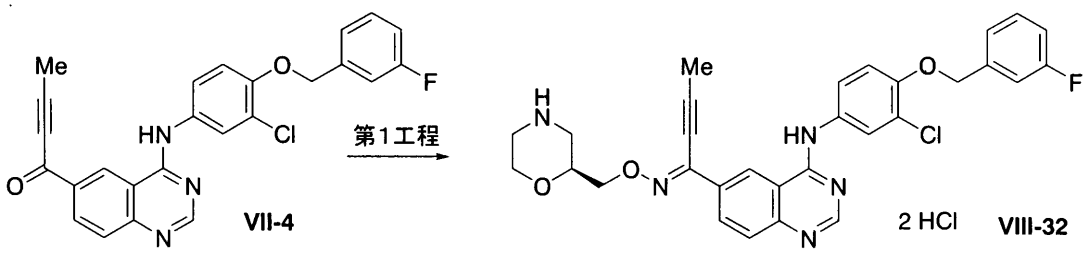
（第１工程）4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(ＸＩ－１)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ヨードキナゾリン塩酸塩(III-1，500mg)とジクロロビス(トリフェニルホスフィン)パラジウム32mg、N-ヒドロキシスクシンイミド191mgをジメチルホルムアミド10mlに溶かし、トリエチルアミン360μlを加えた。反応容器内を十分に一酸化炭素ガスで置換した後、一酸化炭素雰囲気下80℃で3時間反応した。反応液の五分の一に40%N，O-ジメチルヒドロキシルアミン水溶液0.3mlを加え室温で一夜攪拌した。反応終了後、反応液に水を加えて酢酸エチルで抽出した。有機層を水、飽和食塩水の順で洗浄し、硫酸ナトリウム上で乾燥した。ろ液の濃縮残渣をシリカゲルカラムクロマトグラフィー(酢酸エチルで溶出)により精製することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(ＸＩ－1，74mg)を淡黄色固体として得た。

【００８８】

実施例８

【化７６】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-((S)-モルホリン-2-イルメトキシイミノ)-2-ブチン-1-イル)キナゾリン　二塩酸塩(VIII-32)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-オキソ-2-ブチン-1-イル)キナゾリン(VII-4，786mg)と(S)-2-アミノオキシメチル-モルホリン-4-カルボン酸tert-ブチルエステル614mgの1,4-ジオキサン31ml懸濁液に、2mol/Lメタンスルホン酸水溶液2.21mlを加えて80℃で22時間撹拌した。2mol/Lメタンスルホン酸水溶液1.32mlを追加してさらに5.5時間撹拌した。反応終了後、反応液を氷-炭酸水素ナトリウム水溶液中に注ぎ、酢酸エチルで抽出した。水層を酢酸エチルで再抽出後、すべての有機層を合わせて水洗後、無水硫酸マグネシウム上で乾燥した。ろ液を濃縮後、残渣をシリカゲルカラムクロマトグラフィー（クロロホルム：メタノール＝9：1で溶出）で精製することにより黄色油

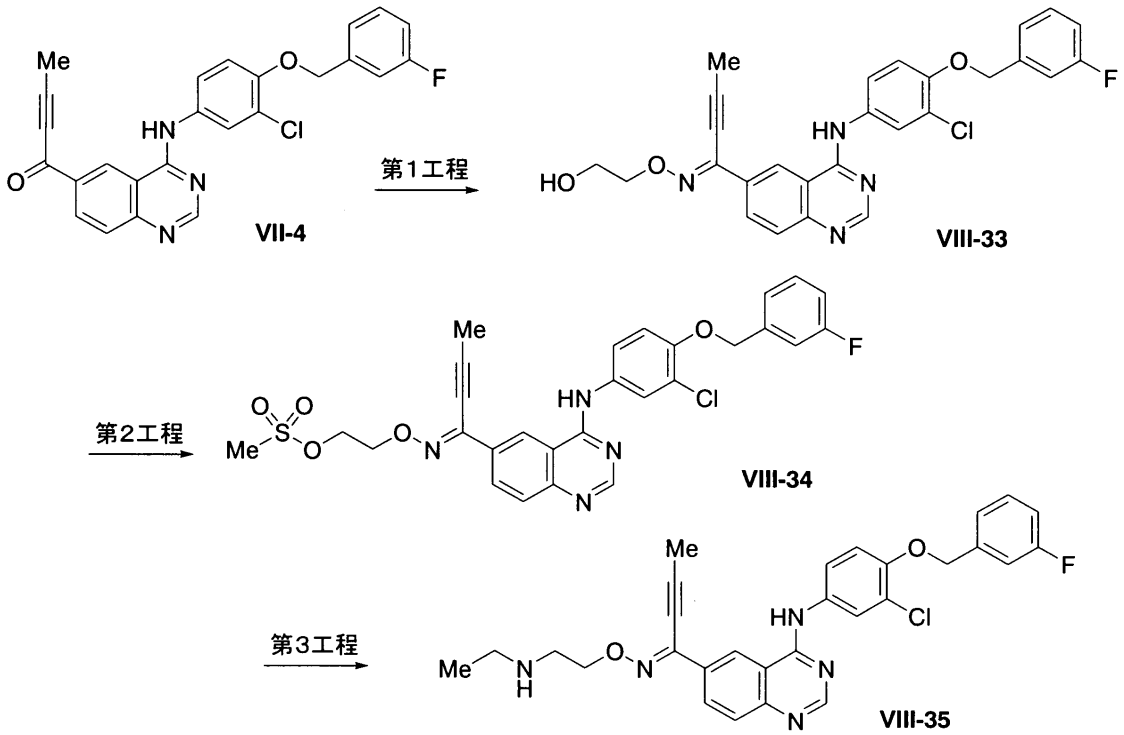
状物を得た。この油状物を酢酸エチル50mlに溶解させてろ過後、撹拌しながら4mol/L塩酸-酢酸エチル溶液0.95mlを加え、室温で1時間撹拌した。析出物をろ取後、酢酸エチル、ヘキサンの順で洗浄した。ろ取物をメタノール-酢酸エチルにより再結晶をすることにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-((S)-モルホリン-2-イルメトキシイミノ)-2-ブチン-1-イル)キナゾリン 二塩酸塩(VI II-32, 839mg)を黄色結晶として得た。

^{1}H NMR(d_6-DMSO, δ): 11.69(1H, bs), 9.49-9.37(2H, m), 9.05(1H, s), 8.88(1H, s), 8.38(1H, dd, J=1.5Hz, J=8.7Hz), 7.96(1H, d, J=8.7Hz), 7.89(1H, d, J=2.7Hz), 7.64(1H, dd, J=2.4Hz, J=9.0Hz), 7.52-7.45(1H, m), 7.36-7.30(3H, m), 7.23-7.16(1H, m), 5.31(2H, s), 4.36-4.34(1H, m), 4.25-4.22(1H, m), 4.04-3.98(1H, m), 3.84-3.77(1H, m), 3.04-2.85(3H, m), 2.28(3H, s).

【００８９】

実施例９

【化７７】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-ヒドロキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン (VIII-33)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-オキソ-2-ブチン-1-イル)キナゾリン(VII-4, 10g)を1,4-ジオキサン300mlに溶解させ、1.5当量の2-(アセトキシ)エトキシアミンを加えた後、2mol/Lメタンスルホン酸水溶液28mlを加えて60℃で17時間撹拌した。反応液を飽和炭酸水素ナトリウム水溶液に注ぎ、混合液を酢酸エチルで抽出した。有機層を水洗後、硫酸ナトリウム上で乾燥した。ろ液を濃縮した残渣を含水エタノール-水より再結晶後、ろ取、乾燥することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-ヒドロキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-33, 7.6g)を無色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 10.07(1H, s), 8.74(1H, s), 8.58(1H, s), 8.22(1H, d, J=8.8Hz), 7.96(1H, d, J=2.4Hz), 7.80(1H, d, J=8.8Hz), 7.69(1H, dd, J=2.4Hz, J=8.8Hz), 7.50-7.45(1H, m), 7.35-7.24(3H, m), 7.20-7.16(1H, m), 5.27(2H, s), 4.79(1H, t. J=5.6Hz), 4.29(2H, t. J=5.6Hz), 3.75(2H, dd, J=5.2Hz, J=10.4Hz), 2.26(3H, s).

【００９０】

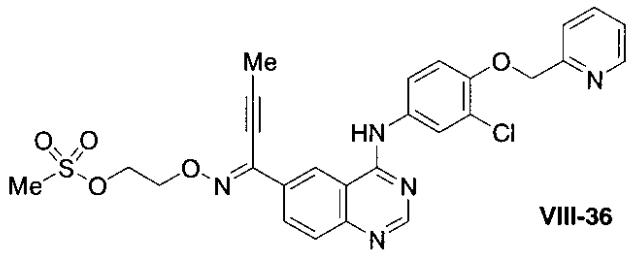
（第２工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-ス

ルホニルオキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-34)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-ヒドロキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-33, 7.6g)をテトラヒドロフラン150mlに溶かし、トリエチルアミン4.19mlと塩化メタンスルホニル2.33mlを加え3.5時間攪拌した。反応終了後に反応液を水に注ぎ、飽和炭酸水素ナトリウム水溶液を加えて、酢酸エチルで抽出した。有機層を硫酸ナトリウム上で乾燥し、ろ液を濃縮した。濃縮残渣に酢酸エチルを加え室温で静置すると結晶が析出したのでヘキサンで希釈後、結晶をろ取することによ4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-スルホニルオキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-34, 7.66g)を淡黄色結晶として得た。

^{1}H NMR(d_6-DMSO, δ): 10.07(1H, s), 8.77(1H, s), 8.60(1H, s), 8.24(1H, d, J=8.8Hz), 7.97(1H, d, J=2.4Hz), 7.81(1H, d, J=8.8Hz), 7.69(1H, dd, J=2.4Hz, J=8.8Hz), 7.51-7.45(1H, m), 7.35-7.27(3H, m), 7.21-7.17(1H, m), 5.27(2H, s), 4.58(2H, t. J=4.8Hz), 4.54(2H, t. J=4.8Hz), 3.24(3H, s), 2.27(3H, s).

【化７８】



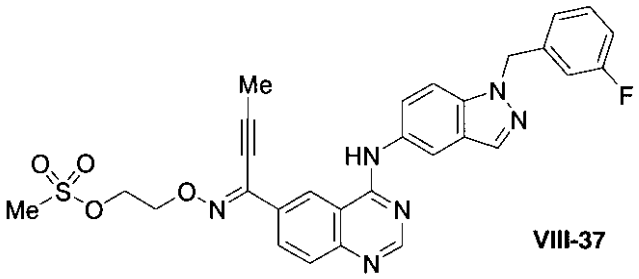
VIII-36

4-(3-クロロ-4-(ピリジン-2-イルメトキシ)フェニルアミノ)-6-(1-(2-スルホニルオキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-36)

第１工程および第２工程と同様の方法で合成した。

^{1}H NMR(d_6-DMSO, δ): 10.09(1H, s), 8.77(1H, s), 8.61(1H, s), 8.59(1H, s), 8.24(1H, d, J=8.1Hz), 7.97(1H, d, J=2.4Hz), 7.89(1H, t, J=7.5Hz), 7.81(1H, d, J=9.0Hz), 7.68(1H, dd, J=2.4Hz, J=9.0Hz), 7.59(1H, d, J=8.1Hz), 7.40-7.35(1H, m), 7.29(1H, d, J=9.0Hz), 5.31(2H, s), 4.57(2H, bs), 4.55(2H, bs), 3.24(3H, s), 2.27(3H, s).

【化７９】



VIII-37

4-(1-(3-フルオロベンジル)-1H-インダゾール-5-イルアミノ)-6-(1-(2-スルホニルオキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-37)

第１工程および第２工程と同様の方法で合成した。

^{1}H NMR(d_6-DMSO, δ): 10.20(1H, s), 8.81(1H, s), 8.53(1H, s), 8.24(1H, d, J=8.7Hz), 8.17(1H, s), 8.13(1H, s), 7.80(1H, d, J=8.7Hz), 7.75(1H, d, J=8.7Hz), 7.67(1H, d, J=9.3Hz), 7.41-7.36(1H, m), 7.14-7.04(3H, m), 5.72(2H, s), 4.58(2H, t. J=5.4Hz), 4.54(2H, t. J=5.4Hz), 3.24(3H, s), 2.26(3H, s).

（第３工程） 4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-エ

チルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-35)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-スルホニルオキシエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-34, 100mg)をN,N-ジメチルホルムアミド3mlに溶解し、70%エチルアミン水溶液を160μl加え、60℃で14時間攪拌した。反応液に水を加え、酢酸エチルで抽出した。有機層を硫酸マグネシウム上で乾燥し、ろ液の濃縮残渣をアミノカラムを用いたクロマトグラフィー(酢酸エチルで溶出)により精製することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(1-(2-エチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-35, 53mg)を無色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 10.08(1H, s), 8.74(1H, s), 8.59(1H, s), 8.21(1H, d, J=8.4Hz), 7.96(1H, s), 7.80(1H, d, J=8.8Hz), 7.69(1H, d, J=8.0Hz), 7.51-7.45(1H, m), 7.35-7.27(3H, m), 7.21-7.16(1H, m), 5.27(2H, s), 4.31(2H, t. J=5.6Hz), 2.89(2H, t, J=6.0Hz), 2.61(2H, q, J=7.2Hz), 2.26(3H, s), 1.02(3H, t, J=7.6Hz).

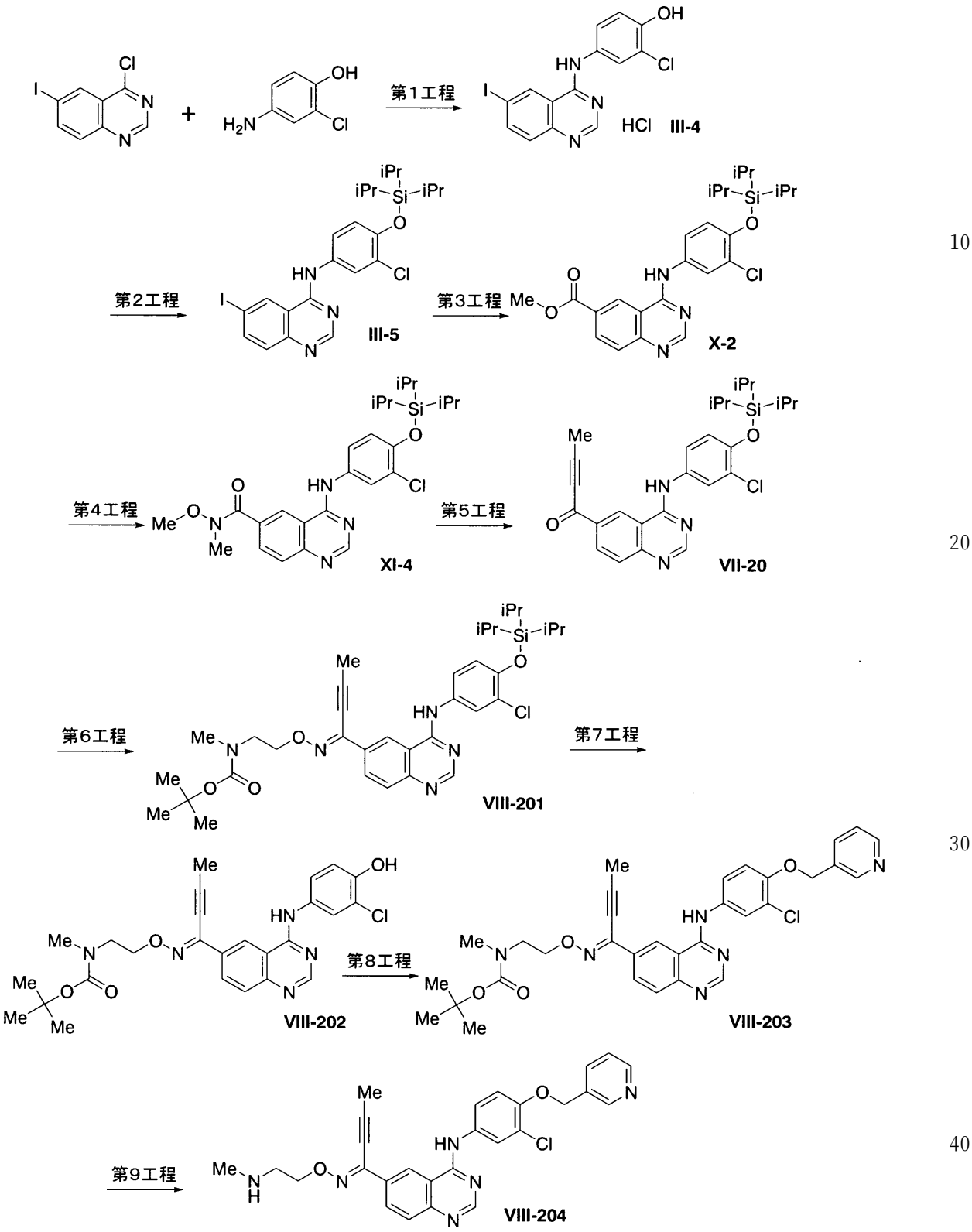
【００９１】

第３工程のアミノ化では市販品として入手可能であるアミンまたはJ. Syn. Org. Chem., Jpn., 2001, 59 : 779 -789.、Tetrahedron Lett., 1995, 36 : 6373-6374.、Synlett, 1999 : 1301-1303.、Tetrahedron, 2002, 58 : 6267-6276.に記載の方法に従って合成できるアミンまたはその塩を使用できる。

【００９２】

実施例１０

【化８０】



（第１工程）　4-(3-クロロ-4-ヒドロキシフェニルアミノ)-6-ヨードキナゾリン（ III - 4)の合成

4-クロロ-6-ヨードキナゾリン20.3gおよび3-クロロ-4-ヒドロキシアニリン10gを出発原料として実施例１の第１工程と同様にして4-(3-クロロ-4-ヒドロキシフェニルアミノ)-6-ヨードキナゾリン塩酸塩(III - 4, 26.6g)を黄色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 11.4(1H, s), 10.5(1H, s), 9.21(1H, s), 8.93(1H, s), 8.35(1H

, d, J=8.4Hz), 7.79(1H, s), 7.69(1H, d, J=9.0Hz), 7.48(1H, d, J=9.0Hz), 7.10(1H, d, J=8.4Hz).

【００９３】

（第２工程）　4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-ヨードキナゾリン（ III - 5)の合成

4-(3-クロロ-4-ヒドロキシフェニルアミノ)-6-ヨードキナゾリン塩酸塩(III-4, 20g)、塩化トリイソプロピルシラン13.3g、イミダゾール12.6gをN,N-ジメチルホルムアミド200mlに溶解させ、室温で4時間撹拌した。反応終了後、飽和炭酸水素ナトリウム水溶液200mlおよび酢酸エチル200mlを加えて分液操作を行った。水層を酢酸エチル200mlで再抽出を2回繰り返した後、すべての有機層を合わせて水、飽和食塩水の順で洗浄し、無水硫酸マグネシウム上で乾燥した。ろ液を濃縮後、残渣をヘキサン-酢酸エチル混合液（２：１）で洗浄することにより4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-ヨードキナゾリン（ III-5, 25.3g)を無色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 9.8(1H, s), 8.96(1H, s), 8.62(1H, s), 8.12(1H, d, J=8.7Hz), 8.02(1H, d, J=2.7Hz), 7.70(1H, dd, J=8.7Hz, J=2.7Hz), 7.56(1H, d, J=8.7Hz), 7.04(1H, d, J=8.7Hz), 1.25-1.40(3H, m), 1.11(18H, d, J=7.2Hz).

（第３工程）　4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-キナゾリン-6-カルボン酸メチルエステル (X-2)の合成

4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-ヨードキナゾリン(I II-5, 21.8g)より参考例１の第１工程と同様にして4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-キナゾリン-6-カルボン酸メチルエステル(X- 2, 20.4g)を黄色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 10.2(1H, s), 9.26(1H, s), 8.66(1H, s), 8.30(1H, d, J=8.7Hz), 8.01(1H, d, J=2.4Hz), 7.84(1H, d, J=8.7Hz), 7.71(1H, dd, J=9Hz, J=2.1Hz), 7.04(1H, d, J=8.7Hz), 3.96(3H, s), 1.29-1.41(3H, m), 1.11(18H, d, J=7.2Hz).

（第４工程）　4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド (X Ｉ - 4)の合成

4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-キナゾリン-6-カルボン酸メチルエステル(X- 2, 10g)より参考例１の第２工程と同様にして4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(X Ｉ - 4, 4.1g)を無色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 10.0(1H, s), 8.80(1H, s), 8.65(1H, s), 7.97-8.08(2H, m), 7.81(1H, d, J=8.7Hz), 7.70-7.75(1H, m), 7.04(1H, d, J=9.0Hz), 3.58(3H, s), 3.35(3H, s), 1.29-1.41(3H, m), 1.11(18H, d, J=7.5Hz).

（第５工程）　4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-(1-オキソ-2-ブチン-1-イル)キナゾリン(VII - 20)の合成

4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-キナゾリン-6-カルボン酸メトキシメチルアミド(X Ｉ - 4, 4.1g)より参考例１の第３工程と同様にして4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-(1-オキソ-2-ブチン-1-イル)キナゾリン(VII - 20, 1.3g)を黄色油状物として得た。

^{1}H NMR(d_6-DMSO, δ): 10.3(1H, s), 9.24(1H, s), 8.67(1H, s), 8.45(1H, d, J=8.7Hz), 7.99(1H, s), 7.88(1H, s, J=8.7Hz), 7.68(1H, d, J=9.0Hz), 7.06(1H, d, J=9.0Hz), 2.28(3H, s), 1.29-1.41(3H, m), 1.11(18H, d, J=6.9Hz).

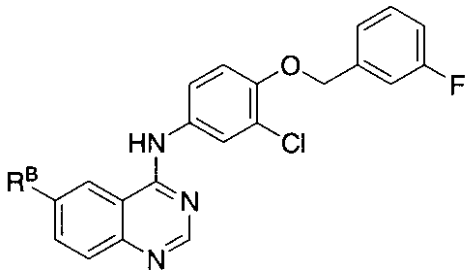
（第６工程）　4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 201)の合成

4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-(1-オキソ-2-ブチン-1-イル)キナゾリン(VII - 20, 1.3g)より実施例２の第２工程と同様にして4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 201, 1.1g)を

黄色固体として得た。
ESI-MS(m/z): (M+)=666.71, (M+H)=667.73
（第７工程） 4-(3-クロロ-4-ヒドロキシフェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 202)の合成
4-(3-クロロ-4-トリイソプロピルシリルオキシフェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 201, 1.1g)をテトラヒドロフラン20mlに溶解させ、1mol/Lフッ化テトラブチルアンモニウムテトラヒドロフラン溶液を6.7ml加え室温で30分撹拌した。反応終了後、水10mlおよび酢酸エチル10mlを加えて分液操作を行った。水層を酢酸エチル10mlで再抽出を2回繰り返した後、すべての有機層を合わせて水、飽和食塩水の順で洗浄し、無水硫酸マグネシウム上で乾燥した。ろ液を濃縮後、残渣をヘキサン-酢酸エチル混合液（１：１）で洗浄することにより4-(3-クロロ-4-ヒドロキシフェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン (VIII- 202, 0.7g)を黄色固体として得た。
^{1}H NMR(d_6-DMSO, δ): 9.96(1H, s), 8.73(1H, s), 8.55(1H, s), 8.21(1H, d, J=8.7Hz), 7.75-7.86(2H, m), 7.50(1H, d, J=7.8Hz), 7.00(1H, d, J=8.7Hz), 4.36(2H, bs), 3.56(2H, bs), 2.86(3H, bs), 2.25(3H, bs), 1.36(9H, s).
（第８工程） 4-(3-クロロ-4-(ピリジン-3-イルメトキシ)フェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 203)の合成
4-(3-クロロ-4-ヒドロキシフェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン- 1-イル)キナゾリン (VIII- 202, 70mg)、3-ブロモメチルピリジン臭化水素酸塩87mg、炭酸セシウム223mgをN,N-ジメチルホルムアミド-水混合液（１０：１）1.1ｍｌに溶解させ、室温で3時間撹拌させた。反応終了後、水5mlおよび酢酸エチル5mlを加えて分液操作を行った。水層を酢酸エチル5mlで再抽出を2回繰り返した後、すべての有機層を合わせて水、飽和食塩水の順で洗浄し、無水硫酸マグネシウム上で乾燥した。ろ液を濃縮後、残渣をシリカゲルカラムクロマトグラフィー（ヘキサン：酢酸エチル＝１：１で溶出）で精製することにより4-(3-クロロ-4-(ピリジン-3-イルメトキシ)フェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン (VIII- 203, 70mg)を黄色油状物として得た。
^{1}H NMR(d_6-DMSO, δ): 10.0(1H, bs), 8.74(1H, bs), 8.72(1H, bs), 8.60(1H, s), 8.57(1H, d, J=4.4Hz), 8.23(1H, d, J=8.8Hz), 7.97(1H, bs), 7.91(1H, d, J=8.0Hz), 7.80(1H, d, J=8.8Hz), 7.72(1H, d, J=8.8Hz), 7.46(1H, dd, J=7.6Hz, J=4.4Hz), 7.33(1H, d, J=8.8Hz), 5.29(2H, s), 4.37(2H, bs), 3.56(2H, bs), 2.86(3H, bs), 2.25(3H, bs), 1.36(9H, s).
（第９工程） 4-(3-クロロ-4-(ピリジン-3-イルメトキシ)フェニルアミノ)-6-(1-(2-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 204)の合成
4-(3-クロロ-4-(ピリジン-3-イルメトキシ)フェニルアミノ)-6-(1-(2-(N-(tert-ブトキシカルボニル)-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 203, 70mg)より実施例２の第２工程と同様にして反応させ、ヘキサン-酢酸エチルから再結晶で精製することにより4-(3-クロロ-4-(ピリジン-3-イルメトキシ)フェニルアミノ)-6-(1-(2-N-メチルアミノエトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII- 204, 7mg)を黄色固体として得た。
10.3(1H, s), 8.84(1H, s), 8.72(1H, s), 8.42-8.65(2H, m), 8.26(1H, d, J=7.6Hz), 7.98(1H, s), 7.91(1H, brs), 7.81(1H, brs), 7.71(1H, brs), 7.47(1H, brs), 7.34(1H, d, J=8.0Hz), 5.30(2H, s), 4.53(2H, brs), 3.38(2H, brs), 2.68(3H, s), 2.26(3H, s).
【００９４】

実施例７～１０と同様の方法で下記の化合物を合成した。

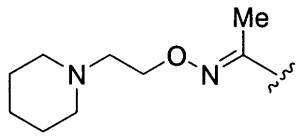
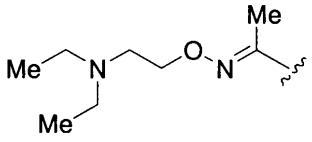
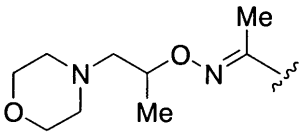
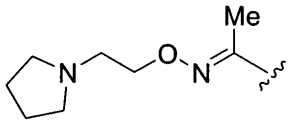
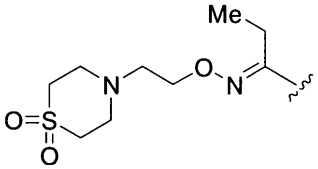
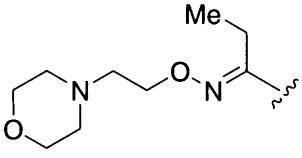
【化８１】



(VIII)

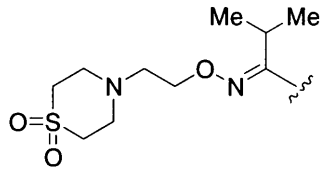
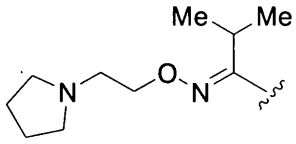
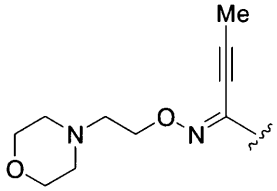
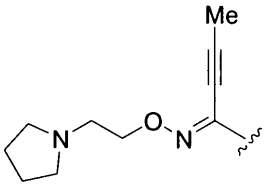
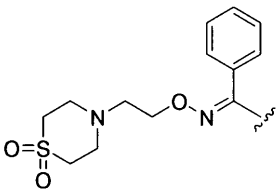
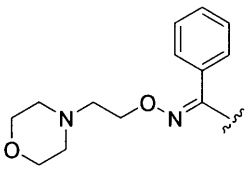
【００９５】

【表１５】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-2		9.92(1H, s), 8.65(1H, brs), 8.62(1H, s), 8.22(1H, d, J=6.6Hz), 7.96(1H, d, J=2.1Hz), 7.76(1H, d, J=6.6Hz), 7.70(1H, dd, J=6.6Hz, J=1.8Hz), 7.53-7.45(1H, m), 7.35-7.28(3H, m), 7.18(1H, t, J=5.7Hz), 5.27(2H, s), 4.30(2H, t, J=4.5Hz), 2.64(2H, t, J=4.5Hz), 2.43(4H, brs), 2.35(3H, s), 1.53-1.47(4H, m), 1.40-1.36(2H, m).
VIII-3		9.92(1H, s), 8.62(1H, brs), 8.58(1H, s), 8.23(1H, d, J=6.6Hz), 7.96(1H, d, J=1.8Hz), 7.76(1H, d, J=6.6Hz), 7.70(1H, d, J=6.9Hz), 7.50-7.45(1H, m), 7.35-7.28(3H, m), 7.18(1H, t, J=6.9Hz), 5.27(2H, s), 4.26(2H, t, J=4.5Hz), 2.77(2H, t, J=4.5Hz), 2.55(4H, q, J=5.4Hz), 2.36(3H, s), 0.96(2H, t, J=5.4Hz)
VIII-4		(一塩酸塩) 11.4(1H, brs), 10.82(1H, brs), 9.07(1H, s), 8.82(1H, s), 8.40(1H, d, J=10.2Hz), 7.94(1H, d, J=2.7Hz), 7.88(1H, d, J=9.0Hz), 7.70(1H, dd, J=8.7Hz, 2.7Hz), 7.45-7.52(1H, m), 7.31-7.36(3H, m), 7.17-7.23(1H, m), 5.30(2H, s), 4.94(1H, m), 3.85(4H, m), 3.36-3.60(6H, m), 2.44(3H, s), 1.38(3H, d, J=6.3Hz)
VIII-5		9.93(1H, s), 8.62(1H, brs), 8.58(1H, s), 8.22(1H, d, J=6.6Hz), 7.96(1H, d, J=1.8Hz), 7.76(1H, d, J=6.6Hz), 7.70(1H, dd, J=6.6Hz, J=1.8Hz), 7.50-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.6Hz), 5.27(2H, s), 4.31(2H, t, J=4.5Hz), 2.78(2H, t, J=4.5Hz), 2.50(4H, br), 2.36(3H, s), 1.69(4H, br)
VIII-6		9.95(1H, s), 8.62(1H, brs), 8.58(1H, s), 8.21(1H, d, J=6.9Hz), 7.94(1H, d, J=1.5Hz), 7.77(1H, d, J=6.6Hz), 7.69(1H, d, J=6.9Hz), 7.51-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.3Hz), 5.28(2H, s), 4.32(2H, t, J=4.2Hz), 3.09(4H, brd, J=4.5Hz), 3.05(4H, brd, J=4.5Hz), 2.97-2.89(4H, m), 1.13(3H, t, J=5.4Hz)
VIII-7		9.95(1H, s), 8.61(1H, brs), 8.58(1H, s), 8.20(1H, d, J=6.6Hz), 7.94(1H, brs), 7.77(1H, d, J=6.6Hz), 7.69(1H, d, J=6.9Hz), 7.51-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.0Hz), 5.27(2H, s), 4.32(2H, t, J=4.2Hz), 3.59(4H, t, J=3.3Hz), 2.91(2H, q, J=5.4Hz), 2.68(2H, t, J=4.2Hz), 1.13(3H, t, J=5.4Hz)

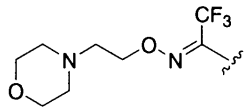
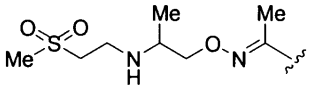
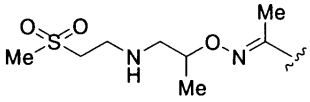
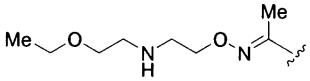
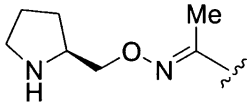
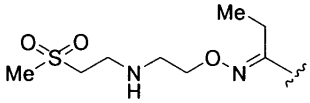
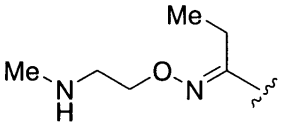
【００９６】

【表１６】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-8		(E/Z mixture) 8.61 (0.5H, s), 8.58 (0.5H, s), 8.48 (0.5H, s), 8.25 (0.5H, s), 7.99 (0.5H, d, J = 2.4Hz), 7.97 (0.5H, d, J = 2.4 Hz), 7.90 (0.5H, d, J = 7.9 Hz), 7.65-7.73 (2.5H, m), 7.50-7.55 (0.5H, m), 7.26-7.34 (3.5H, m), 7.16 (1H, d,t J = 7.9,2.4 Hz), 5.26 (2H, s), 4.29 (1H, t, J = 7.0 Hz), 4.15 (1H, t, J = 7.0 Hz), 3.50-3.55 (1H, m) , 3.28-3.35 (2H, m), 3.20-3.28 (2H, m), 3.10-3.20 (2H, m), 2.99-3.07 (2H, m), 2.90-2.96 (1H, m), 2.87-2.95 (1H, m), 1.21 (3H, d, J = 7.0Hz), 1.16 (3H, d, J = 7.0Hz)
VIII-9		(E/Z mixture) 8.58 (0.5H, s), 8.56 (0.5H, s), 8.44 (0.5H, s), 8.36 (0.5H, s), 7.99 (0.5H, d, J = 2.4Hz), 7.97 (0.5H, d, J = 2.4 Hz), 7.90 (0.5H, d, J = 7.9 Hz), 7.65-7.73 (2.5H, m), 7.50-7.55 (0.5H, m), 7.26-7.34 (3.5H, m), 7.16 (1H, d,t J = 7.9,2.4 Hz), 5.24 (2H, s), 4.21 (1H, t, J = 7.0 Hz), 4.05 (1H, t, J = 7.0 Hz), 2.73 (1H, t, J = 7.2Hz) , 2.57 (1H, t, J = 7.2Hz), 2.45-2.55 (2H, m), 2.30-2.35 (2H, m), 1.64-1.70 (2H, m), 1.50-1.58 (2H, m), 1.21 (3H, d, J = 7.0Hz), 1.16 (3H, d, J = 7.0Hz)
VIII-10		(E/Z mixture) 10.09(1H, s, major), 10.00(1H, s, minor), 8.74(1H, s, major), 8.59(1H, s), 8.22(1H, d, J=9Hz, major), 7.94-8.02(1H, m), 7.64-7.82(2H, m), 7.44-7.52(1H, m), 7.16-7.36(4H, m), 5.27(2H, s), 4.32-4.43(2H, m), 3.56-3.62(4H, m), 2.66-2.74(2H, m), 2.34(3H, s, minor), 2.25(3H, s, major)
VIII-11		10.08(1H, s), 8.74(1H, s), 8.58(1H, s), 8.22(1H, d, J=8.4Hz), 7.96(1H, brs), 7.80(1H, d, J=8.4Hz), 7.68(1H, d, J=9.6Hz), 7.43-7.52(1H, m), 7.14-7.36(4H, m), 5.27(2H, s), 4.37(2H, t, J=6.0Hz), 2.80(2H, t, J=6.0Hz), 2.25(3H, s), 1.69(4H, brs), 1.24(4H, brs)
VIII-12		(E/Z mixture) 9.95(1H, s, major), 9.80(1H, s, minor), 8.65(1H, s, minor), 8.58(1H, s, major), 8.54(1H, s, major), 8.44(1H, s, minor), 7.99(1H, d, J=1.5Hz, minor), 7.91(1H, d, J=1.8Hz, major), 7.15-7.92(14H, m), 5.26(2H, s), 5.25(2H, s), 4.32(2H, d, J=3.9Hz, major), 4.27(2H, t, J=4.2Hz, minor), 2.82-3.06(10H, m)
VIII-13		(E/Z mixture) 9.96(1H, s, major), 9.82(1H, s, minor), 8.64(1H, s, minor), 8.57(1H, s, major), 8.53(1H, brs, major), 8.44(1H, brs, minor), 7.99(1H, d, J=2.7Hz, minor), 7.90(1H, d, J=2.4Hz, major), 7.14-7.88(13H, m), 5.26(2H, s, major), 5.24(2H, s, minor), 4.32(2H, t, J=5.7Hz, major), 4.27(2H, t, J=5.4Hz, minor), 3.53-3.58(4H, m, major), 3.44-3.50(4H, m, minor), 2.56-2.70(2H, m), 2.32-2.46(4H, m)

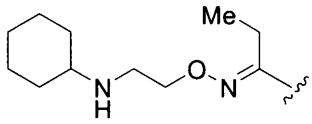
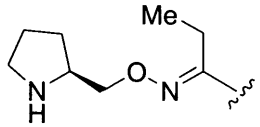
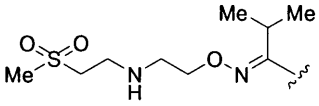
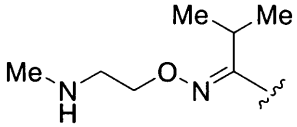
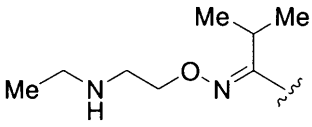
【００９７】

【表１７】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-14		9.99(1H, s), 8.65(s, 1H), 8.61(1H, s), 7.98(1H, brs), 7.90(1H, d, J=6.9Hz), 7.87(1H, d, J=6.9Hz), 7.70(1H, d, J=6.3Hz), 7.40-7.51(1H, m), 7.27-7.35(3H, m), 7.15-7.21(1H, m), 5.27(2H, s), 4.38(2H, t, J=3.9Hz), 3.47-3.51(4H, m), 2.57-2.65(2H, m), 2.33-2.40(4H, m)
VIII-15		9.94(1H, s), 8.63(1H, s), 8.58(1H, s), 8.23(1H, dd, J=8.7Hz, 1.2Hz), 7.96(1H, d, J=2.4Hz), 7.76(1H, d, J=9.0Hz), 7.70(1H, dd, J=8.4Hz, 2.4Hz), 7.44-7.52(1H, m), 7.28-7.35(3H, m), 7.16-7.22(1H, m), 5.27(2H, s), 4.07-4.10(2H, m), 3.23(2H, t, J=6.9Hz), 3.01-3.04(6H, m), 2.38(3H, s), 1.05(3H, d, J=6.3Hz)
VIII-16		9.94(1H, s), 8.62(1H, s), 8.58(1H, s), 8.25(1H, dd, J=9.0Hz, 1.5Hz), 7.95(1H, d, J=2.7Hz), 7.76(1H, d, J=8.7Hz), 7.69(1H, dd, J=8.7Hz, 2.4Hz), 7.44-7.52(1H, m), 7.28-7.35(3H, m), 7.16-7.22(1H, m), 5.27(2H, s), 4.39-4.45(1H, m), 3.25(2H, t, J=6.9Hz), 2.95-3.01(5H, m), 2.73-2.92(2H, m), 2.36(3H, s), 1.30(3H, d, J=6.3Hz)
VIII-17		（二塩酸塩）11.09(1H, brs), 9.00(1H, s), 8.90(2H, brs), 8.75(1H, s), 8.34(1H, d, J=9.3Hz), 7.96(1H, d, J=2.7Hz), 7.85(1H, d, J=8.7Hz), 7.72(1H, dd, J=9.0Hz, 2.7Hz), 7.45-7.52(1H, m), 7.31-7.35(3H, m), 7.17-7.22(1H, m), 5.29(2H, s), 4.49(2H, t, J=5.4Hz), 3.67(2H, t, J=5.4Hz), 3.49(2H, q, J=6.9Hz), 3.21-3.23(4H, m), 2.45(3H, s), 1.13(3H, t, J=6.9Hz)
VIII-18		9.93(1H, s), 8.62(1H, brs), 8.58(1H, s), 8.22(1H, d, J=6.9Hz), 7.95(1H, brs), 7.76(1H, d, J=6.0Hz), 7.70(1H, d, J=6.3Hz), 7.50-7.45(1H, m), 7.35-7.28(3H, m), 7.18(1H, t, J=5.4Hz), 5.27(2H, s), 4.11-4.03(2H, m), 2.87-2.67(2H, m), 2.37(3H, s), 1.85-1.76(1H, m), 1.73-1.59(2H, m), 1.48-1.39(1H, m)
VIII-19		（ニトリフルオロ酢酸塩）11.40(1H, s), 9.10(2H, s), 8.89(1H, s), 8.81(1H, s), 8.42(1H, d, J=6.0Hz), 7.90-7.87(2H, m), 7.62(1H, d, J=6.6Hz), 7.51-7.46(1H, m), 7.38-7.31(3H, m), 7.20(1H, t, J=6.3Hz), 5.32(2H, s), 4.48(2H, brs), 3.61-3.46(6H, m), 3.13(3H, s), 2.97(2H, q, J=5.7Hz), 1.14(3H, t, J=5.7Hz).
VIII-20		（ニトリフルオロ酢酸塩）11.07(1H, s), 8.82(1H, s), 8.78(3H, brs), 8.37(1H, d, J=6.6Hz), 7.89-7.86(2H, m), 7.64(1H, d, J=6.6Hz), 7.51-7.46(1H, m), 7.36-7.32(3H, m), 7.20(1H, t, J=6.3Hz), 5.31(2H, s), 4.45(2H, brs), 2.97(2H, q, J=5.4Hz), 2.67(3H, brs), 1.13(3H, t, J=5.4Hz).

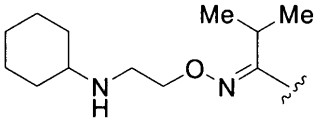
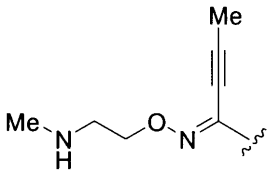
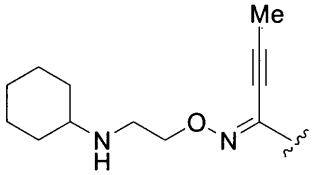
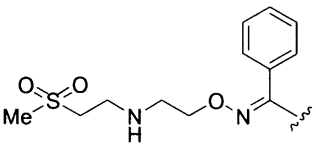
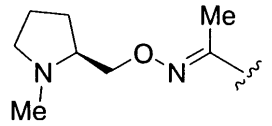
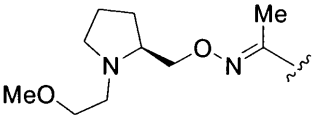
【００９８】

【表１８】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-21		（二トリフルオロ酢酸塩）11.03(1H, s), 8.81(1H, s), 8.78(1H, s), 8.71(2H, s), 8.37(1H, d, J=6.6Hz), 7.88-7.86(2H, m), 7.64(1H, d, J=6.6Hz), 7.51-7.46(1H, m), 7.36-7.31(3H, m), 7.20(1H, t, J=6.3Hz), 5.31(2H, s), 4.46(2H, brs), 3.39(2H, brs), 3.10(1H, brs), 2.97(2H, q, J=6.3Hz), 2.06(2H, brd, J=8.4Hz), 1.78(2H, brd, J=8.4Hz), 1.37-1.04(9H, m).
VIII-22		9.95(1H, s), 8.61(1H, brs), 8.58(1H, s), 8.19(1H, d, J=6.3Hz), 7.94(1H, brs), 7.77(1H, d, J=6.6Hz), 7.69(1H, d, J=6.6Hz), 7.50-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.0Hz), 5.27(2H, s), 4.14-4.07(2H, m), 3.43(1H, br), 2.95-2.82(4H, m), 1.86-1.80(1H, m), 1.69(2H, m), 1.46(1H, m), 1.14(3H, t, J=5.4Hz)
VIII-23		(E/Z mixture) 8.60 (0.5H, s), 8.58 (0.5H, s), 8.47 (0.5H, s), 8.39 (0.5H, s), 7.96 (0.5H, d, J = 2.4Hz), 7.93 (0.5H, d, J = 2.4 Hz), 7.88 (0.5H, d, J = 7.9 Hz), 7.65-7.73 (2.5H, m), 7.50-7.55 (0.5H, m), 7.26-7.34 (3.5H, m), 7.16 (1H, d,t J = 7.9,2.4 Hz), 5.26 (2H, s), 4.19 (1H, t, J = 7.0 Hz), 4.03 (1H, t, J = 7.0 Hz), 3.50-3.55 (1H, m) , 3.22-3.30 (1H, m) , 3.16-3.23 (1H, m), 2.96-3.03 (1H, m), 3.04 (1.5H, s), 2.90-2.95 (2H, m), 2.93 (1.5H, s), 2.70-2.80 (1H, m), 1.21 (3H, d, J = 7.0Hz), 1.16 (3H, d, J = 7.0Hz)
VIII-24		(E/Z mixture) 8.61 (0.5H, s), 8.59 (0.5H, s), 8.47 (0.5H, s), 8.41 (0.5H, s), 7.99 (0.5H, d, J = 2.4Hz), 7.97 (0.5H, d, J = 2.4 Hz), 7.90 (0.5H, d, J = 7.9 Hz), 7.65-7.73 (2.5H, m), 7.50-7.55 (0.5H, m), 7.26-7.34 (3.5H, m), 7.16 (1H, d,t J = 7.9,2.4 Hz), 5.26 (2H, s), 4.29 (1H, t, J = 7.0 Hz), 4.13 (1H, t, J = 7.0 Hz), 3.50-3.55 (1H, m) , 3.14-3.30 (1H, m) , 2.96-3.04 (1H, m) , 2.54 (1.5H, s) , 2.49 (1.5H, s), 1.21 (3H, d, J = 7.0Hz), 1.16 (3H, d, J = 7.0Hz), 1.00 (3H, t, J = 7.2Hz)
VIII-25		(E/Z mixture) 8.61 (0.5H, s), 8.58 (0.5H, s), 8.48 (0.5H, s), 8.31 (0.5H, s), 7.99 (0.5H, d, J = 2.4Hz), 7.97 (0.5H, d, J = 2.4 Hz), 7.90 (0.5H, d, J = 7.9 Hz), 7.65-7.73 (2.5H, m), 7.50-7.55 (0.5H, m), 7.26-7.34 (3.5H, m), 7.16 (1H, d,t J = 7.9,2.4 Hz), 5.26 (2H, s), 4.29 (1H, t, J = 7.0 Hz), 4.15 (1H, t, J = 7.0 Hz), 3.50-3.55 (1H, m) , 3.24-3.30 (1H, m) , 3.10-3.14 (1H, m) , 2.99 (1H, q, J = 7.2Hz) , 2.89 (1H, q, J = 7.2Hz), 1.21 (3H, d, J = 7.0Hz), 1.16 (3H, d, J = 7.0Hz), 1.00 (3H, t, J = 7.2Hz)

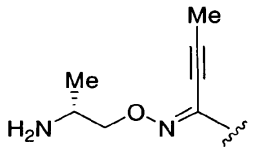
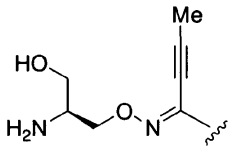
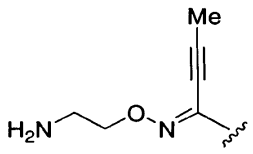
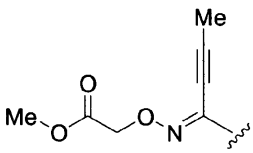
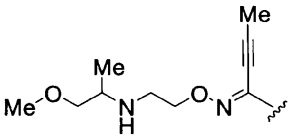
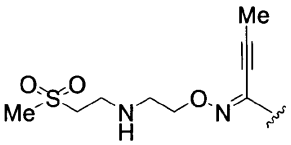
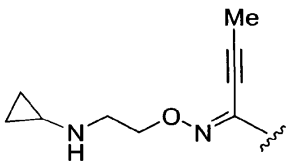
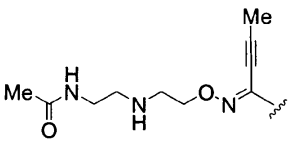
【００９９】

【表１９】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-26		(E/Z mixture) 8.61 (0.5H, s), 8.58 (0.5H, s), 8.48 (0.5H, s), 8.31 (0.5H, s), 7.99 (0.5H, d, J = 2.4Hz), 7.94 (0.5H, d, J = 2.4 Hz), 7.90 (0.5H, d, J = 7.9 Hz), 7.65-7.73 (2.5H, m), 7.50-7.55 (0.5H, m), 7.26-7.34 (3.5H, m), 7.16 (1H, d,t J = 7.9,2.4 Hz), 5.26 (2H, s), 4.29 (1H, t, J = 7.0 Hz), 4.11 (1H, t, J = 7.0 Hz), 3.50-3.55 (1H, m) , 3.14-3.17 (1H, m) , 3.00-3.04 (1H, m) , 2.00-2.10 (2H, m), 1.70-1.85 (2H, m), 1.00-1.30 (6H, m), 1.23 (3H, d, J = 7.0Hz), 1.16 (3H, d, J = 7.0Hz)
VIII-27		10.10(1H, s), 8.76(1H, s), 8.60(1H, s), 8.25(1H, d, J=8.7Hz), 7.96(1H, brs), 7.82(1H, d, J=9.0Hz), 7.69(1H, d, J=9.0Hz), 7.43-7.52(1H, m), 7.14-7.36(4H, m), 5.28(2H, s), 4.43(2H, brs), 2.98(2H, brs), 2.54(3H, s), 2.27(3H, brs), 1.60(1H, s)
VIII-28		10.10(1H, s), 8.77(1H, s), 8.60(1H, s), 8.25(1H, d, J=8.7Hz), 7.95(1H, brs), 7.82(1H, d, J=9.6Hz), 7.69(1H, d, J=9.3Hz), 7.43-7.52(1H, m), 7.14-7.36(4H, m), 5.28(2H, s), 4.45(2H, brs), 2.91(2H, brs), 2.27(3H, s), 2.00(2H, brs), 1.73(2H, brs), 1.60(1H, brs), 1.23(7H, brs)
VIII-29		(E/Z mixture) 9.94(1H, s, major), 9.78(1H, s, minor), 8.62(1H, s, minor), 8.56(1H, s, major), 8.51(1H, brs, major), 8.42(1H, brs, minor), 7.12-7.53(14H, m), 5.24(2H, s,), 4.15-4.28(2H, m), 3.13-3.25(2H, m), 2.80-3.00(7H, m)
VIII-30		9.93(1H, s), 8.62(1H, brs), 8.58(1H, s), 8.22(1H, d, J=6.3Hz), 7.96(1H, d, J=1.2Hz), 7.76(1H, d, J=6.6Hz), 7.70(1H, d, J=6.6Hz), 7.50-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.6Hz), 5.27(2H, s), 4.23(1H, dd, J=8.1Hz, J=4.2Hz), 4.11(1H, dd, J=8.1Hz, J=4.2Hz), 2.98-2.93(1H, m), 2.59-2.54(1H, m), 2.36(6H, s), 2.17(1H, dd, J=13Hz, J=6.6Hz), 1.97-1.88(1H, m), 1.71-1.54(3H, m)
VIII-31		9.92(1H, s), 8.62(1H, brs), 8.58(1H, s), 8.22(1H, d, J=6.9Hz), 7.96(1H, brs), 7.76(1H, d, J=6.6Hz), 7.70(1H, d, J=6.6Hz), 7.50-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.6Hz), 5.27(2H, s), 4.18(1H, dd, J=7.8Hz, J=4.5Hz), 4.06(1H, dd, J=7.8Hz, J=4.5Hz), 3.43(1H, t, J=4.8Hz), 3.24(3H, s), 3.08-2.99(2H, m), 2.88-2.81(1H, m), 2.36(3H, s), 2.27(1H, dd, J=13Hz, J=6.6Hz), 1.93-1.84(1H, m), 1.72-1.54(3H, m)

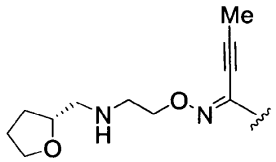
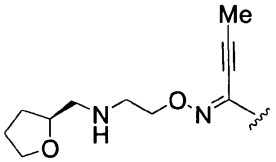
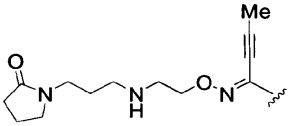
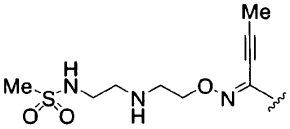
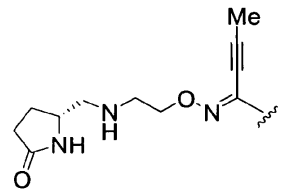
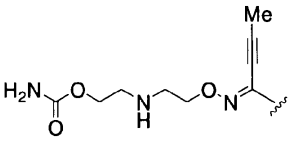
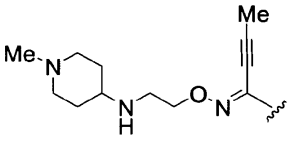
【０１００】

【表２０】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-40		10.08(1H, bs), 8.74(1H, s), 8.58(1H, s), 8.21(1H, d, J=8.8Hz), 7.96(1H, s), 7.80(1H, d, J=8.8Hz), 7.51-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=8.0Hz), 5.27(2H, s), 4.04(2H, t, J=5.6Hz), 3.08-3.05(1H, m), 2.22(3H, s), 1.04(3H, d, J=6.4Hz).
VIII-41		10.13-10.09(1H, m), 8.82(1H, s), 8.74(1H, s), 8.21(1H, d, J=14.0Hz), 7.69-7.62(1H, m), 7.50-7.45(1H, m), 7.35-7.26(3H, m), 7.18(1H, t, J=8.2Hz), 5.27(2H, s), 4.69(1H, bs), 4.25-4.21(1H, m), 4.13-4.09(1H, m), 3.46-3.44(2H, m), 3.09(1H, t, J=5.6Hz), 2.26(3H, s)
VIII-42		10.2(1H, s), 8.78(1H, s), 8.59(1H, s), 8.24(1H, d, J=8.8Hz), 7.96(1H, s), 7.81(1H, d, J=8.8Hz), 7.66-7.73(1H, m), 7.43-7.50(1H, m), 7.23-7.36(3H, m), 7.15-7.22(1H, m), 5.27(2H, s), 4.31-4.48(2H, m), 3.07-3.15(2H, m), 2.27(3H, s)
VIII-43		10.10(1H, brs), 8.75(1H, d, J=2.0Hz), 8.59(1H, s), 8.17(1H, dd, J=2.4, 11.6Hz), 7.96(1H, d, J=3.2Hz), 7.80(1H, d, J=12.0Hz), 7.68(1H, dd, J=3.6, 12.0Hz), 7.51-7.44(1H, m), 7.34-7.26(3H, m),7.22-7.15(1H, m), 5.27(2H, s), 4.94(2H, s), 3.71(3H, s), 2.27(3H, s)
VIII-44		(CDCl3) 8.71(1H, s), 8.53(1H, s), 8.39(1H, s), 8.23(1H, d, J=9.0Hz), 7.88(1H, d, J=9.0Hz), 7.81(1H, d, J=2.4Hz), 7.57(1H, dd, J=2.4, 9.0Hz), 7.40-7.33(1H, m), 7.26-7.21(2H, m), 7.06-6.97(2H, m), 5.17(2H, s), 4.49(2H, t, J=5.4Hz), 3.40(2H, d, J=6.0Hz), 3.25(3H, s), 3.14-2.98(3H, m), 2.25(3H, s), 1.06(3H, d, J=6.6Hz).
VIII-45		(二塩酸塩) 12.2(1H, s), 9.61(2H, brs), 9.38(1H, s), 8.93(1H, s), 8.46(1H, d, J=8.8Hz), 8.03(1H, d, J=8.4Hz), 7.93(1H, d, J=2.4Hz), 7.69(1H, dd, J=8.8Hz, J=2.4Hz), 7.44-7.52(1H, m), 7.30-7.36(3H, m), 7.15-7.23(1H, m), 5.32(2H, s), 4.61(2H, brs), 3.65-3.70(2H, m), 3.45-3.56(5H, m), 3.12(3H, s), 2.28(3H, s)
VIII-46		10.07(1H, brs), 8.73(1H, s), 8.58(1H, s), 8.21(1H, d, 6.6Hz), 7.96(1H, s), 7.79(1H, d, J=6.6Hz), 7.68(1H, d, J=6.6Hz), 7.49-7.44(1H, m), 7.34-7.25(3H, m), 7.19-7.15(1H, m), 5.26(2H, s), 4.31(2H, t, 4.5 Hz), 2.95(2H, t, 4.5 Hz), 2.25(3H, s), 2.16(1H, m), 0.36(2H, m), 0.25(2H, m)
VIII-47		(二塩酸塩) 12.26(1H, brs), 9.36(1H, s), 8.91(1H, s), 8.45(1H, d, 6.6Hz), 8.29(1H, m), 8.00(1H, d, J=6.6Hz), 7.91(1H, s), 7.68(1H, d, J=6.6Hz), 7.51-7.45(1H, m), 7.36-7.31(3H, m), 7.23-7.17(1H, m), 5.32(2H, s), 4.59(2H, m), 3.48(2H, m), 3.41(2H, m), 3.10(2H, m), 2.28(3H, s), 1.82(3H, s)

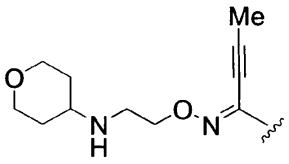
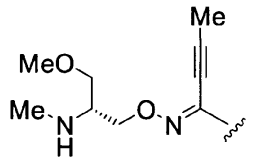
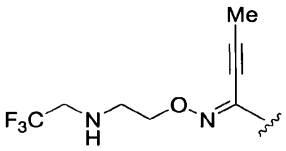
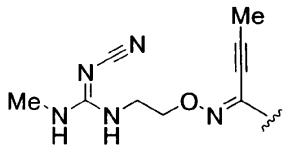
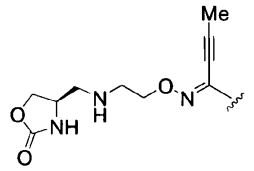
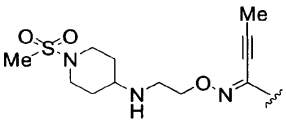
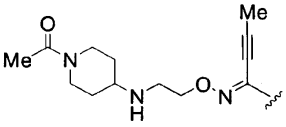
【０１０１】

【表２１】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-48		(二塩酸塩) 12.49(1H, brs), 9.43(1H, s), 8.93(1H, s), 8.43(1H, d, 6.6Hz), 8.09(1H, d, J=6.6Hz), 7.93(1H, s), 7.70(1H, d, J=6.6Hz), 7.51-7.45(1H, m), 7.36-7.31(3H, m), 7.23-7.17(1H, m), 5.32(2H, s), 4.61(2H, m), 4.24(1H, m), 3.80(1H, m), 3.68(1H, m), 3.49(2H, m), 3.20(1H, m), 3.05(1H, m), 2.28(3H, s), 1.99(1H, m), 1.83(2H, m), 1.58(1H, m)
VIII-49		(二塩酸塩) 12.44(1H, brs), 9.41(1H, s), 8.92(1H, s), 8.43(1H, d, 6.6Hz), 8.08(1H, d, J=6.6Hz), 7.92(1H, s), 7.70(1H, d, J=6.6Hz), 7.51-7.45(1H, m), 7.36-7.31(3H, m), 7.23-7.16(1H, m), 5.31(2H, s), 4.61(2H, m), 4.24(1H, m), 3.80(1H, m), 3.68(1H, m), 3.48(2H, m), 3.19(1H, m), 3.05(1H, m), 2.28(3H, s), 1.99(1H, m), 1.84(2H, m), 1.58(1H, m).
VIII-50		(二塩酸塩) 12.37(1H, brs), 9.41(1H, s), 8.91(1H, s), 8.41(1H, d, 6.0Hz), 8.04(1H, d, J=6.0Hz), 7.91(1H, s), 7.68(1H, d, J=6.0Hz), 7.45(1H, m), 7.36-7.31(3H, m), 7.20-7.14(1H, m), 5.29(2H, s), 4.58(2H, m), 3.44(2H, m), 3.31(2H, m), 3.22(2H, m), 2.95(2H, m), 2.27-1.55(9H, m)
VIII-51		(二塩酸塩) 10.07(1H, brs), 8.74(1H, s), 8.58(1H, s), 8.20(1H, d, 6.6Hz), 7.96(1H, s), 7.79(1H, d, J=6.6Hz) 7.69(1H, d, J=6.6Hz), 7.66(1H, s), 7.49-7.43(1H, m), 7.34-7.24(3H, m), 7.19-7.15(1H, m), 5.26(2H, s), 4.32(2H, m), 3.61(1H, m), 2.93(2H, m), 2.61(2H, d, 4.5Hz), 2.25(3H, s), 2.09(3H, m), 1.70(1H, m)
VIII-52		10.07(1H, brs), 8.74(1H, s), 8.58(1H, s), 8.20(1H, d, 6.6Hz), 7.96(1H, s), 7.79(1H, d, J=6.6Hz) 7.69(1H, d, J=6.6Hz), 7.66(1H, s), 7.49-7.43(1H, m), 7.34-7.24(3H, m), 7.19-7.15(1H, m), 5.26(2H, s), 4.32(2H, m), 3.61(1H, m), 2.93(2H, m), 2.61(2H, d, 4.5Hz), 2.25(3H, s), 2.09(3H, m), 1.70(1H, m)
VIII-53		(二塩酸塩) 12.04(1H, brs), 9.26(1H, s), 8.91(1H, s), 8.45(1H, d, 10.5Hz), 7.99(1H, d, 9.0Hz), 7.91(1H, s), 7.67(1H, d, J=9.0Hz), 7.53-7.45(1H, m), 7.37-7.31(3H, m), 7.23-7.17(1H, m), 6.65(2H, s), 5.32(2H, s), 4.58(2H, m), 4.23(2H, m), 3.50(2H, m), 3.30(2H, m), 2.28(3H, s)
VIII-54		(三塩酸塩) 10.88(1H, bs), 9.68(1H, bs), 9.33(1H, s), 8.83(1H, s), 8.61(1H, bs), 8.54(2H, d, J=5.2Hz), 8.00(1H, d, J=7.96Hz), 7.95(1H, s), 7.71(1H, d, J=8.4Hz), 7.49-7.45(1H, m), 7.33(2H, d, J=5.6Hz), 7.24-7.17(1H, m), 5.31(2H, s), 4.61(2H, bs), 2.91(2H, bs), 2.68(3H, s), 2.37-2.33(2H, m), 2.29(3H, s), 2.05-1.79(5H, m), 1.24(2H, s).

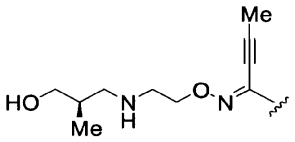
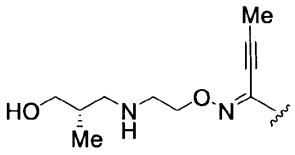
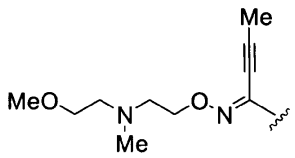
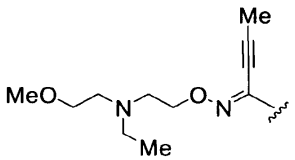
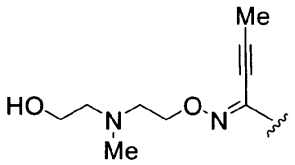
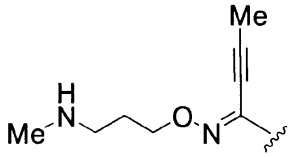
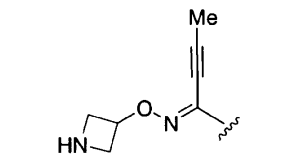
【０１０２】

【表２２】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-55		10.07(1H, bs), 8.74(1H, s), 8.59(1H, s), 8.31(1H, s), 8.21 (1H, d, J=8.8Hz), 7.96(1H, s), 7.80(1H, d, J=8.4Hz), 7.69(1H, d, J=9.2Hz), 7.50-7.45(3H, m), 7.18(1H, t, J=6.4Hz), 5.27(2H, s), 4.33-4.30(2H, m), 3.81(2H, d, J=7.2Hz), 2.93(2H, t, J=5.9Hz), 2.67-2.65(1H, m), 2.33(3H, s), 1.76(2H, d, J=11.6Hz), 1.24-1.16(4H, m).
VIII-56		10.08(1H, s), 8.75(1H, s), 8.59(1H, s), 8.21(1H, d, J=10.0Hz), 7.80(1H, d, J=10.0Hz), 7.69(1H, d, J=8.4Hz), 7.47(1H, t, J=6,8Hz), 7.35-7.17(4H, m), 5.27(2H, s), 3.29(3H, s), 3.08-2.93(1H, m), 2.41(3H, s), 2.26(3H, s).
VIII-57		10.1(1H, s), 8.75(1H, s), 8.59(1H, s), 8.22(1H, d, J=8.4Hz), 7.96(1H, s), 7.80(1H, d, J=8.8Hz), 7.69(1H, d, J=8.8Hz), 7.43-7.51(1H, m), 7.23-7.36(3H, m), 7.18(1H, t, J=6.4Hz), 5.27(2H, s), 4.33(2H, t, J=5.6Hz), 3.30-3.33(2H, m), 2.98-3.05(2H, m), 2.25(3H, s)
VIII-58		10.1(1H, s), 8.75(1H, s), 8.59(1H, s), 8.23(1H, d, J=8.8Hz), 7.96(1H, s), 7.80(1H, d, J=8.8Hz), 7.74(1H, d, J=8.8Hz), 7.43-7.50(1H, m), 7.25-7.35(3H, m), 7.18(1H, t, J=7.6Hz), 6.99-7.08(2H, m), 5.27(2H, s), 4.35(2H, t, J=5.6Hz), 3.48-3.53(2H, m), 2.68(3H, d, J=4.4Hz), 2.26(3H, s)
VIII-59		(二塩酸塩) 11.83(1H, brs), 9.02(1H, s), 8.93(1H, s), 8.45(1H, d, J=8.7Hz), 7.89(1H, d, 8.7Hz), 7.87(1H, d, J=2.4Hz), 7.62(1H, dd, J=2.4Hz, J=9.0Hz), 7.53-7.45(1H, m), 7.38-7.31(3H, m), 7.82-7.20(1H, m), 5.32(2H, s), 4.37(2H, m), 3.56-3.25(10H, m), 2.26(3H, s).
VIII-60		10.08(1H, s), 8.74(1H, s), 8.59(1H, s), 8.22(1H, d, J=8.8Hz), 7.76(1H, s), 7.81(1H, d, J=8.8Hz), 7.69(1H, d, J=7.2Hz), 7.47(1H, t, J=7.2Hz), 7.35-7.27(2H, m), 7.22-7.17(1H, m), 5.27(2H, s), 4.31-4.26(2H, m), 3.51-3.44(2H, m), 2.93-2.88(2H, m), 2.83 (3H, s), 2.63-2.59(1H, m), 2.26(3H, s), 1.91-1.88(2H, m), 1.33-1.24(2H, m).
VIII-61		10.07(1H, s), 8.75(1H, s), 8.59(1H, s), 8.21(1H, d, J=7.2Hz), 7.96(1H, s), 7.80(1H, d, J=7.2Hz), 7.69(1H, d, J=8.8Hz),7.48(1H, dd, J=8.4Hz, J=7.2Hz), 7.34-7.27(3H, m), 7.18(1H, t, J=7.2Hz), 5.27(2H, s), 4.32(2H, t, J=6.8Hz), 4.15(1H, bs), 3.72(1H, d, J=12.8Hz), 3.05(1H, t, J=10.8Hz), 2.94(1H, t, J=5.6Hz), 2.26(3H, s), 1.97(3H, s), 1.24(2H, bs).

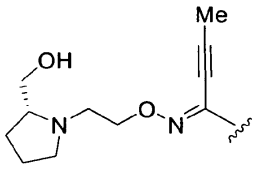
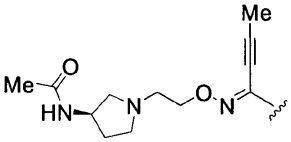
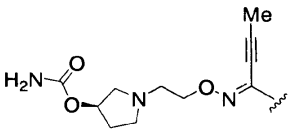
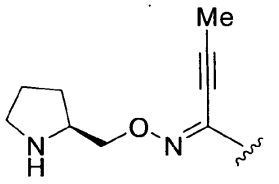
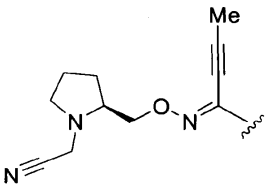
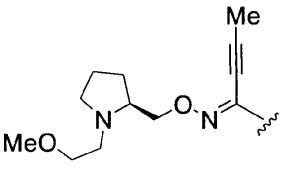
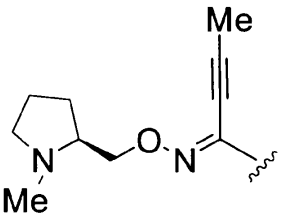
【０１０３】

【表２３】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-62		(二塩酸塩) 12.14(1H, bs), 9.16-9.08(1H, m), 8.91(2H, s), 8.44(1H, d, J=8.0Hz), 8.91(2H, s), 8.44(1H, d, J=8.0Hz), 8.02(1H, d, J=8.8Hz), 7.91(1H, s), 7.68(1H, d, J=8.4Hz), 7.51-7.46(1H, m), 7.37-7.31(2H, m), 7.21-7.18(1H, m), 5.32(2H, s), 4.62(2H, bs), 3.44-3.38(2H, m), 3.32-3.21(2H, m), 3.08-3.07(1H, m), 2.99-2.91(1H, m), 2.28(3H, s), 2.08-2.02(1H, m), 1.24-1.19(1H, m), 0.91(3H, d, J=6.4Hz).
VIII-63		10.08(1H, s), 8.75(1H, s), 8.68(1H, s), 8.22(1H, d, J=8.8Hz), 7.79(1H, s), 7.80(1H, d, J=7.2Hz), 7.70(1H, d, J=8.8Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.18(1H, t, J=8.8Hz), 5.27(2H, s), 4.34(2H, t, J=5.6Hz), 3.35-3.32(2H, m), 2.92(2H, t, J=5.6Hz), 2.65-2.61(1H, m), 2.26(3H, s), 1.75-1.70(1H, bs), 0.84(3H, d, J=5.6Hz).
VIII-64		10.09(1H, s), 8.58(1H, s), 8.22(1H, dd, J=8.7Hz, 1.8Hz), 7.95(1H, d, J=2.7Hz), 7.80(1H, d, J=9.0Hz), 7.68(1H, dd, J=8.7Hz, 2.7Hz), 7.51-7.44 (1H, m), 7.35-7.16(4H, m), 3.22(3H, s), 2.77(2H, t, J=5.7Hz), 2.60(2H, t, J=5.7Hz), 2.29(3H, s), 2.24 (3H, s).
VIII-65		10.09(1H, bs), 8.74(1H, s), 8.58(1H, s), 7.96(1H, d, J=2.1Hz), 7.80(1H, d, J=8.7Hz), 7.68(1H, d, J=9.0Hz), 7.48(1H, dd, J=8.1Hz), 7.35-7.26(3H, m), 7.19(1H, t, J=8.1Hz), 5.27(2H, s), 4.32(2H, t, J=6.0Hz), 3.23(3H, s), 2.85(2H, t, J=6.0Hz), 2.87-2.59(4H, m), 2.24(3H, s), 0.98(3H, t, J=7.2Hz).
VIII-66		(二塩酸塩) 10.70(1H, brs), 9.92(1H, brs), 8.94(1H, s), 8.69(1H, s), 8.30(1H, d, J=12), 7.95-7.94(1H, m), 786(1H, d, J=12), 7.71-7.68(1H,m), 7.52-7.44(1H, m), 7.35-7.28(3H, m), 7.22-7.15(1H, m), 5.40(1H, br), 5.30(2H, s), 4.74-4.60(2H, m), 3.83-3.75(2H, m), 3.70-3.55(2H, m), 2.92(3H, s), 2.28(3H, s)
VIII-67		10.09(1H, s), 8.75(1H, s), 8.59(1H, s), 8.22(1H, d, J=8.7Hz), 7.95(1H, d, J=2.1Hz), 7.81 (1H, d, J=9.0Hz), 7.69(1H, d, J=8.7Hz), 7.51-7.34 (1H, m), 7.34-7.26(2H, m), 7.21-7.16(1H, m), 5.27(2H, s), 4.34(2H, t, J=6.3Hz), 2.96(2H, t,, J=6.9Hz), 2.56(3H, s), 2.26(3H, s).
VIII-68		10.4(1H, s), 9.06(1H, s), 8.59(1H, s), 8.30(1H, d J=8Hz), 8.01(1H, s), 7.81(1H, d, J=8.8Hz), 7.74(1H, d, J=8.8Hz), 7.44-7.50(1H, m), 7.24-7.36(3H, m), 7.18(1H, t, J=7.2Hz), 5.27(2H, s), 4.21-4.36(4H, m), 3.98-4.04(1H, m), 2.25(3H, s)

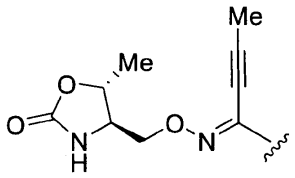
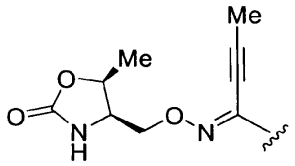
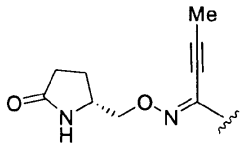
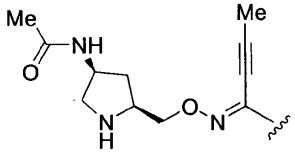
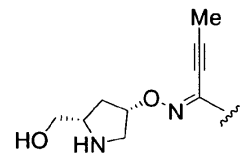
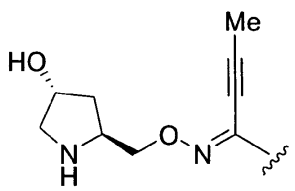
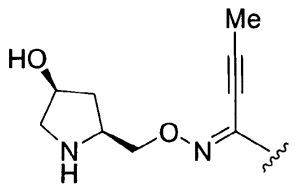
【０１０４】

【表２４】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-69		(二塩酸塩) 9.37(1H, s), 8.91(1H, s), 8.42(1H, d, 7.8Hz), 8.00(1H, d, J=6.6Hz), 7.92(1H, s), 7.69(1H, d, J=7.8Hz), 7.51-7.45(1H, m), 7.36-7.31(3H, m), 7.22-7.17(1H, m), 5.32(2H, s), 4.75-4.60(2H, m), 3.85-3.10(7H, m), 2.27(3H, s), 2.15-1.74(4H, m)
VIII-70		10.07(1H, bs), 8.74(1H, bs), 8.59(1H, s), 8.22(1H, d, J=8.8Hz), 7.98-7.96(2H, m), 7.80(1H, d, J=8.8Hz), 7.68(1H, d J=8.8Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.20-7.16(1H, m), 5.27(2H, s), 4.37(2H, t, J=5.6Hz), 4.16(1H, bs), 2.79-2.66(4H, m), 2.46-2.42(3H, m), 2.25(3H, s), 2.06(1H, bs), 1.78(3H, s), 1.56-1.51(1H, m).
VIII-71		(二塩酸塩)9.29(1H, m), 8.91(1H, s), 8.42(1H, m), 7.99(1H, d, 8.7Hz), 7.92(1H, s), 7.67(1H, d, J=9.0Hz), 7.53-7.45(1H, m), 7.37-7.31(3H, m), 7.23-7.17(1H, m), 6.68(2H, brs), 5.32(2H, s), 5.11(1H, m), 4.66(3H, m), 3.72-3.70(5H, m), 3.51(1H, m), 3.26(2H, m), 2.28(3H, s)
VIII-72		10.08(1H, bs), 8.74(1H, s), 8.56(1H, s), 8.21(1H, d, J=8.0Hz), 7.93(1H, s), 7.79(1H, d, J=8.8Hz), 7.67-7.65(1H, m), 7.50-7.40(1H, m), 7.33-7.24(2H, m), 7.20-7.12(1H, m), 5.25(2H, s), 4.36-4.30(1H, m), 4.22-4.17(1H, m), 4.08-3.92(2H, m), 2.98(2H, bs), 2.24(3H, s), 2.00-1.90(1H, m), 1.80-1.70(2H, m), 1.62-1.52(1H, m)
VIII-73		10.08(1H, bs), 8.80(1H, s), 8.57(1H, s), 8.21(1H, d, J=8.8Hz), 7.97(1H, s), 7.79(1H, d, J=8.8Hz), 7.71-7.68(1H, m), 7.46(1H, dd, J=8.0, J=14.4), 7.34-7.25(2H, m), 7.19-7.15(1H, m), 5.26(2H, s), 4.22-4.20(2H, m), 2.98-2.84(2H, m), 2.25(2H, s), 1.92-1.82(1H, m), 1.79-1.62(2H, m), 1.54-1.45(1H, m).
VIII-74		10.07(1H, bs), 8.74(1H, s), 8.58(1H, s), 8.21(1H, d, J=8.4Hz), 7.95(1H, s), 7.79(1H, d, J=8.8Hz), 7.69-7.67(1H, m), 7.47(1H, dd, J=8.4, J=15.2), 7.34-7.26(2H, m), 7.19-7.15(1H, m), 5.26(2H, s), 4.23-4.13(2H, m), 3.43(2H, t, J=6.0), 3.23(3H, s), 3.11-3.03(2H, m), 2.91-2.86(1H, m), 2.53-2.47(1H, m), 2.30-2.24(1H, m), 2.24(3H, s), 1.90-1.83(1H, m), 1.72-1.67(2H, m), 1.59-1.53(1H, m).
VIII-75		10.07(1H, s), 8.73(1H, s), 8.57(1H, s), 8.20(1H, d, J=8.8Hz), 7.95-7.94(1H, m), 7.79(1H, d, J=8.8Hz), 7.68-7.63(1H, m), 7.46(1H, dd, J=8.0, J=14.0), 7.33-7.25(2H, m), 7.19-7.14(1H, m), 5.26(2H, s), 4.27-4.18(2H, m), 2.95-2.92(1H, m), 2.62-2.57(1H, m), 2.41(3H, s), 2.23(3H, s), 2.19-2.15(1H, m), 1.96-1.87(1H, m), 1.74-1.61(2H, m), 1.59-1.53(1H, m).

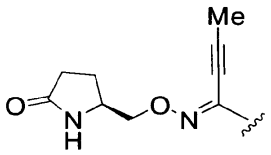
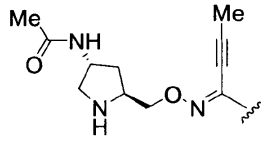
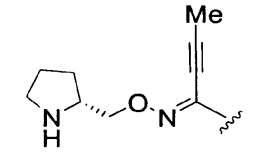
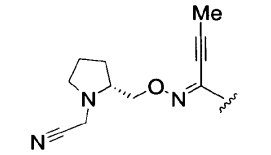
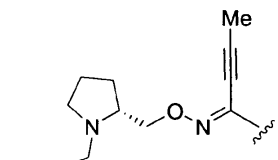
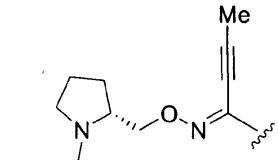
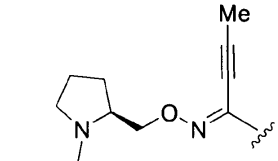
【０１０５】

【表２５】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-76		10.09(1H, bs), 8.76(1H, d, J=1.8Hz), 8.58(1H, s), 8.22(1H, dd, J=1.8Hz, J=8.7Hz), 7.96(1H, d, J=2.4Hz), 7.87-7.78(2H, m), 7.68(1H, dd, J=2.1Hz, J=9.0Hz), 7.52-7.44(1H, m), 7.35-7.26(3H, m), 7.22-7.16(1H, m), 5.27(2H, s), 4.57-4.49(1H, m), 4.35-4.27(2H, m), 3.77-3.71(1H, m), 2.26(3H, s), 1.36(3H, d, J=6.3Hz).
VIII-77		10.08(1H, bs), 8.75(1H, d, J=1.8Hz), 8.58(1H, s), 8.22(1H, dd, J=1.8Hz, J=9.0Hz), 7.96(1H, d, J=2.4Hz), 7.80(1H, d, J=9.0Hz), 7.76(1H, dd, J=2.4Hz, J=9.0Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m), 7.21-7.15(1H, m), 5.26(2H, s), 4.85-4.76(1H, m), 4.39(1H, dd, J=5.7Hz, J=11.4Hz), 4.30(1H, dd, J=4.5Hz, J=11.4Hz), 4.11-4.07(1H, m), 2.25(3H, s), 1.40(3H, d, J=6.6Hz).
VIII-78		10.07(1H, brs), 8.74(1H, s), 8.58(1H, s), 8.21(1H, d, 9.0Hz), 7.97(1H, s), 7.82-7.78(2H, m), 7.69(1H, d, 9.0Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m), 7.22-7.15(1H, m), 5.27(2H, s), 4.24(2H, d, 4.8 Hz), 3.91(1H, m), 2.31-2.06(6H, m), 1.95-1.87(1H, m)
VIII-79		10.09(1H, s), 8.74(1H, s), 8.59(1H, s), 8.21(1H, d, J=8.8Hz), 7.97(1H, s), 7.91-7.89(1H, m), 7.80(1H. d, J=8.4Hz), 7.69(1H, d, J=8.8Hz), 7.51-7.45(1H, m), 7.35-7.27(3H, m), 7.20-7.17(1H, m), 5.27(2H, s), 4.26-4.06(3H, m), 3.46(1H, t, J=6.8Hz), 3.02-2.98(1H, m), 2.58(1H, dd, J=12.0Hz, J=5.6Hz), 2.26(3H, s), 2.20-2.10(1H, m), 1.77(3H, m), 1.38-1.31(1H, m).
VIII-80		10.3(1H, s), 8.95(1H, s), 8.57(1H, s), 8.22(1H, d, J=9.6), 8.01(1H, s), 7.80-7.73(2H, m), 7.47-7.41(1H,m), 7.34-7.25(2H, m), 7.20-7.12(1H, m), 5.37(1H, br), 5.26(2H, s), 5.10(1H, brs), 3.78-3.48(5H, m), 2.45-2.35(1H, m), 2.26(3H, s), 2.05-1.96(1H, m).
VIII-81		10.45(1H, s), 8.92(1H, s), 8.65(1H, s), 8.31(1H, d, J=8.4Hz), 7.97(1H, s), 7.77(1H, d, J=8.8Hz), 7.71(1H, d, J=9.2Hz), 7.51-7.45(1H, m), 7.35-7.28(2H, m), 7.19(1H, t, J=8.4Hz), 5.28(2H, s), 4.56-4.47(3H, m), 4.15(1H, bs), 3.60(1H, bs), 3.12(1H, bs), 2.28(3H, s), 2.09(1H, dd, J=13.2Hz, J=6.0Hz), 1.862-1.81(1H, m).
VIII-82		10.08(1H, s), 8.75(1H, s), 8.59(1H, s), 8.22(1H, d, J=8.8Hz), 7.97(1H, s), 7.80(1H, d, J=8.8Hz), 7.69(1H, d, J=8.0Hz), 7.51-7.45(1H, m), 7.35-7.27(m, 3H), 7.20-7.17(1H, m), 5.27(2H, s), 4.67(1H, bs), 4.29-4.19(3H, m), 3.45-4.40(1H, m), 2.88(1H, dd, J=11.2Hz, J=5.6Hz), 2.70(1H. dd, J=11.0, J=3.6Hz), 2.27(3H, s), 2.10-2.02(1H, m), 1.46-1.39(1H, m).

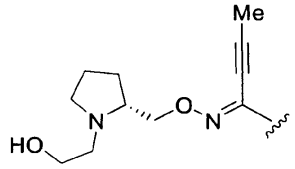
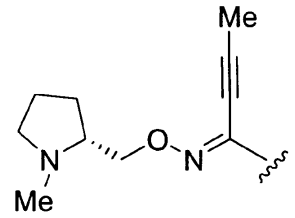
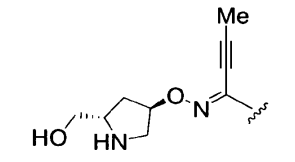
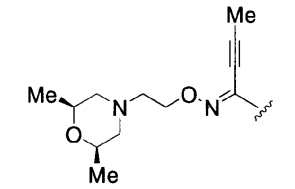
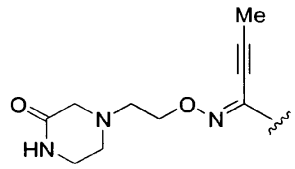
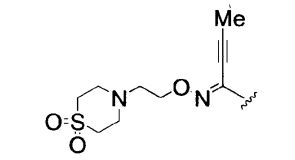
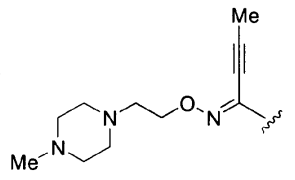
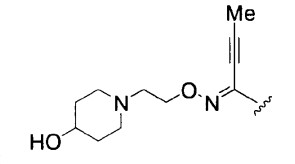
【０１０６】

【表２６】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-83		10.07(1H, brs), 8.74(1H, s), 8.58(1H, s), 8.21(1H, d, 8.7Hz), 7.97(1H, s), 7.82-7.78(2H, m), 7.69(1H, d, 9.0Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m), 7.22-7.15(1H, m), 5.27(2H, s), 4.24(2H, d, 4.8 Hz), 3.91(1H, m), 2.31-2.06(6H, m), 1.95-1.87(1H, m)
VIII-84		10.35(1H, s), 9.08(1H, s), 8.60(1H, s), 8.40(1H, s), 8.22(1H, d, J=8.4Hz), 8.09(1H, s), 7.83-7.82(2H, m), 7.49-7.47(1H, m), 7.33-7.19(4H, m), 5.27(2H, s), 4.43-4.16(4H, m), 3.01-2.98(2H,. M), 2.28(3H, s), 1.92(2H, bs), 1.83(3H, s).
VIII-85		10.1(1H, brs), 8.82(1H, s), 8.58(1H, s), 8.21(1H, d, J=8.8), 7.98(1H, s), 7.80(1H, d, J=8.4), 7.72-7.70(1H,m), 7.50-7.44(1H, m), 7.34-7.26(3H, m), 7.20-7.15(1H, m), 5.26(2H, s), 4.22(2H, s), 3.57(1H, br), 2.96-2.89(2H, m), 2.26(3H, s), 1.98-1.62(3H, m), 1.58-1.45(1H, m).
VIII-86		10.07(1H, bs), 8.75(1H, s), 8.57(1H, s), 8.21(1H, d, J=8.8Hz), 7.95(1H, s), 7.79(1H, d, J=8.8Hz), 7.71-7.68(1H, m), 7.50-7.44(1H, m), 7.34-7.26(2H, m), 7.19-7.15(1H, m), 5.26(2H, s), 4.22-4.20(2H, m), 3.03-2.95(2H, m), 2.26(3H, s), 2.02-1.93(1H, m), 1.80-1.73(2H, m), 1.62-1.56(1H, m)
VIII-87		10.0(1H, brs), 8.73(1H, s), 8.57(1H, s), 8.19(1H, d, J=9.2), 7.95(1H, s), 7.79(1H, d, J=8.8), 7.69-7.67(1H, m), 7.50-7.44(1H, m), 7.34-7.26(3H, m), 7.20-7.16(1H, m), 5.26(2H, s), 4.24-4.17(2H, m), 3.77(1H, d, J=17.2), 3.58(1H, s), 3.50(1H, d, J=17.6), 3.22-3.12(1H, m), 3.10-3.00(1H, m), 2.58-2.52(1H, m), 2.23(3H, s), 1.98-1.89(1H, m), 1.77-1.70(2H, m), 1.59-1.52(1H, m).
VIII-88		10.8(1H, s), 8.98(1H, s), 8.58(1H, s), 8.20-8.16(2H, m), 7.91-7.88(1H, m), 7.80(1H, d, J=7.6), 7.50-7.44(1H,m), 7.34-7.30(2H, m), 7.23(1H, d, J=8.8), 7.20-7.15(1H, m), 5.26(2H, s), 4.23-4.41(2H, m), 3.76(1H, d, J=16.4), 3.52(1H, d, J=16.4), 3.61-3.52(1H, m), 3.45-3.36(1H, m), 2.91-2.85(1H, m), 2.25(3H, s), 2.09-2.02(1H, m), 1.91-1.79(2H, m), 1.73-1.66(1H, m).
VIII-89		10.87(1H, s), 8.97(1H, s), 8.58(1H, s), 8.20-8.15(2H, m), 7.91-7.88(1H, m), 7.80(1H, d, J=8.8), 7.50-7.44(1H,m), 7.34-7.30(2H, m), 7.23(1H, d, J=8.8), 7.20-7.15(1H, m), 5.26(2H, s), 4.22-4.41(2H, m), 3.76(1H, d, J=16.4), 3.52(1H, d, J=16.4), 3.61-3.52(1H, m), 3.45-3.36(1H, m), 2.91-2.85(1H, m), 2.25(3H, s), 2.09-2.02(1H, m), 1.91-1.79(2H, m), 1.73-1.66(1H, m).

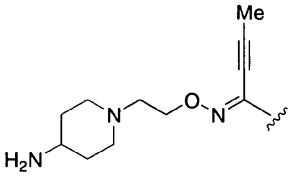
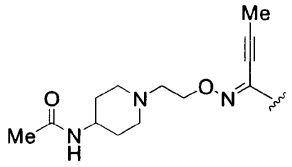
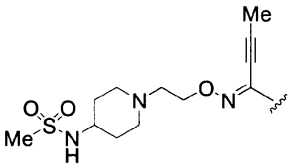
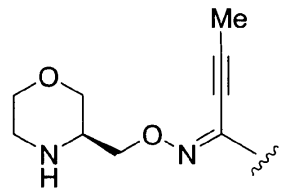
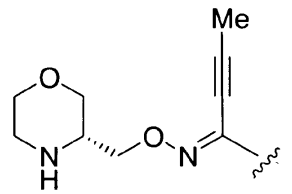
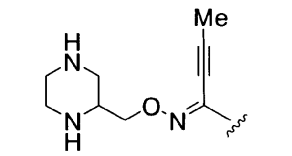
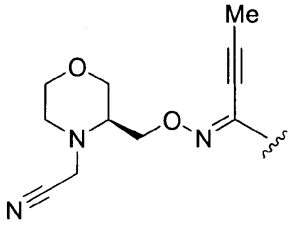
【０１０７】

【表２７】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-90		10.0(1H, s), 8.72(1H, s), 8.56(1H, s), 8.21-8.19(1H, m), 7.93(1H, s), 7.80-7.78(1H, m), 7.67-7.65(1H, m), 7.49-7.42(1H,m), 7.33-7.25(3H, m), 7.19-7.14(1H, m), 5.26(2H, s), 4.40(1H, brs), 4.27-4.19(1H, m), 4.16-4.09(1H, m), 3.10-2.94(2H, m), 2.90-2.80(1H, m), 2.23(3H, s), 1.93-1.82(1H, m), 1.75-1.62(2H, m), 1.61-1.52(1H, m).
VIII-91		10.08(1H, s), 8.74(1H, s), 8.56(1H, s), 8.21(1H, d, J=8.8Hz), 7.93(1H, s), 7.89(1H, d, J=8.8Hz), 7.68-7.63(1H, m), 7.46(1H, dd, J=8.0, J=14.0), 7.33-7.24(2H, m), 7.19-7.14(1H, m), 5.25(2H, s), 4.27-4.18(2H, m), 2.95-2.92(1H, m), 2.62-2.57(1H, m), 2.41(3H, s), 2.23(3H, s), 2.46-2.39(1H, m), 2.04-1.95(1H, m), 1.78-1.73(2H, m), 1.65-1.56(1H, m)
VIII-92		10.0(1H, s), 8.72(1H, s), 8.57(1H, s), 8.21(1H, d, J=8.4), 7.94(1H, s), 7.79(1H, d, J=8.8), 7.68-7.66(1H,m), 7.49-7.44(1H, m), 7.34-7.25(3H, m), 7.19-7.15(1H, m), 5.26(2H, s), 4.93(1H, brs), 3.02(1H, d, J=10.7), 2.25(3H, s), 2.09-2.01(1H, m), 1.77-1.70(1H, m)
VIII-93		10.07(1H, bs), 8.74(1H, bs), 8.59(1H, s), 8.22(1H, d, J=7.6Hz), 7.96(1H, d, J=2.4Hz), 7.80(1H, d, J=8.8Hz), 7.69(1H, dd, J=2.4Hz, J=8.8Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.20-7.17(1H, m), 5.27(2H, s), 4.40(2H, t, J=5.6Hz), 3.56(2H, t, J=8.0Hz), 2.85(2H, t, J=8.4Hz), 2.69(2H, t, J=5.6Hz), 2.25(3H, s), 1.04(6H, d, J=5.6Hz).
VIII-94		10.07(1H, bs), 8.74(1H, bs), 8.59(1H, s), 8.22(1H, d, J=8.8Hz), 7.97(1H, d, J=2.4Hz), 7.80(1H, d, J=8.8Hz), 7.72(1H, bs), 7.69(1H, dd, J=2.4Hz, J=8.8Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.21-7.16(1H, m), 5.27(2H, s), 4.41(2H, t, J=5.6Hz), 3.17(2H, bs), 3.10(2H, s), 2.80(2H, t, J=5.6Hz), 2.70(2H, t, J=5.6Hz), 2.26(3H, s).
VIII-95		10.27(1H, brs), 8.74(1H, s), 8.58(1H, s), 8.23-8.21(1H, m), 7.95(1H, s), 7.80(1H, d, J=8.8), 7.69-7.67(1H,m), 7.50-7.44(1H, m), 7.34-7.26(2H, m),7.20-7.16(1H, m), 5.27(2H, s), 4.39(2H, t, J=5.6Hz), 3.18(8H, brs), 2.96(2H, t, J=5.6Hz), 2.55(3H, s)
VIII-96		10.1(1H, s), 8.79(1H, s), 8.59(1H, s), 8.21(1H, d, J=8Hz), 7.96(1H, s), 7.79(1H, d, J=8.8Hz), 7.68(1H, d, J=8.8Hz), 7.44-7.50(1H, m), 7.24-7.36(3H, m), 7.18(1H, t, J=7.2Hz), 5.27(2H, s), 4.37(2H, t, J=10Hz), 3.29-3.34(2H, m), 2.70(2H, t, J=6.4Hz), 2.26-2.35(4H, m), 2.25(3H, s), 2.14(3H, s)
VIII-97		10.1(1H, s), 8.74(1H, s), 8.59(1H, s), 8.21(1H, d, J=8.8Hz), 7.96(1H, s), 7.80(1H, s), 7.69(1H, s), 7.42-7.50(1H, m), 7.13-7.36(4H, m), 5.27(2H, s), 4.52(1H, s), 4.36(2H, brs), 3.40-3.50(1H, brs), 2.80(2H, brs), 2.69(2H, brs), 2.10-2.27(5H, m), 1.69(2H, brs), 1.40(2H, brs)

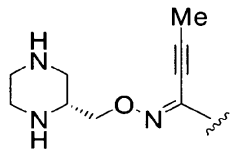
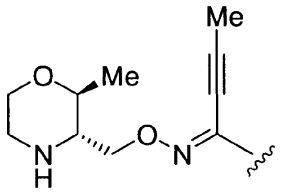
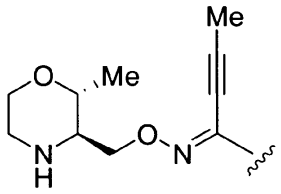
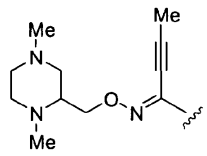
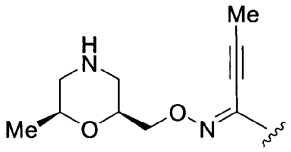
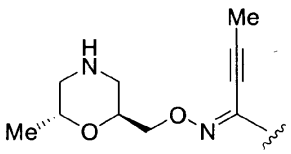
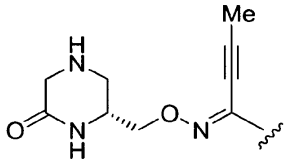
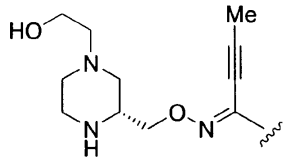
【０１０８】

【表２８】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-98		8.74(1H, s), 8.58(1H, s), 8.21(1H, d, J=9.2Hz), 7.96(1H, s), 7.79(1H, d, J=9.2Hz), 7.68(1H, d, J=9.2Hz), 7.48(1H, dd, J=5.8Hz, J=7.2Hz), 7.35-7.26(3H, m), 7.18(1H, t, J=9.2Hz), 5.27(2H, s), 4.36(2H, t, J=9.2Hz), 3.38(1H, dd, J=5.8Hz, J=7.2Hz), 2.86(2H, d, J=11.6Hz), 2.68(2H, t, J=6.0Hz), 2.25(3H, s), 2.06(2H, t, J=11.2Hz), 1.66(2H, d, J=11.7Hz), 1.09(2H, t, J=7.2Hz).
VIII-99		10.1(1H, bs), 8.78 (1H, bs), 8.59(1H, s), 8.22(1H, d, J=8.0Hz), 7.97(1H, s), 7.81(1H, d, J=8.8Hz), 7.70(1H, d, J=6.4Hz), 7.49-7.45(1H, m), 5.27 (2H, s), 4.49-4.12(2H, m), 3.41-3.38(1H, m), 2.82-2.65(2H, m), 2.25(3H, s), 1.79(3H, s), 1.09(2H, t, J=7.2Hz).
VIII-100		10.07(1H, s), 8.74(1H, s), 8.59(1H, s), 8.21(1H, d, J=9.2Hz), 8.59(1H, s), 8.21(1H, d, J=9.2Hz), 7.96(1H, s), 7.80(1H, d, J=8.4Hz), 7.68(1H, d, J=8.4Hz), 7.50-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=8.0Hz), 7.04(1H, t, J=6.0Hz), 5.20(2H, s), 4.30(2H, bs), 3.10(1H, bs), 2.91(3H, s), 2.63(2H, d, J=2.4Hz), 2.55(3H, s), 2.03-1.99(2H, m), 1.77(2H, d, J=22.0Hz), 1.48-1.38(2H, m), 1.24(2H, bs).
VIII-101		10.09(1H, bs), 8.75(1H, s), 8.58(1H, s), 8.20(1H, d, J=8.7Hz), 7.95(1H, d, J=2.1Hz), 7.80(1H, d, J=8.7Hz), 7.68(1H, d, J=9.0Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m), 7.21-7.16(1H, m), 5.27(2H, s), 4.20-4.09(2H, m), 3.79(1H, dd, J=2.7Hz, J=10.8Hz), 3.68-3.64(1H, m), 3.13-3.08(1H, m), 2.82-2.71(3H, m), 2.26(3H, s).
VIII-102		10.11(1H, bs), 8.74(1H, s), 8.57(1H, s), 8.22-8.19(1H, m), 7.96(1H, m), 7.80(1H, d, J=9.0Hz), 7.69-7.66(1H, m), 7.51-7.44(1H, m), 7.35-7.26(3H, m), 7.21-7.16(1H, m), 5.27(2H, s), 4.20-4.09(2H, m), 3.79(1H, dd, J=3.0Hz, J=10.8Hz), 3.68-3.64(1H, m), 3.25-3.18(1H, m), 3.13-3.05(1H, m), 2.82-2.71(2H, m), 2.26(3H, s).
VIII-103		10.09(1H, brs), 8.74(1H, s), 8.59(1H, s), 8.21(1H, d, 9.0Hz), 7.96(1H, s), 7.79(1H, d, J=9.0Hz) 7.68(1H, d, J=9.0Hz), 7.49-7.44(1H, m), 7.34-7.22(3H, m), 7.19-7.15(1H, m), 5.27(2H, s), 4.11(2H, d, J=4.8Hz), 2.95-2.50(6H, m), 2.34-2.26(4H, m)
VIII-104		10.07(1H, s), 8.75(1H, d, J=1.8Hz), 8.58(1H, s), 8.22(1H, dd, J=1.8Hz, J=9.0Hz), 7.96(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.68(1H, dd, J=1.8Hz, J=9.3Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m), 7.21-7.15(1H, m), 5.27(2H, s), 4.35(1H, dd, J=2.7Hz, J=11.7Hz), 4.24(1H, dd, J=3.9Hz, J=11.7Hz), 4.12(1H, d, J=17.4Hz), 3.90-3.76(3H, m), 3.50(1H, dt, J=2.4Hz, J=11.1Hz), 2.83-2.71(2H, m), 2.26(3H, s).

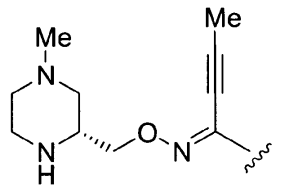
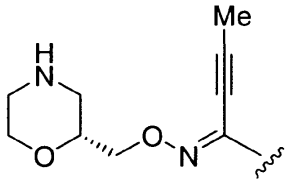
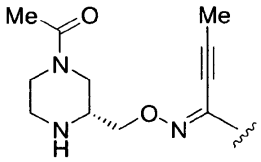
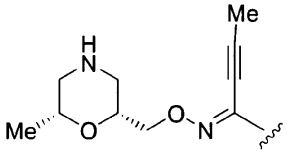
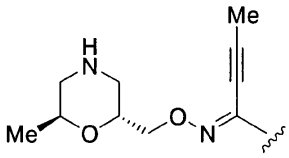
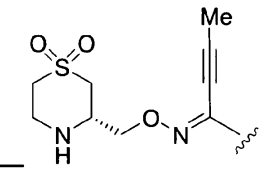
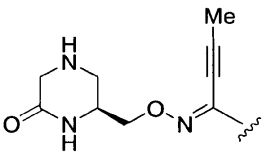
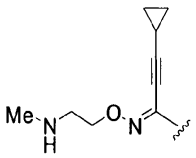
【０１０９】

【表２９】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-105		10.09(1H, brs), 8.73(1H, s), 8.58(1H, s), 8.20(1H, d, 7.8Hz), 7.96(1H, s), 7.79(1H, d, J=9.0Hz), 7.69(1H, d, J=8.4Hz), 7.51-7.42(1H, m), 7.35-7.25(3H, m), 7.22-7.16(1H, m), 5.27(2H, s), 4.31(2H, d, 4.5 Hz), 2.95-2.53(5H, m), 2.34-2.10(5H, m)
VIII-106		10.1(1H, s), 8.75(1H, s), 8.59(1H, s), 8.21(1H, d, J=8.8Hz), 7.97(1H, s), 7.80(1H, d, J=8.4Hz), 7.69(1H, d, J=8.8Hz), 7.43-7.52(1H, m), 7.15-7.37(4H, m), 5.27(2H, s), 4.23-4.29(1H, m), 4.11-4.17(1H, m), 3.69(1H, d, J=12Hz), 3.37-3.45(1H, m), 3.23-3.32(1H, m), 2.66-2.80(3H, m), 2.28-2.40(1H, m), 2.26(3H, s), 1.16(3H, d, J=6Hz)
VIII-107		10.1(1H, s), 8.75(1H, s), 8.59(1H, s), 8.21(1H, d, J=8.8Hz), 7.97(1H, s), 7.80(1H, d, J=8.4Hz), 7.69(1H, d, J=8.8Hz), 7.43-7.52(1H, m), 7.15-7.37(4H, m), 5.27(2H, s), 4.23-4.29(1H, m), 4.11-4.17(1H, m), 3.69(1H, d, J=12Hz), 3.37-3.45(1H, m), 3.23-3.32(1H, m), 2.66-2.80(3H, m), 2.28-2.40(1H, m), 2.26(3H, s), 1.16(3H, d, J=6Hz)
VIII-108		10.09(1H, brs), 8.75(1H, s), 8.59(1H, s), 8.21(1H, d, 10.5Hz), 7.96(1H, s), 7.80(1H, d, J=9.0Hz), 7.68(1H, d, J=9.0Hz), 7.52-7.44(1H, m), 7.35-7.25(3H, m), 7.22-7.16(1H, m), 5.27(2H, s), 4.44(1H, m), 4.18(1H, m), 2.80-2.60(4H, m), 2.32-2.00(12H, m)
VIII-109		10.1(1H, s), 8.74(1H, s), 8.59(1H, s), 8.21(1H, d, J=8.0Hz), 7.96(1H, s), 7.80(1H, d, J=8.8Hz), 7.66-7.70(1H, m), 7.43-7.50(1H, m), 7.15-7.36(4H, m), 5.72(2H, s), 4.10-4.27(2H, m), 3.75-3.82(1H, m), 3.45-3.55(1H, m), 2.85(1H, d, J=10Hz), 2.74(1H, d, J=11Hz), 2.37(1H, t, J=11Hz), 2.26(4H, brs), 1.03(3H, d, J=6.4Hz).
VIII-110		10.1(1H, s), 8.74(1H, s), 8.58(1H, s), 8.21(1H, d, J=8.8Hz), 7.96(1H, s), 7.80(1H, d, J=8.4Hz), 7.68(1H, s, J=9.6Hz), 7.42-7.52(1H, m), 7.14-7.37(4H, m), 5.27(2H, s), 4.38-4.55(2H, m), 3.80-4.05(2H, m), 2.75-2.85(2H, m), 2.65-2.72(1H, m), 2.30-2.40(1H, m), 2.26(3H, s), 1.06(3H, d, J=5Hz)
VIII-111		10.08(1H, s), 8.74(1H, s), 8.59(1H, s), 8.20(1H, d, J=8.7Hz), 7.98(1H, d, J=0.9Hhz), 7.83-7.72(2H, m), 7.10(1H, dd, J=2.7Hz, J=9.0Hz), 7.51-7.44(1H, m), 7.34-7.26(3H, m), 7.22-7.16(1H, m), 5.27(2H, s), 4.32(2H, m), 3.65(1H, m), 3.17(2H, s), 3.10-2.84(3H, m), 2.26(3H, s).
VIII-112		(二塩酸塩) 12.03(1H, brs), 8.93(1H, s), 8.46(1H, d, J=9.0Hz), 8.02(1H, d, J=8.7Hz), 7.92(1H, d, J=2.4Hz), 7.68-7.67(1H, m9, 7.52-7.36(1H, m), 7.35-7.31(3H, m), 7.23-7.19(1H, m), 5.31(2H, s), 4.58(2H, m), 4.33(1H, brs), 3.99-3.23(12H, m), 2.29(3H, s).

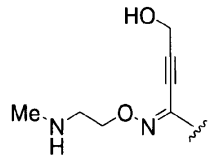
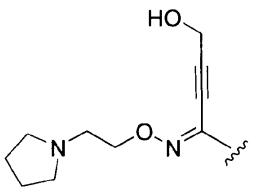
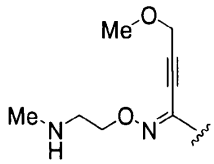
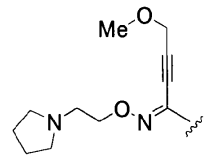
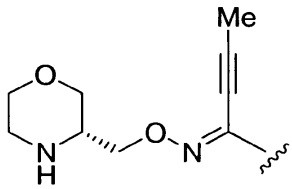
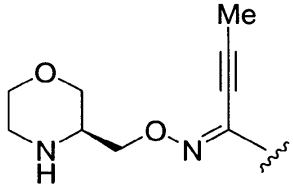
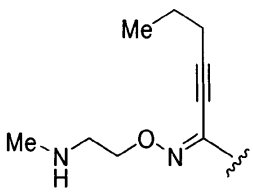
【０１１０】

【表３０】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-113		10.09(1H, brs), 8.74(1H, s), 8.58(1H, s), 8.20(1H, d, J=8.7Hz), 7.96(1H, d, J=2.4Hz), 7.79(1H, d, J=8.7Hz), 7.68(1H, dd, J=2.7Hz, J=9.0Hz), 7.51-7.44(1H, m), 7.36-7.16(4H, m), 5.27(2H, s), 4.15(2H, m), 3.07(1H, m), 2.87-2.55(4H, m), 2.26(3H. s),2.15(3H, s), 1.90(1H, m), 1.71(1H, m).
VIII-114		(二塩酸塩) 11.65(1H, bs), 9.46-9.35(2H, m), 9.04(1H, s), 8.88(1H, s), 7.95(1H, d, J=9.0Hz), 7.89(1H, d, J=2.4Hz), 7.66-7.62(1H, m), 7.52-7.45(1H, m), 7.36-7.31(3H, m), 7.23-7.17(1H, m), 5.31(2H, s), 4.35-4.34(2H, m), 4.24-4.21(1H, m), 4.04-3.98(1H, m), 3.85-3.77(1H, m), 3.05-2.85(3H, m), 2.28(3H, s).
VIII-115		
VIII-116		10.1(1H, s), 8.74(1H, s), 8.59(1H, s), 8.21(1H, d, J=8.0Hz), 7.96(1H, s), 7.80(1H, d, J=8.8Hz), 7.66-7.70(1H, m), 7.43-7.50(1H, m), 7.15-7.36(4H, m), 5.72(2H, s), 4.10-4.27(2H, m), 3.75-3.82(1H, m), 3.45-3.55(1H, m), 2.85(1H, d, J=10Hz), 2.74(1H, d, J=11Hz), 2.37(1H, t, J=11Hz), 2.26(4H, brs), 1.03(3H, d, J=6.4Hz).
VIII-117		10.1(1H, s), 8.74(1H, s), 8.58(1H, s), 8.21(1H, d, J=8.8Hz), 7.96(1H, s), 7.80(1H, d, J=8.4Hz), 7.68(1H, s, J=9.6Hz), 7.42-7.52(1H, m), 7.14-7.37(4H, m), 5.27(2H, s), 4.38-4.55(2H, m), 3.80-4.05(2H, m), 2.75-2.85(2H, m), 2.65-2.72(1H, m), 2.30-2.40(1H, m), 2.26(3H, s), 1.06(3H, d, J=5Hz)
VIII-118		10.10(1H, s), 8.76(1H, s), 8.59(1H, s), 8.22(1H, d, J=8.7Hz), 7.96(1H, d, J=2.1Hz), 7.81(2H, d, J=8.7Hz), 7.69(1H, dd, J=2.1Hz, J=8.7Hz), 7.44-7.52(1H, m), 7.27-7.35(2H, m), 7.16-7.22(1H, m), 5.27(2H, s), 4.20-4.35(2H, m), 3.84-3.98(1H, m), 2.85-3.15(6H, m), 2.28(3H, m).
VIII-119		(二塩酸塩) 9.14(1H, s), 8.91(1H, s), 8.61-8.55(1H, m), 8.41(1H, d, J=9.0Hz), 8.22(1H, d, J=9.0Hz), 8.00-7.97(1H, m), 7.91(1H, s), 7.66(1H, d, J=9.0Hz), 7.52-7.45(1H, m), 7.37-7.30(3H, m), 7.23-7.17(1H, m), 5.32(2H, s), 4.40(2H, m), 4.18(1H, m), 3.65-3.20(4H, m), 2.287(3H, s)
VIII-120		10.1(1H, s), 8.71(1H, s), 8.59(1H, s), 8.16(1H, d, J=8.8Hz), 7.98(1H, s), 7.80(1H, d, J=9.2Hz), 7.69(1H, d, J=9.2Hz), 7.44-7.51(1H, m), 7.14-7.36(4H, m), 5.27(2H, s), 4.31(2H, t, J=5.6Hz), 2.85(2H, t, J=5.6Hz), 2.35(3H, s), 1.70-1.78(1H, m), 1.02-1.07(2H, m), 0.90-0.95(2H, m)

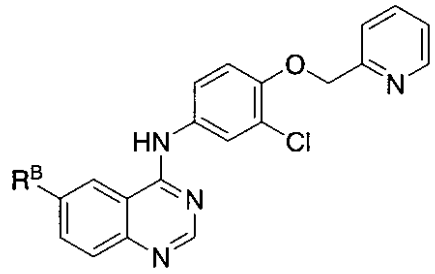
【０１１１】

【表３１】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-121		10.1(1H, s), 8.82(1H, s), 8.61(1H, s), 8.27(1H, d, J=7.6Hz), 7.97(1H, s), 7.84(1H, d, J=9.6Hz), 7.70(1H, d, J=7.6Hz), 7.43-7.51(1H, m), 7.25-7.36(3H, m), 7.15-7.22(1H, m), 5.62(1H, s), 5.72(2H, s), 4.49-4.55(4H, m), 3.29-3.40(2H, m), 2.66(3H s)
VIII-122		10.05(1H, s), 8.76(1H, s), 8.60(1H, s), 8.20(1H, d, J=9.2Hz), 7.97(1H, s), 7.82(1H, d, J=8.8Hz), 7.68(1H, d, J=9.2Hz), 7.53-7.45(1H, m), 7.37-7.27(3H, m), 7.19(1H, t, J=8.4Hz), 5.63(1H, t, J=5.2Hz), 5.27(2H, s), 4.70(2H, d, J=5.2Hz), 4.40(2H, t, J=6.0Hz), 2.81(2H, t, J=6.0Hz), 2.53(4H, bs), 1.68(4H, bs).
VIII-123		10.02 (1H, s), 8.89 (1H, s), 8.60(1H, s), 8.22(1H, d, J=9.3Hz), 8.00(1H, s), 7.83(1H, d, J=8.7Hz), 7.73(1H, d, J=9.6Hz), 7.51-7.44(1H, m), 7.35-7.29(2H, m), 7.22-7.16(1H, m), 5.2782H, s), 4.53(2H, s), 3.40(5H, bs), 2.51(5H, bs).
VIII-124		10.13(1H, s), 8.80(1H, s), 8.61(1H, s), 8.21(1H, d, J=8.4Hz), 7.99(1H, s), 7.83(1H, d, J=8.8Hz), 7.71(1H, d, J=8.8Hz), 7.51-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=8.4Hz), 5.27(2H, s), 4.53(2H, s), 4.46(2H, t, J=5.6Hz), 2.93(2H, bs), 2.65(4H, bs), 1.72(4H, bs).
VIII-125		10.09(1H, s), 8.76(1H, bs), 8.59(1H, s), 8.19(1H, d, J=9.0Hz), 7.96(1H, bs), 7.82(1H, d, J=8.7Hz), 7.67(1H, bd, J=7.5Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m), 7.21-7.16(1H, m), 5.27(2H, s), 4.52(2H, s), 4.23(1H, dd, J=5.7Hz, J=10.8Hz), 4.17(1H, dd, J=6.3Hz, J=10.8Hz), 3.79(1H, dd, J=3.0Hz, J=10.8Hz), 3.65(1H, bd, J=7.8Hz), 3.40(3H, s), 3.27-3.20(1H, m), 3.13-3.04(1H, m).
VIII-126		10.10(1H, bs), 8.76(1H, d, J=1.5Hz), 8.59(1H, s), 8.19(1H, dd, J=1.8Hz, J=8.7Hz), 7.96(1H, d, J=2.1Hz), 7.83(1H, d, J=9.0Hz), 7.71-7.64(1H, m), 7.52-7.44(1H, m), 7.35-7.27(3H, m), 7.22-7.16(1H, m), 5.27(2H, s), 4.53(2H, s), 4.23(1H, dd, J=6.3Hz, J=11.4Hz), 4.17(1H, dd, J=6.3Hz, J=10.8Hz), 3.80(1H, dd, J=3.0Hz, J=10.8Hz), 3.68-3.64(1H, m), 3.12-3.07(1H, m), 2.82-2.70(2H, m).
VIII-127		10.1(1H, s), 8.76(1H, s), 8.59(1H, t, J=5.6Hz), 8.20(1H, d, J=8.8Hz), 7.98(1H, s), 7.81(1H, d, J=8.8Hz), 7.70(1H, d, J=8.8Hz), 7.44-7.51(1H, m), 7.15-7.37(4H, m), 5.27(2H, s), 4.34(2H, t, J=6Hz), 2.86(2H, t, J=5.6Hz), 2.61(2H, t, J=7.2Hz), 2.36(3H, s), 1.67(2H, q, J=7.2Hz), 1.05(3H, t, J=7.2Hz)

【０１１２】

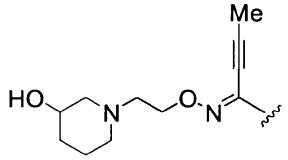
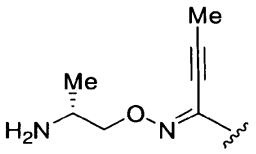
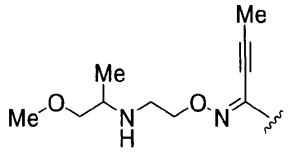
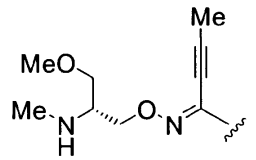
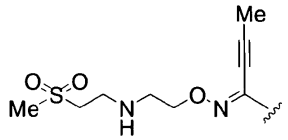
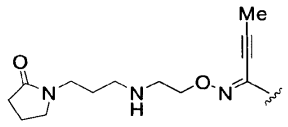
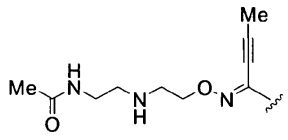
【化８２】



(VIII)

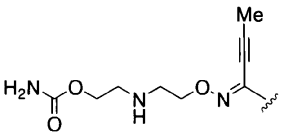
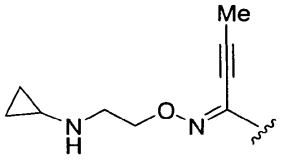
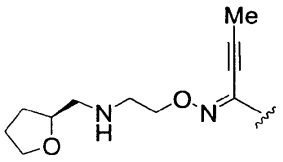
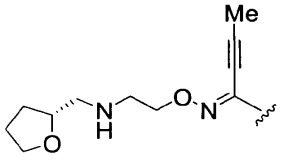
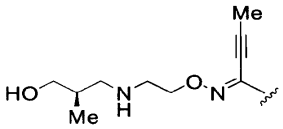
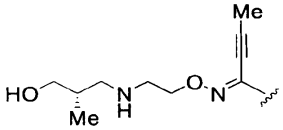
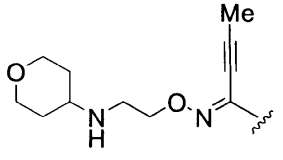
【０１１３】

【表３２】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-128		10.0(1H, s), 8.74(1H, s), 8.60-8.58(2H, m), 8.21(1H, d, J=8.8), 7.96(1H, s), 7.90-7.86(1H, m), 7.79(1H, d, J=8.8), 7.68-7.66(1H, m), 7.58(1H, d, J=7.6), 7.38-7.35(1H, m), 7.27(1H, d, J=8.8), 5.30(2H, s), 4.61-4.60(1H, m), 4.37-4.35(2H, m), 3.52-3.38(1H, m), 2.93-2.92(1H, m), 2.76-2.66(2H, m), 2.24(3H, s), 2.00-1.95(1H, m), 1.89-1.84(1H, m), 1.79-1.77(1H, m), 1.62-1.59(1H, m), 1.45-1.36(1H, m), 1.10-1.02(1H, m).
VIII-129		10.09(1H, s), 8.61-8.59(2H, m), 8.21(1H, d, J=9.2Hz), 8.07(1H, s), 7.89(1H, d, J=7.6Hz), 7.80(1H, d, J=8.4Hz), 7.68(1H, d, J=9.2Hz), 7.37(1H, t, J=7.6Hz), 7.28(1H, d, J=8.8Hz), 5.31(2H, s), 4.60(2H, d J=6.0Hz), 2.27(3H, s), 0.89(3H, d, J=7.6Hz).
VIII-130		(三塩酸塩) 12.58(1H, s), 9.44(1H, s), 9.33(1H, bs), 9.09(1H, bs), 8.95(1H, s), 8.78(1H, d, J=4.4Hz), 8.46(1H, d, J=8.8Hz), 8.23 (1H, t, J=6.8Hz), 8.09(1H, d, J=8.4Hz), 7.94 (1H, d, J=2.4Hz), 7.86(1H, d, J=8.0Hz), 7.72-7.67(2H, m), 7.39(1H, d, J=9.2Hz), 5.51(2H, s), 4.61 (2H, bs), 3.61-3.47(5H, m), 2.28(3H, s), 1.28(3H, d, J=6.4Hz).
VIII-131		10.0(1H, s), 8.74(1H, s), 8.60-8.58(2H, m), 8.20(1H, d, J=8.8), 7.97(1H, s), 7.90-7.86(1H,m), 7.79(1H, d, J=8.4), 7.69-7.67(1H, m), 7.58(1H, d, J=7.6), 7.38-7.35(1H, m), 7.27(1H, d, J=9.2), 5.30(2H, s), 4.24-4.23(2H, m), 3.44-3.34(2H, m), 2.97-2.92(1H, m), 2.38(3H, s), 2.26(3H, s).
VIII-132		10.08(1H, s), 8.98(1H, s), 8.61-8.59(2H, m), 8.23(1H, d, J=8.8Hz), 7.98(1H, s), 7.89(1H, t, J=7.2Hz), 7.80(1H, d, J=8.8Hz), 7.69(1H, d, J=9.2Hz), 7.59(1H, t, J=8.0Hz), 7.37(1H, d, J=7.6Hz), 7.28(1H, d, J=8.8Hz), 5.31(2H, s), 4.33(2H, t J=4.8Hz), 3.26(2H, t, J=6.4Hz), 3.03(5H, bs), 2.94(2H, bs), 2.26(3H, s).
VIII-133		10.0(1H, s), 8.74(1H, s), 8.60-8.58(2H, m), 8.21(1H, d, J=8.0), 7.97(1H, m), 7.90-7.86(1H, m), 7.80(1H, d, J=8.8), 7.69-7.67(1H, m), 7.59(1H, d, J=8.0), 7.38-7.35(1H, m), 7.28(1H, d, J=9.2), 5.30(2H, s), 4.32-4.29(2H, m), 3.22-3.18(2H, m), 2.90-2.87(2H, m), 2.57-2.53(2H, m), 2.25(3H, s), 2.20-2.16(2H, m), 1.91-1.84(2H, m), 1.62-1.55(1H, m)
VIII-134		10.11(1H, brs), 8.75(1H, s), 8.61-8.59(2H, m), 8.22(1H, d, J=9.0Hz), 7.91-7.78(3H, m), 7.67(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.29(1H, d, J=9.0Hz), 5.31(2H, s), 4.32(2H, m), 3.13(2H, m), 2.93(2H, m), 2.66(2H, m), 2.26(3H, s), 1.78(3H, s)

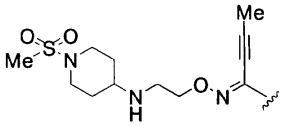
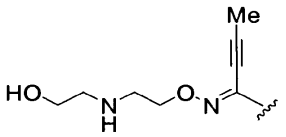
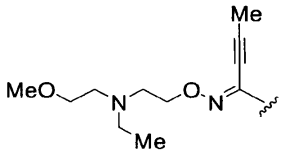
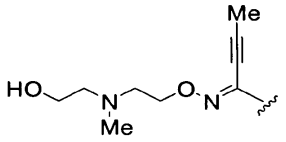
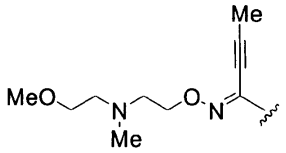
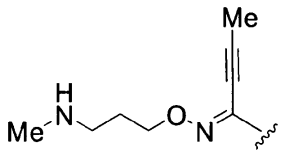
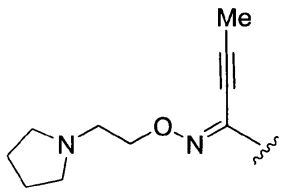
【０１１４】

【表３３】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-135		10.09(1H, brs), 8.75(1H, s), 8.61-8.59(2H, m), 8.22(1H, d, J=9.0Hz), 7.97(1H, s), 7.92-7.86(1H, m), 7.81(1H, d, J=9.0Hz), 7.69(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.29(1H, d, J=9.0Hz), 6.47(2H, brs), 5.31(2H, s), 4.34 (2H, m), 3.99(2H, m), 2.99(2H, m), 2.84(2H, m), 2.26(3H, s)
VIII-136		10.10(1H, brs), 8.75(1H, s), 8.61-8.59(2H, m), 8.22(1H, d, J=9.0Hz), 7.97(1H, s), 7.92-7.86(1H, m), 7.81(1H, d, J=9.0Hz), 7.69(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.29(1H, d, J=9.0Hz), 5.31(2H, s), 4.33 (2H, t, 6.0Hz), 3.00(2H, t, 6.0Hz), 2.25(3H, s), 2.23(1H, m), 0.408(2H, m), 0.29(2H, m)
VIII-137		(三塩酸塩) 12.14(1H, brs), 9.28(1H, s), 8.93(1H, s), 8.64(1H, d, J=4.2Hz), 8.44(1H, d, J=10.5Hz), 8.02-7.91(3H, m), 7.69-7.62(1H, m), 7.46-7.42(1H, m), 7.37(1H, d, 9.0Hz), 5.38(2H, s), 4.59(2H, m), 4.19(1H, m), 3.81(1H, m), 3.71(1H, m), 3.47(2H, m), 3.21(1H, m), 3.02(1H, m), 2.28(3H, s), 2.02(1H, m), 1.84(2H, m), 1.56(1H, m)
VIII-138		(三塩酸塩) 9.28(1H, s), 8.93(1H, s), 8.64(1H, d, J=4.2Hz), 8.44(1H, d, J=10.5Hz), 8.02-7.91(3H, m), 7.69-7.62(1H, m), 7.46-7.42(1H, m), 7.37(1H, d, 9.0Hz), 5.38(2H, s), 4.59(2H, m), 4.19(1H, m), 3.81(1H, m), 3.71(1H, m), 3.47(2H, m), 3.21(1H, m), 3.02(1H, m), 2.28(3H, s), 2.02(1H, m), 1.84(2H, m), 1.56(1H, m)
VIII-139		10.08(1H, s), 8.75(1H, s), 8.61-8.58(2H, m), 8.22(1H, d, J=8.8Hz), 7.98(1H, s), 7.89(1H, t, J=8.0Hz), 7.68 (1H, d, J=8.4Hz), 7.37(1H, t, J=6.4Hz), 7.37(1H, t, J=6.4Hz), 7.28(1H, d, J=8.4Hz), 5.31(2H, s), 4.34(2H, t, J=6.4Hz), 3.33(1H, t, J=6.4Hz), 2.92(2H, t, J=5.2Hz), 2.65-2.61(1H, m), 2.26(3H, s), 1.75-1.70(1H, m), 0.83(3H, d, J=6.8Hz).
VIII-140		10.09(1H, s), 8.75(1H, s), 8.59(2H, bs), 8.22(1H, d, J=8.8Hz), 7.98(1H, s), 7.89(1H, t, J=6.4Hz), 7.80 (1H, d, J=8.8Hz), 7.69(1H, t, J=8.4Hz), 7.59(1H, t, J=8.4Hz), 7.37(1H, d, J=5.2Hz), 7.28(1H, d, J=8.8Hz), 5.31(2H, s), 4.34(2H, t, J=6.4Hz), 3.32(2H, t, J=6.4Hz), 2.92(2H, t, J=5.6Hz), 2.65-2.61(1H, m), 2.26(3H, s), 1.75-1.68(1H, m), 1.24(1H, bs), 0.83(3H, d, J=6.8Hz).
VIII-141		(三塩酸塩) 12.48(1H, s), 9.48(1H, s), 9.42(1H, bs), 9.29(2H, bs), 8.94(1H, s), 8.72(1H, s), 8.47(1H, s), 8.13-8.06 (1H, m), 7.92(1H, s), 7.76(1H, bs), 7.68(1H, bs), 7.59(1H, bs), 7.39(1H, bs), 5.46(2H, s), 4.62 (2H, bs), 3.88(4H, bs), 2.28(3H, s), 2.01-1.94(4H, m), 1.69-1.60(4H, m).

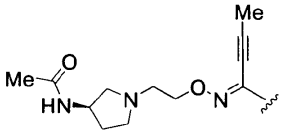
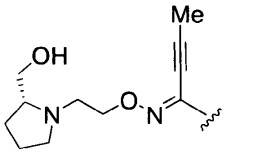
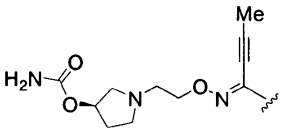
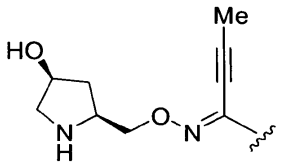
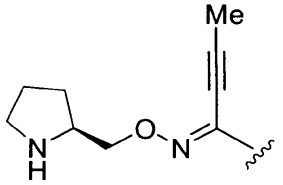
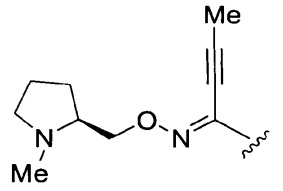
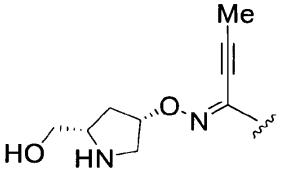
【０１１５】

【表３４】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-142		10.07(1H, s), 8.74(1H, s), 8.59(2H, s), 8.20(1H, bs), 7.97(1H, s), 7.89(1H, bs), 7.80(1H, d, J=8.0Hz), 7.68 (1H, bs), 7.58(1H, d, J=8.8Hz), 7.38(1H, bs), 7.28(1H, d, J=9.2Hz), 5.31(2H, s), 4.31(2H, bs), 3.45(2H, bs), 2.94(2H, bs), 2.85-2.81(5H, m), 2.26(3H, s), 1.89-1.85(2H, m), 1.36-1.28(2H, m).
VIII-143		10.09(1H, brs), 8.74(1H, s), 8.61-8.59(2H, m), 8.22(1H, d, J=9.0Hz), 7.97(1H, s), 7.92-7.86(1H, m), 7.81(1H, d, J=9.0Hz), 7.69(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.29(1H, d, J=9.0Hz), 5.31(2H, s), 4.23(2H, t, 5.4Hz), 3.47(2H, t, 5.4Hz)), 2.91(2H, t, 5.4Hz), 2.65(2H, m), 2.25(3H, s)
VIII-144		(三塩酸塩) 12.4(1H, s), 10.5(1H, s), 9.34(1H, s), 8.93(1H, s), 8.68-8.67(1H, m), 8.45(1H, d, J=9.2), 8.05-8.02(2H, m), 7.92-7.91(1H, m), 7.71-7.66(2H, m), 7.52-7.49(1H, m), 7.37(1H, d, J=8.8), 5.41(2H, s), 4.73-4.67(1H, m), 3.30(6H, s), 2.27 (3H, s),1.29-1.25(1H, m).
VIII-145		10.08(1H, s), 8.75(1H, s), 8.59(2H, bs), 8.22(1H, d, J=8.4Hz), 7.98(1H, bs), 7.89(1H, t, J=8.0Hz), 7.80(1H, d, J=9.2Hz), 7.68 (1H, d, J=8.8Hz), 7.38(1H, d, J=6.4Hz), 7.28(1H, d, J=8.8Hz), 5.31(2H, s), 4.36(4H, t J=6.4Hz), 3.49(2H, bs), 2.79(2H, t, J=6.0Hz), 2.30(3H, s), 2.25(3H, s).
VIII-146		(三塩酸塩) 12.70(1H, s), 10.83(1H, bs), 9.49(1H, s), 8.95(1H, s), 8.77(1H, bs), 8.44(1H, d, J=8.84Hz), 8.23 (1H, bs), 8.10(1H, d, J=8.8Hz), 7.95(1H,s), 7.85(1H, d, J=6.8Hz), 7.74-7.68(2H, m), 7.39(1H, d, J=8.4Hz), 5.51(2H, s), 4.70 (2H, bs), 7.75-7.42(4H, m), 3.48-3.44(1H, m), 3.40(1H, bs), 3.30(3H, s), 2.90(3H, s), 2.28(3H, s).
VIII-147		10.28-10.03(1H, m), 8.75(1H, s), 8.61-8.58(2H, m), 8.21(1H, d, J=8.8Hz), 7.98(1H, s), 7.89(1H, t, J=8.0Hz), 7.79(1H, d, J=7.2Hz), 7.68(1H, d, J=8.0Hz), 7.37(1H, t, J=6.0Hz), 7.28(1H, t, J=8.8Hz), 5.31(2H, s), 4.33(2H, t J=6.4Hz), 2.31(3H, s), 2.06(3H, s), 1.88(2H, t, J=6.4Hz).
VIII-148		10.09(1H, brs), 8.75(1H, s), 8.61-8.57(2H, m), 8.22(1H, d, J=9.0Hz), 7.98(1H, s), 7.92-7.86(1H, m), 7.80(1H, d, J=9.0Hz), 7.68(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.28(1H, d, J=9.0Hz), 5.31(2H, s), 4.37(2H, m), 2.82(2H, m), 2.54(4H, m), 2.25(3H, s), 1.69(4H, m)

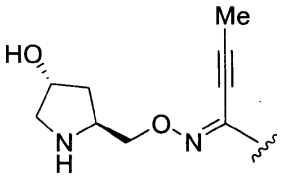
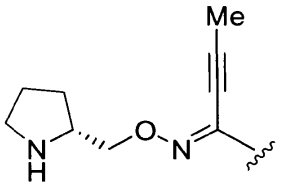
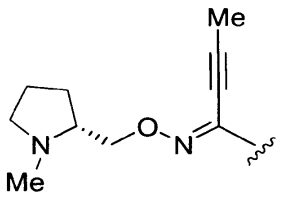
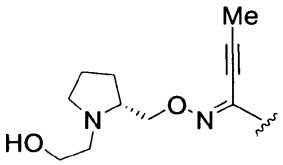
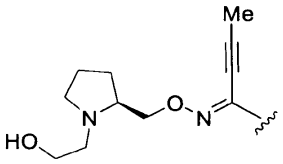
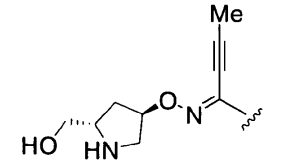
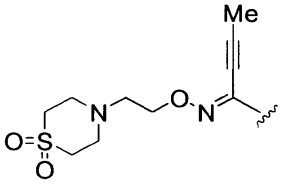
【０１１６】

【表３５】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-149		10.09(1H, s), 8.75(1H, s), 8.70(2H, s), 8.20(1H, d, J=8.0Hz), 8.07(2H, s), 7.98(1H, t, J=4.8Hz), 7.88(1H, t, J=8.0Hz), 7.68(1H, d, J=8.0Hz), 7.38(1H, s), 7.28(1H, d, J=9.6Hz), 5.31(2H, s), 4.42(2H, s), 4.29-4.24(1H, m), 2.91-2.76(2H, m), 2.25(3H, s), 2.17-2.12(1H, m), 1.75(3H, s), 1.53-1.34(1H, m), 1.11(2H, d, J=4.4Hz).
VIII-150		10.09(1H, s), 8.75(1H, s), 8.59(2H, s), 8.21(1H, bs), 7.98(1H, s), 7.89(1H, s), 7.79(1H, s), 7.68 (1H, s), 7.58(1H, s), 7.37(1H, s), 7.28(1H, s), 5.31(2H, s), 4.36(2H, bs), 2.71(2H, bs), 2.25(3H, s), 1.81(1H, bs), 1.66(2H, bs), 1.52(1H, bs), 1.24(2H, bs).
VIII-151		10.09(1H, brs), 8.75(1H, s), 8.61-8.59(2H, m), 8.22(1H, d, J=9.0Hz), 7.97(1H, s), 7.92-7.86(1H, m), 7.80(1H, d, J=9.0Hz), 7.69(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.28(1H, d, J=9.0Hz), 6.48(2H, brs), 5.31(2H, s), 4.94(1H, m), 4.37 (2H, m), 2.81-2.63(5H, m), 2.44(1H, m), 2.25(3H, s), 2.14(1H, m), 1.69(1H, m)
VIII-152		10.13(1H, brs), 8.79(1H, s), 8.61-8.58(2H, m), 8.23(1H, dd, J=1.8Hz, J=8.7Hz), 7.98(1H, d, J=2.7Hz), 7.92-7.86(1H, m), 8.80(1H, d, J=8.7Hz), 7.79(1H, dd, J=2.7Hz, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.39-7.35(1H, m), 7.28(1H,d, J=9.0Hz), 5.31(2H, s), 4.91(1H, brs), 4.36-4.24(3H, m), 3.59(1H, m), 2.99-2.812(2H, m), 2.26(3H, s), 2.13(1H, m), 1.50(1H,m).
VIII-153		10.0(1H, br), 8.64(1H, s), 8.62-8.55(2H, m), 8.20(1H, d, J=8.8), 7.96(1H, s), 7.90-7.87(1H, m), 7.79(1H, d, J=8.4), 7.68-7.66(1H,m), 7.58(1H, d, J=8.4), 7.38-7.35(1H, m), 7.27(1H, d, J=8.8), 5.30(2H, s), 4.18-4.08(2H, m), 3.43-3.40(1H, m), 3.69(3H, s), 2.84-2.77(2H, m), 2.25(3H, s), 1.88-1.55(3H, m), 1.50-1.38(1H, m).
VIII-154		10.08(1H, br), 8.75(1H, s), 8.60-8.58(2H, m), 8.21-8.19(1H,m), 7.98-7.97(1H, m), 7.93-7.86(1H, m), 7.79(1H, d, J=8.8), 7.70-7.67(1H, m), 7.58(1H, d, J=8.0), 7.38-7.35(1H, m), 7.27(1H, d, J=9.2), 5.30(2H, s), 4.30-4.20(2H, m), 3.01-2.96(1H, m), 2.68(1H, br), 2.41(3H, s), 2.24(3H, s), 1.99-1.89(1H, m), 1.73-1.66(2H, m), 1.62-1.53(1H, m).
VIII-155		10.0(1H, brs), 8.73(1H, s), 8.60-8.58(2H, m), 8.31(1H, s), 8.22-8.20(1H, m), 7.96(1H, s), 7.90-7.86(1H, m), 7.79(1H, d, J=8.8), 7.68-7.66(1H, m), 7.59(1H, d, J=7.6), 7.38-7.35(1H, m), 7.28(1H, d, J=9.2), 5.30(2H, s), 4.93(1H, brs), 3.02(1H, d, J=11.6), 2.24(3H, s), 2.06-2.01(1H, m), 1.77-1.70(1H, m).

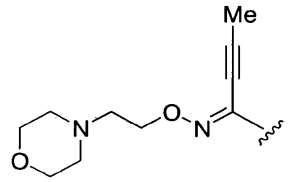
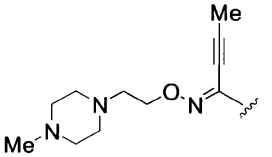
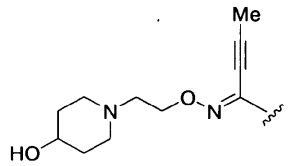
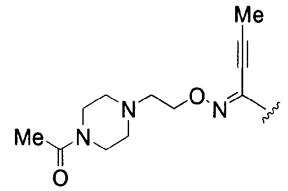
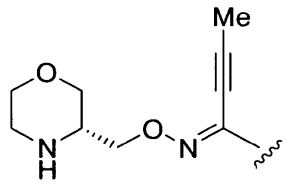
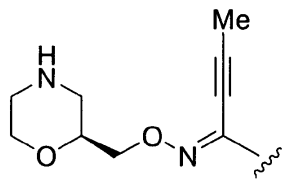
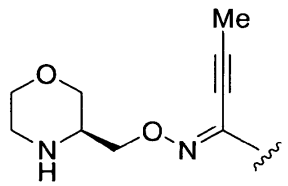
【０１１７】

【表３６】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-156		10.13(1H, brs), 8.81(1H, s), 8.61-8.59(2H, m), 8.24(1H, d, J=10.5Hz), 7.99(1H, s), 7.92-7.88(1H, m), 7.81(1H, d, J=9.0Hz), 7.70(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.38-7.36(1H, m), 7.28(1H, d, J=9.0Hz), 5.31(2H, s), 4.92(1H, s), 4.28(3H, m), 3.82(1H, m), 3.09(1H, d, 11.4Hz), 3.83(1H, d, 11.4Hz), 2.27(3H, s), 1.87(1H, m), 1.65(1H, m)
VIII-157		10.03(1H, br), 8.73(1H, s), 8.59-8.58(1H, m), 8.55(1H, s), 8.20(1H, d, J=8.8), 7.94(1H, s), 7.89-7.85(1H, m), 7.78(1H, d, J=8.4), 7.66-7.64(1H, m), 7.57(1H, d, J=7.6), 7.38-7.35(1H, m), 7.25(1H, d, J=8.8), 5.28(2H, s), 4.20-4.08(2H, m), 2.85-2.74(2H, m), 2.24(3H, s), 1.82-1.76(1H, m), 1.73-1.58(2H, m), 1.48-1.39(1H, m)
VIII-158		10.07(1H, br), 8.74(1H, s), 8.60-8.58(2H, m), 8.22-8.19(1H,m), 7.98-7.97(1H, m), 7.93-7.86(1H, m), 7.80(1H, d, J=9.2), 7.70-7.67(1H, m), 7.59(1H, d, J=7.6), 7.38-7.35(1H, m), 7.28(1H, d, J=9.2), 5.30(2H, s), 4.30-4.20(2H, m), 3.01-2.96(1H, m), 2.65(1H, br), 2.40(3H, s), 2.24(3H, s), 1.99-1.89(1H, m), 1.73-1.66(2H, m), 1.62-1.53(1H, m).
VIII-159		10.08(1H, s), 8.73(1H, s), 8.59-8.56(2H, m), 8.21-8.19(1H, m), 7.94(1H, s), 7.90-7.86(1H, m), 7.79(1H, d, J=8.8), 7.66-7.64(1H, m), 7.58(1H, d, J=7.6), 7.38-7.35(1H, m), 7.26(1H, d, J=9.2), 5.29(2H, s), 4.44(1H, brs), 4.25-4.21(1H, m), 4.15-4.11(1H, m), 3.05-2.96(2H, m), 2.46-2.39(1H, m), 2.23(2H, s), 1.92-1.82(1H, m), 1.73-1.63(2H, m), 1.59-1.54(1H, m).
VIII-160		10.0(1H, s), 8.72(1H, s), 8.61-8.53(2H, m), 8.21-8.19(1H, m), 7.94(1H, s), 7.89-7.86(1H, m), 7.79(1H, d, J=8.8), 7.66-7.64(1H,m), 7.58(1H, d, J=8.0), 7.38-7.35(1H, m), 7.26(1H, d, J=9.2), 5.29(2H, s), 4.44(1H, brs), 4.25-4.21(1H, m), 4.15-4.11(1H, m), 3.05-2.96(2H, m), 2.45-2.39(1H, m), 2.23(3H, s), 1.92-1.82(1H, m), 1.73-1.63(2H, m), 1.60-1.53(2H, m).
VIII-161		10.0(1H, brs), 8.73(1H, s), 8.60-8.57(2H, m), 8.21(1H, d, J=8.4), 7.95(1H, s), 7.90-7.86(1H, m), 7.79(1H, d, J=8.8), 7.67-7.65(1H, m), 7.58(1H, d, J=7.6), 7.38-7.35(1H, m), 7.27(1H, d, J=8.8), 5.30(2H, s), 4.93(1H, brs), 3.02(1H, d, J=11.6), 2.24(3H, s), 2.06-2.01(1H, m), 1.77-1.70(1H, m)
VIII-162		10.07(1H, s), 8.75(1H, s), 8.61-8.59(2H, m), 8.23(1H, d, J=8.8Hz), 7.98(1H, d, J=2.4Hz), 7.89(1H, t, J=8.4Hz), 7.80(1H, d, J=8.8Hz), 7.68(1H, d, J=6.4Hz), 7.57(1H, t, J=11.8Hz), 7.28(1H, d, J=8.8Hz), 5.31(2H, s), 4.40(2H, t J=5.2Hz), 3.32(4H, s), 3.09(4H, bs), 2.96(2H, t, J=5.6Hz), 2.26(3H, s).

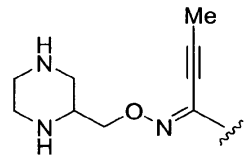
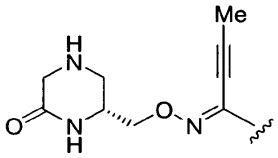
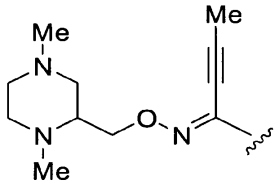
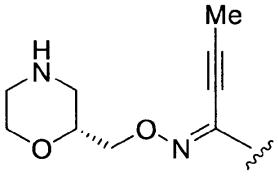
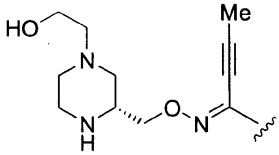
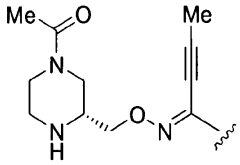
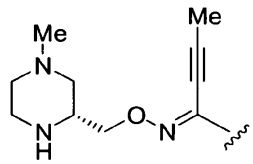
【０１１８】

【表３７】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-163		10.07(1H, s), 8.75(1H, s), 8.59(2H, bs), 8.21(1H, d, J=4.8Hz), 7.98(1H, s), 7.89(1H, t, J=7.6Hz), 7.80(1H, d, J=8.4Hz), 7.68(1H, d, J=8.4Hz), 7.60(1H, t, J=8.4Hz), 7.37(1H, t, J=7.6Hz), 7.28(1H, d, J=8.8Hz), 5.31(2H, s), 4.40(2H, t J=4.8Hz), 3.60(4H, bs), 2.72(4H, t, J=4.8Hz), 2.25(3H, s).
VIII-164		10.0(1H, s), 8.73(1H, s), 8.60-8.57(2H, m), 8.20(1H, d, J=8.8), 7.96(1H, s), 7.90-7.86(1H, m), 7.79(1H, d, J=8.4), 7.67-7.65(1H, m), 7.58(1H, d, J=7.6), 7.38-7.35(1H, m), 7.27(1H, d, J=8.8), 5.30(2H, s), 4.38-4.35(2H, m), 2.71-2.68(2H, m), 2.31(1H, br), 2.24(3H, s), 2.13(3H, s).
VIII-165		10.0(1H, s), 8.73(1H, s), 8.62-8.54(2H, m), 8.21-8.19(1H, m), 7.96(1H, s), 7.90-7.86(1H, m), 7.80-7.78(1H, m), 7.68-7.66(1H, m), 7.59(1H, d, J=8.0), 7.38-7.36(1H, m), 7.27(1H, d, J=8.8), 5.30(2H, s), 4.54(1H, brs), 4.37-4.34(2H, m), 2.83-2.75(2H, m), 2.69-2.66(2H, m), 2.24(3H, s), 2.17-2.11(2H, m), 1.71-1.69(2H, m), 1.71-1.69(2H, m), 1.44-1.32(2H, m).
VIII-166		10.08(1H, s), 8.75(1H, s), 8.59(2H, bs), 8.22(1H, d, J=8.8Hz), 7.80(1H, s), 7.89(1H, t, J=6.4Hz), 7.80(1H, d, J=8.4Hz), 7.70-7.67 (1H, m), 7.59(1H, d, J=8.4Hz), 7.37(1H, bs), 7.28(1H, d, J=8.0Hz), 5.31(2H, s), 4.41(2H, t J=4.4Hz), 3.43(2H, bs), 2.76(2H, bs), 2.26(3H, s), 1.99(3H, s).
VIII-167		10.10(1H, s), 8.73(1H, s), 8.60-8.56(2H, m), 8.20(1H, d, J=8.8), 7.94(1H, s), 7.90-7.86(1H,m), 7.79(1H, d, J=8.8), 7.68-7.64(1H, m), 7.58(1H, d, J=7.6), 7.38-7.35(1H, m), 7.27(1H, d, J=9.2), 5.29(2H, s), 4.20-4.08(2H, m), 3.79(1H, d, J=10.4), 3.65(1H, d, J=11.2), 3.25-3.20(1H, m), 3.09(1H, br), 2.83-2.70(2H, m), 2.25(3H, s)
VIII-168		10.0(1H, s), 8.73(1H, s), 8.59-8.57(2H, m), 8.19(1H, d, J=8.8), 7.95(1H, s), 7.89-7.85(1H,m), 7.78(1H, d, J=8.8), 7.68-7.65(1H, m), 7.58(1H, d, J=7.6), 7.37-7.34(1H, m), 7.26(1H, d, J=8.8), 5.29(2H, s), 4.26-4.14(2H, m), 3.75-3.72(2H, m), 2.85(1H, d, J=12.4), 2.69-2.61(2H, m), 2.45(1H, d, J=10.8), 2.25(3H, s).
VIII-169		10.0(1H, s), 8.74(1H, s), 8.60-8.58(2H, m), 8.20(1H, d, J=8.8), 7.96(1H, s), 7.90-7.86(1H,m), 7.80(1H, d, J=8.8), 7.68-7.66(1H, m), 7.59(1H, d, J=7.6), 7.38-7.35(1H, m), 7.27(1H, d, J=9.2), 5.30(2H, s), 4.20-4.08(2H, m), 3.79(1H, d, J=10.4), 3.65(1H, d, J=11.2), 3.25-3.20(1H, m), 3.09(1H, br), 2.83-2.70(2H, m), 2.26(2H, s).

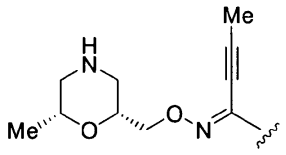
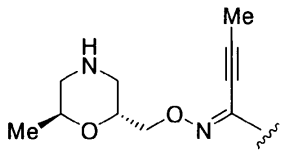
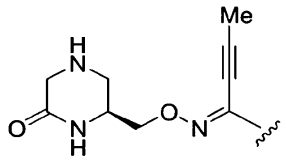
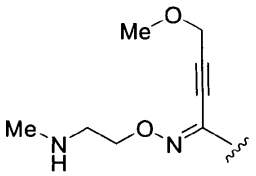
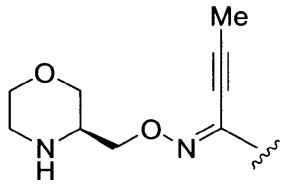
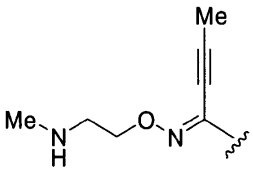
【０１１９】

【表３８】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-170		10.09(1H, brs), 8.74(1H, s), 8.61-8.58(2H, m), 8.22(1H, d, J=10.5Hz), 7.97(1H, s), 7.92-7.86(1H, m), 7.80(1H, d, J=9.0Hz), 7.68(1H, d, J=10.5Hz), 7.59(1H, d, J=8.1Hz), 7.39-7.35(1H, m), 7.28(1H, d, J=9.0Hz), 5.31(2H, s), 4.12(2H, d, 4.5Hz), 2.95-2.53(5H, m), 2.34-2.09(5H, m)
VIII-171		10.08(1H, brs), 8.74(1H, s), 8.61-8.59(2H, m), 8.21(1H, d, J=9.0Hz), 7.98(1H, s), 7.92-7.86(1H, m), 7.81(1H, d, J=9.0Hz), 7.75(1H, s), 7.67(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.29(1H, d, J=9.0Hz), 5.31(2H, s), 4.31(2H, m), 3.66(1H, m), 3.27-3.10(2H, m), 2.99-2.80(2H, m)
VIII-172		10.09(1H, brs), 8.74(1H, s), 8.61-8.59(2H, m), 8.22(1H, d, J=9.0Hz), 7.97(1H, s), 7.92-7.86(1H, m), 7.81(1H, d, J=9.0Hz), 7.68(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.29(1H, d, J=9.0Hz), 5.31(2H, s), 4.44(1H, m), 4.16(1H, m), 2.70-2.51(4H, m), 2.30-2.16(10H, m), 2.09-1.88(2H, m)
VIII-173		10.0(1H, br), 8.74(1H, s), 8.60-8.58(2H, m), 8.20(1H, d, J=8.8), 7.97(1H, s), 7.90-7.86(1H, m), 7.80(1H, d, J=8.4), 7.68-7.66(1H,m), 7.59(1H, d, J=8.0), 7.38-7.35(1H, m), 7.28(1H, d, J=9.2), 5.30(2H, s), 4.26-4.14(2H, m), 3.75-3.72(2H, m), 3.48-3.42(2H, m), 2.85(1H, d, J=12.4), 2.69-2.60(2H, m), 2.45(1H, d, J=10.4), 2.26(3H, s)
VIII-174		(三塩酸塩) 12.31(1H, brs), 9.41(1H, s), 8.97(1H, s), 8.73(1H, d, J=1.8Hz), 8.49(1H, d, 8.7Hz), 8.17-8.05(2H, m), 7.94(1H, s), 7.77(1H, d, J=7.5Hz), 7.69(1H, d, 8.7Hz), 7.59(1H, t, J=5.7Hz), 7.38(1H, d, J=8.7Hz), 5.46(2H, s), 4.60(2H, m), 4.35-3.31(12H, m), 2.30(3H, s).
VIII-175		
VIII-176		(三塩酸塩) 12.31(1H, brs), 9.41(1H, s), 8.97(1H, s), 8.73(1H, d, J=5.4Hz), 8.49(1H, d, J=8.7Hz), 8.13(1H, s), 8.07(1H, d, J=9.0Hz), 7.94(1H, s), 7.72(1H, d, J=8.7Hz), 7.02(1H, d, J=9.0Hz), 7.59(1H, s), 7.38(1H, d, J=9.0Hz), 5.46(2H, s), 4.65-3.62(10H, m), 2.89(3H, s), 2.30(3H,s).

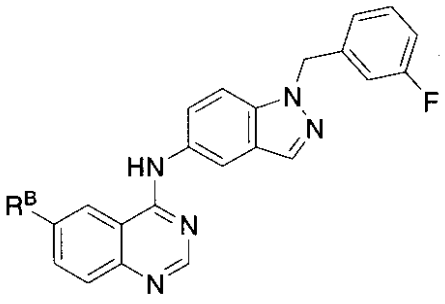
【０１２０】

【表３９】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-177		10.1(1H, s), 8.74(1H, s), 8.59(2H, brs), 8.21(1H, d, J=8.8Hz), 7.97(1H, s), 7.85-7.92(1H, m), 7.80(1H, d, J=8.4Hz), 7.67(1H, d, J=9.6Hz), 7.59(1H, d, J=6.4Hz), 7.34-7.40(1H, m), 7.29(1H, d, J=8.8Hz), 5.31(2H, m), 4.10-4.35(2H, m), 3.75-3.82(1H, m), 3.48(1H, m), 2.85(1H, d, J=12Hz), 2.74(1H, d, J=13Hz), 2.34-2.41(1H, m), 2.26(4H, brs), 1.03(3H, d, J=6.0Hz)
VIII-178		10.1(1H, s), 8.74(1H, s), 8.59(2H, brs), 8.21(1H, d, J=8.8Hz), 7.97(1H, s), 7.79-7.93(2H, m), 7.66-7.70(1H, m), 7.59(1H, d, J=6.4Hz), 7.38(1H, brs), 7.29(1H, d, J=8.8Hz), 5.31(2H, m), 4.37-4.56(2H, m), 3.95-4.02(1H, m), 3.80-3.88(1H, m), 2.62-2.85(3H, m), 2.31-2.4(1H, m), 2.26(3H, s), 1.06(3H, d, J=5.2Hz)
VIII-179		10.06(1H, brs), 8.75(1H, s), 8.61-8.59(2H, m), 8.22(1H, d, J=9.0Hz), 7.97(1H, s), 7.92-7.86(1H, m), 7.81(1H, d, J=9.0Hz), 7.76(1H, s), 7.69(1H, d, J=9.0Hz), 7.59(1H, d, J=7.8Hz), 7.40-7.36(1H, m), 7.29(1H, d, J=9.0Hz), 5.31(2H, s), 4.30 (2H, m), 3.65(1H, m), 3.16(2H, m), 2.99-2.80(2H, m), 2.26(3H, s)
VIII-180		10.0(1H, brs), 8.76(1H, s), 8.60-8.58(2H, m), 8.19(1H, d, J=8.8), 7.97(1H, s), 7.89-7.86(1H,m), 7.81(1H, d, J=8.8), 7.68-7.66(1H, m), 7.58(1H, d, J=7.6), 7.38-7.35(1H, m), 7.27(1H, d, J=8.8), 5.30(2H, s), 4.51(2H, s), 4.38-4.35(2H, m), 3.40(3H, s), 2.87-2.84(2H, m), 2.34(3H, s)
VIII-181		10.0(1H, s), 8.76(1H, s), 8.59(2H, s), 8.19(1H, d, J=8.8), 7.97(1H, s), 7.90-7.86(1H, m), 7.82(1H, d, J=8.8), 7.69-7.66(1H, m), 7.59(1H, d, J=8.0), 7.38-7.35(1H, m), 7.28(1H, d, J=8.8), 5.30(2H, s), 4.52(2H, s), 4.25-4.15(2H, m), 3.82-3.79(1H, m), 3.67-3.64(1H, m), 3.40(3H, s), 3.26-3.21(2H, m), 3.14-3.05(1H, m), 2.81-2.72(2H, m)
VIII-182		10.1(1H, s), 8.79(1H, s), 8.60(2H, s), 8.25(1H, d, J=7.6Hz), 7.98(1H, s), 7.89(1H, bs), 7.81(1H, d, J=7.6Hz), 7.69(1H, d, J=7.6Hz), 7.60(1H, d, J=7.2Hz), 7.38(1H, bs), 7.29(1H, d, J=8.4Hz), 5.31(2H, s), 4.43(2H, bs), 3.14(2H, bs), 2.52(3H, s), 2.27(3H, s)

【０１２１】

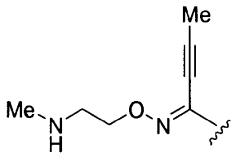
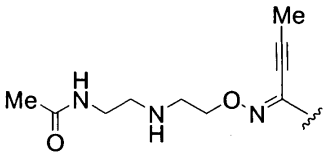
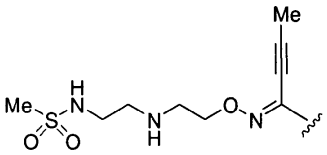
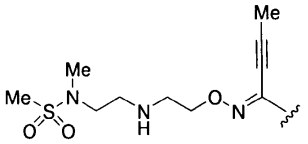
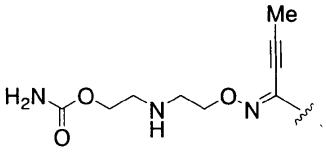
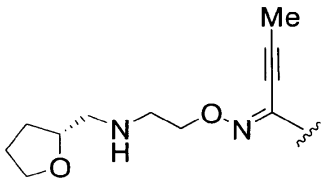
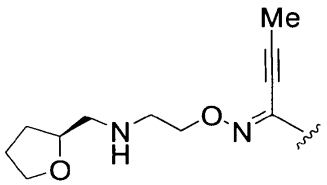
【化８３】



(VIII)

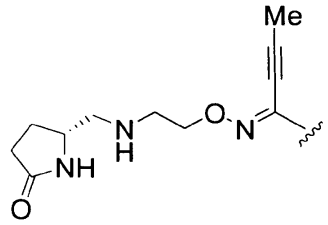
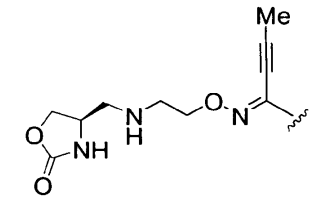
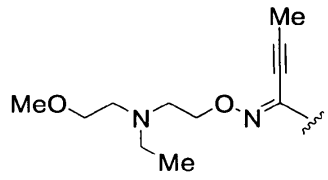
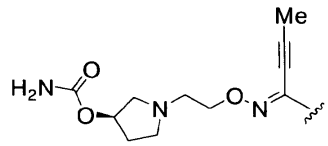
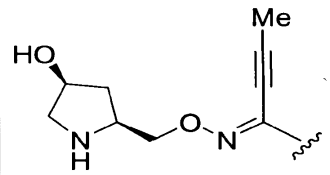
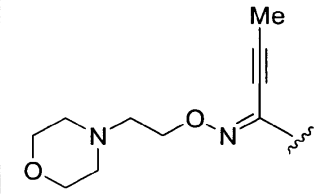
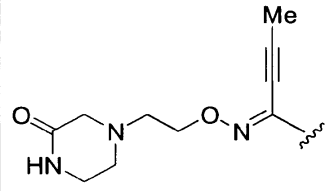
【０１２２】

【表４０】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-183		10.19(1H, s), 8.78(1H, s), 8.53(1H, s), 8.23(1H, dd, J=8.4Hz, J=4.0Hz), 8.17(1H, s), 8.14(1H, s), 7.80-7.65(3H, m), 7.40-7.35(1H, m), 7.13-7.04(3H, m), 5.72(2H, s), 4.32(2H, t, J=6.0Hz), 2.86(2H, t, J=6.0Hz), 2.35(3H, s), 2.25(3H, s).
VIII-184		(二塩酸塩) 12.46(1H, s), 9.37(1H, s), 8.87(1H, s), 8.48(1H, d, J=8.7Hz), 8.27(1H, t, J=5.4Hz), 8.24(1H, s), 8.03(2H, m), 7.85(1H, d, J=9.0Hz), 7.68(1H, d, 9.0Hz), 7.35(1H, s), 7.13-7.05(3H, m), 5.75(2H, s), 4.58(2H, m), 7.13-7.05(3H, m), 5.75(2H, s), 4.58(2H, m), 3.51-3.37(4H, m), 3.11(2H, m), 2.27(3H, s), 1.01(1H, s).
VIII-185		(二塩酸塩)10.12(1Hs), 8.82(1H, d, J=1.5Hz), 8.52(1H, s), 8.22(1H, dd, J=1.8Hz, J=8.7Hz), 8.14(1H, s), 7.80(1H, s), 7.80(1H, s), 7.77-7.68(3H, m), 7.40-7.33(1H, m), 7.12-7.04(3H, m), 5.71(2H, s), 4.86(1H, brs), 4.28(3H, m), 3.58(1H, m), 2.95-2.78(2H, m), 2.25(3H, s), 2.11(1H, m), 1.47(1H, m).
VIII-186		10.18(1H, s), 8.78(1H, s), 8.52(1H, s), 8.23-8.12(3H, m), 7.79-7.65(3H, m), 7.41-7.32(1H, m), 7.18(7.02)(3H, m), 5.71(2H, s), 4.31(2H, m), 3.14(2H, m), 2.29(2H, m), 2.87(3H, s)2.77(6H, m), 2.24(3H, s).
VIII-187		10.19(1Hs), 8.78(1H, s), 8.52(1H, s), 8.23-8.12(3H, m), 7.80-7.65(3H, m), 7.38-7.33(1H, m), 713-7.03(3H, m), 6.49(2H, brs), 5.71(2H, s), 4.31(2H, m), 4.04-3.95(2H, m), 2.92(2H, m), 2.78(2H, m), 2.25(3H, s).
VIII-188		(二塩酸塩) 12.09(1H, s), 8.96(1H, s), 8.83(1H, s), 8.43(1H, d, J=8.7Hz), 8.06(1H, s), 7.97(1H, d, J=8.4Hz), 7.83(1H, d, J=9.0Hz), 7.67(1H, d, J=1.8Hz), 7.65(1H, dd, J=2.1Hz, J=9.0Hz), 7.41-7.34(1H, m), 7.14-7.05(3H, m), 5.71(2H, s), 4.54(2H, m), 4.19(1H, m), 3.83-3.70(2H, m), 3.68-2.95(5H, m), 2.27(3H, s), 2.04(1H, m), 1.93(1H, m), 1.56(1H, m).
VIII-189		(二塩酸塩) 12.21(1H, brs), 8.97(1H, brs), 8.84(1H, s), 8.43(1H, dd, J=1.5Hz, J=9.0Hz), 8.07(1H, s), 8.01(1H, s), 7.99(1H. d, J=9.0Hz), 7.84(1H, d, J=9.0Hz), 7.67(1H, dd, J=1.8Hz, J=9.0Hz), 7.41-7.32(1H, m), 7.14-7.05(3H, m), 5.74(2H, s), 4.59(2H, m), 4.21(1H, m), 3.82-3.65(2H, m), 3.62-3.05(8H, m), 2.28(3H, s), 2.02(1H, m), 1.83(1H, M), 1.55(1H, m).

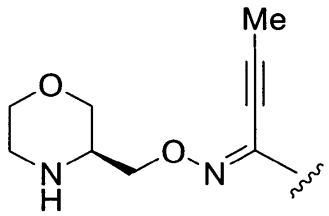
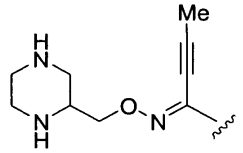
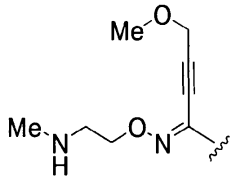
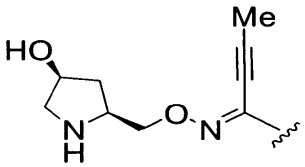
【０１２３】

【表４１】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-190		(二塩酸塩) 12.18(1H, s), 9.29(1H, s), 8.45(1H, dd, J=1.2, J=9.0Hz), 8.23(1H, s), 8.06(1H, s), 8.06(1H, d, J=1.2Hz), 7.99(1H, d, J=8.7Hz), 7.87-7.82(1H, m), 7.67(1H, dd, J=1.2Hz, J=9.0Hz), 7.39-7.14(1H, m), 7.14-7.05(3H, m), 5.74(2H, s), 4.61(2H(, m), 3.95(1H, m), 8.23(2H, m), 3.13(3H, m), 2.28(3H, s), 2.17(1H, m), 1.78(1H, m).
VIII-191		(二塩酸塩) 12.18(1H, s), 9.12(1H, s), 8.87(1H, s), 8.46(1H, d, J=8.7Hz), 8.43(1H, s), 8.23(1H, s), 8.04-7.97(2H, m), 7.87-7.82(1H, m), 7.64(1H, dd, J=1.2Hz, J=9.0Hz), 7.37-7.14(1H, m), 7.11-7.05(3H, m), 5.74(2H, s), 4.61(2H(, m), 4.09-3.26(7H, m), 2.26(3H, s), 2.17(1H, m), 1.79(1H, s).
VIII-192		10.17(1H, s), 8.78(1H, s), 8.51(1H,s), 8.20(1H, dd, J=1.8Hz, J=8.7Hz), 8.14(1H, s), 7.80-7.65(3H, m), 7.40-7.33(1H, m), 7.13-7.03(3H, m), 5.71(2H, s), 4.31(2H, t, J=5.7Hz), 3.41(2H, t, J=6.3Hz), 3.22(3H, s), 2.85(2H, m), 2.70-2.57(4H, m), 2.23(3H, s), 0.99(2H, t, J=7.2Hz).
VIII-193		10.19(1H, s), 8.78(1H, s), 8.52(1H, s), 8.21(1H, d, J=8.4Hz), 8.16(1H, s), 8.13(1H, s), 7.78-7.65(3H, m), 7.49-7.33(1H, m), 7.13-7.04(3H, m), 6.48(2H,brs), 5.71(2H, s), 4.93(1H, m), 4.36(2H, t, J=5.7Hz), 2.80(3H, m), 2.71(2H, m), 2.42(1H, m), 2.24(3H, s), 2.10(1h, m), 1.66(1H, m).
VIII-194		10.21(1H, s), 8..82(1H, d, J=1.5Hz), 8.52(1H, s), 8.22(1H, dd, J=1.8Hz, J=8.7Hz), 8.14(1H, s), 7.80(1H, s), 7.77-7.66(3H, m), 7.40-7.33(1H, m), 7.12-7.04(3H, m), 5.71(2H, s), 4.86(1H,brs), 4.28(3H, m), 3.58(1H, m), 2.95-2.78(2H, m), 2.25(3H, s), 2.11(1H, m), 1.47(1H, m).
VIII-195		10.17(1H, s), 8.78(1H, d, J=1.8Hz), 8.52(1H, s), 8.19(1H, dd, J=1.8Hz, J=10.5Hz), 8.13(1H, s), 7.80(1H, s), 7.77-7.33(1H, m), 7.12-7.03(3H, m), 5.71(2H, s), 439(2H, t, J=5.7Hz), 3.58(4H, t, J=4.8Hz), 2.71(2H, t, J=6.0Hz), , 2.50(2H, m), 2.24(3H, s).
VIII-196		10.19(1H, s), 8.78(1H, d, J=1.5Hz), 8.19(1H, dd, J=1.8Hz, J=10.5Hz), 8.16(1H, s), 8.13(1H, d, J=1.5Hz), 7.80(1H, s), 7.80-7.66(4H, m), 7.40-7.33(1H, m), 7.13-7.06(3H, m), 5.71(2H, s), 4.41(2H, t, J=5.2Hz), 3.16(2H, m), 3.10(2H, s), 2.80(1H, t, J=5.7Hz), 2.67(3H, s), 2.25(3H, s).

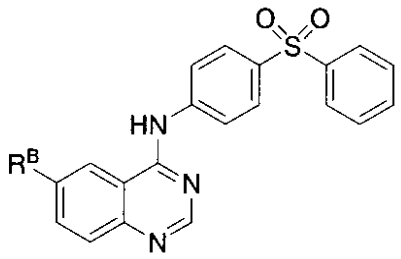
【０１２４】

【表４２】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-197		10.21(1H, s), 8.79(1H, d, J=1.8Hz), 8.53(1H, s), 8.21(1H, dd, J=1.8Hz, J=8.7Hz), 8.17(1H, s), 8.13(1H, d, J=1.5Hz), 7.79(1H, d, J=13.2Hz), 7.76(1H, d, J=13.2Hz), 7.67(1H, dd, J=1.8Hz, J=9.0Hz), 7.41-7.34(1H, m), 7.16-7.04(3H, m), 5.72(2H, s), 4.20-4.09(2H, m), 3.79(1H, dd, J=2.7Hz, J=10.8Hz), 3.68-3.64(1H, m), 3.30-3.19(1H, m), 3.13-3.10(1H, m), 2.78-2.74(3H, m), 2.26(3H, s).
VIII-198		10.20(1H, brs), 8.79(1H, s), 8.53(1H, s), 8.22-8.13(3H, m), 7.81-7.66(3H, m), 7.41-7.33(1H, m) 7.13-7.04(3H, m), 5.72(2H, s), 4.13(2H, d, J=5.2Hz), 3.00-2.51(6H, m), 2.39-2.26(4H, m)
VIII-199		(二塩酸塩) 12.69(1Hbrs), 9.44(1H, s), 8.69(1H, s), 8.47(1H, d, J=8.1Hz), 8.23(1H, d, J=2.1Hz), 7.38(1H, s), 7.19-7.01(1H, m), 5.74(2H, s), 4.64(5H, m), 4.01(1H, m), 3.39-3.21(4H, m), 2.59(3H, s).
VIII-200		10.19(1H, s), 8.81(1H, s), 8.53(1H, s), 8.21-8.14(3H, m), 7.82(7.82-7.65(3H, m), 7.41(1H, m), 7.15-7.04(13H, m), 5.71(2H, s), 4.68(1H, brs), 4.51(2H, s), 4.27(2H, m), 4.18(1H, m), 3.42(2H, m), 3.45(3H, s), 2.87(1H, m), 2.69(1H, m), 2.04(1H, m), 1.41(1H, m).

【０１２５】

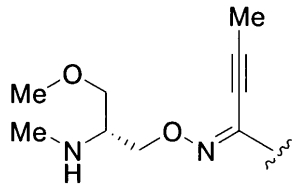
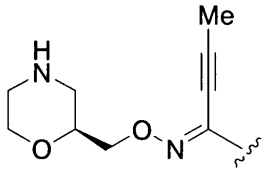
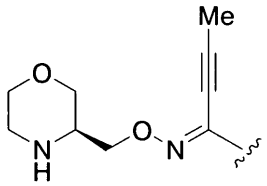
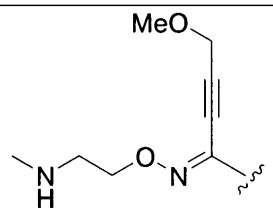
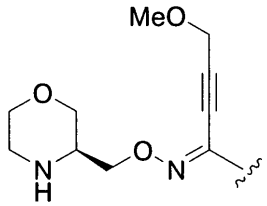
【化８４】



(VIII)

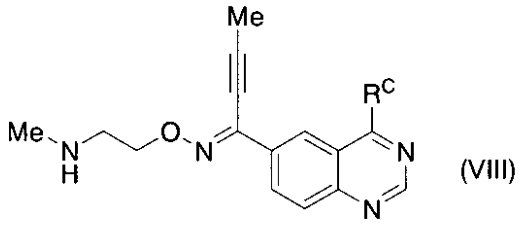
【０１２６】

【表４３】

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-205		10.43-10.40(1H, m), 8.79(1H, s), 8.70(1H, s), 8.25(1H, d, J=8.4Hz), 8.11(2H, bs), 7.98-7.96(4H, m), 7.85 (1H, d, J=7.2Hz), 7.69-7.62(3H, m), 4.24-4.20(2H, m), 3.28(3H, s), 2.94(1H, t, J=6.4Hz), 2.38(3H, s), 2.25 (3H, s).
VIII-206		10.44(1H, bs), 8.78(1H, d, J=1.5Hz), 8.67(1H, bs), 8.24(1H, d, J=9.0Hz), 8.16-8.05(2H, m), 7.99-7.94(4H, m), 7.84(1H, d, J=8.7Hz), 7.71-7.60(3H, m), 4.24(1H, dd, J=6.3Hz, J=11.7Hz), 4.16(1H, dd, J=4.8Hz, J=11.7Hz), 3.75-3.71(2H, m), 3.51-3.37(1H, m), 2.84(1H, dd, J=2.4Hz, J=12.3Hz), 2.73-2.58(2H, m), 2.50-2.42(1H, m), 2.25(3H, s).
VIII-207		10.45(1H, bs), 8.78(1H, d, J=1.5Hz), 8.67(1H, bs), 8.24(1H, dd, J=1.5Hz, J=8.7Hz), 8.12-8.09(2H, m), 7.99-7.95(4H, m), 7.85(1H, d, J=8.7Hz), 7.71-7.61(3H, m), 4.18(1H, dd, J=6.0Hz, J=11.1Hz), 4.12(1H, dd, J=6.3Hz, J=11.1Hz), 3.78(1H, dd, J=2.7Hz, J=10.5Hz), 3.65(1H, dt, J=11.1Hz, J=2.7Hz), 3.11-3.07(1H, m), 2.81-2.69(3H, m), 2.25(3H, s).
VIII-208		10.42(1H, s), 8.84(1H, s), 8.69(1H, s), 8.25(1H, d, J=8.8Hz), 8.13(1H, d, J=8.4Hz), 8.00-7.97(3H, m), 7.87(1H, d, J=8.8Hz), 7.97-7.62(5H, m), 4.51(2H, s), 4.42(2H, t., J=5.2Hz), 3.37(3H, s), 2.97(2H, t, J=4.8Hz), 2.41(3H, s).
VIII-209		10.45(1H, bs), 8.80(1H, bs), 8.68(1H, bs), 8.23(1H, d, J=7.5Hz), 8.14-8.06(2H, m), 7.99-7.95(4H, m), 7.87(1H, d, J=9.0Hz), 7.69-7.60(3H, m), 4.52(2H, s), 4.23(1H, dd, J=6.3Hz, J=10.8Hz), 4.17(1H, dd, J=6.3Hz, J=10.8Hz), 3.80(1H, dd, J=2.7Hz, J=11.1Hz), 3.67-3.64(1H, m), 3.40(3H, s), 3.12-3.07(1H, m).

【０１２７】

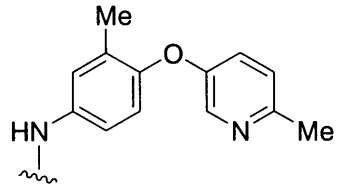
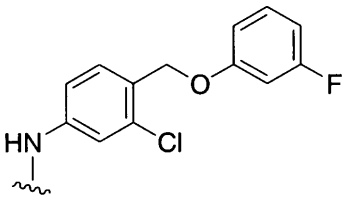
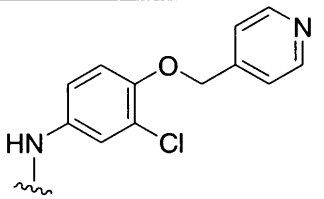
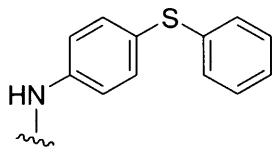
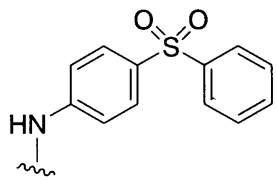
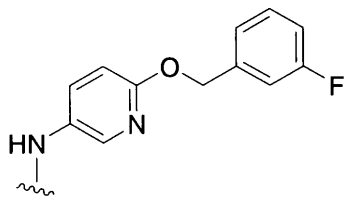
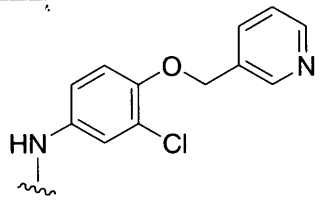
【化８５】



(VIII)

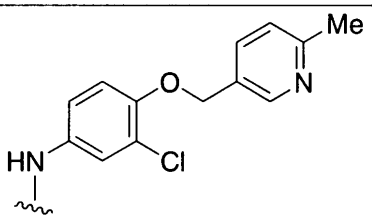
【０１２８】

【表４４】

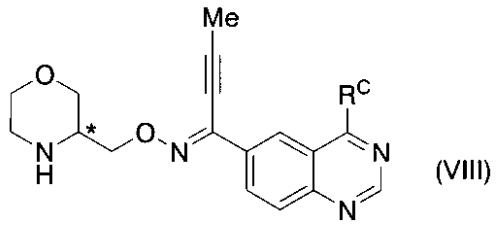
化合物 No.	R^C	^{1}H-NMR(d_6-DMSO)
VIII-210		10.13(1H, s), 8.82(1H, s), 8.60(1H, s), 8.26(1H, d, J=9.2Hz), 8.18(1H, s), 7.82(1H, d, J=8.8Hz), 7.74(1H, s), 7.64(1H, d, J=9.2Hz), 7.27-7.22(2H, m), 6.99(1H, d, J=8.4Hz), 4.50(2H, t, J=5.2Hz), 2.64(3H, s), 2.50(2H, bs), 2.45(3H, s), 2.28(3H, s), 2.23(3H, s).
VIII-211		10.26(1H, brs), 8.80(1H, s), 8.66(1H, s), 8.26-8.23(1H, m), 8.14(1H, s), 7.88-7.79(2H, m), 7.62(1H, d, J=8.4), 7.34(1H, dd, J=8.4, 15.2), 6.95-6.88(2H, m), 6.82-6.78(1H, m), 5.16(2H, s), 4.35(2H, t, J=6.0Hz), 2.92(2H, t, J=6.0Hz), 2.38(3H, s), 2.26(3H, s), 2.26(3H, s).
VIII-212		10.0(1H, brs), 8.74(1H, s), 8.62-8.58(3H, m), 8.21(1H, d, J=8.8), 7.97(1H, s), 7.80(1H, d, J=8.8), 7.69-7.67(1H, m), 7.48-7.47(2H, m), 7.25(1H, d, J=9.2), 5.32(2H, s), 4.34-4.31(2H, s), 2.89-2.86(2H, m), 2.36(3H, s), 2.25(3H, s).
VIII-213		10.43(1H, s), 9.23(1H, s), 9.21(1H, s), 8.64(1H, s), 8.26(1H, d, J=6.6Hz), 7.93(2H, d, J=3.9Hz), 7.84(1H, d, J=6.9Hz), 7.45(2H, d, J=5.7Hz), 7.35(1H, d, J=5.4Hz), 7.27(2H, t, J=5.7Hz), 4.56(2H, d, J=3.9Hz), 2.64(3H, s), 2.28(3H, s), 1.99(3H, s).
VIII-214		8.85(1H, s), 8.80(1H, s), 8.26(1H, d, J=6.6Hz), 8.12(1H, d, J=6.3Hz), 7.99-7.96(4H, m), 7.85(1H, d, J=6.6Hz), 7.71-7.62(3H, m), 4.33(2H, t, J=4.2Hz), 2.86(2H, t, J=4.5Hz), 2.35(3H, s), 2.25(3H, s).
VIII-215		10.15(1H, s), 8.77(1H, s), 8.55(1H, s), 8.47(1H, s), 8.24(1H, d, J=9.2Hz), 8.07(1H, d, J=9.2Hz), 7.81(1H, d, J=9.2Hz), 7.47-7.39(1H, m), 7.32-7.28(2H, m), 7.16(1H, t, J=7.6Hz), 7.00(1H, d, J=8.8Hz), 5.41(1H, s), 4.41(2H, t, J=5.6Hz), 3.10(2H, t, J=5.2Hz), 2.49(3H, s), 2.26(3H, s).
VIII-216		10.3(1H, s), 8.84(1H, s), 8.72(1H, s), 8.42-8.65(2H, m), 8.26(1H, d, J=7.6Hz), 7.98(1H, s), 7.91(1H, brs), 7.81(1H, brs), 7.71(1H, brs), 7.47(1H, brs), 7.34(1H, d, J=8.0Hz), 5.30(2H, s), 4.53(2H, brs), 3.38(2H, brs), 2.68(3H, s), 2.26(3H, s).

【０１２９】

【表４５】

化合物No.	R^C	^{1}H-NMR(d_6-DMSO)
VIII-217		10.1(1H, s), 8.76(1H, s), 8.59(1H, s), 8.57(1H, s), 8.24(1H, d, J=10Hz), 7.94(1H, bs), 7.67-7.73(3H, m), 7.29-7.35(2H, m), 5.24(2H, s), 4.40(2H, t, J=5.6Hz), 3.06(2H, t, J=5.2Hz), 2.49(3H, s), 2.48(3H, s), 2.26(3H, s)

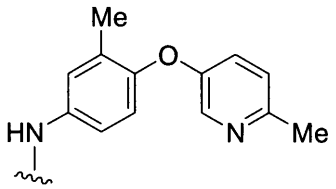
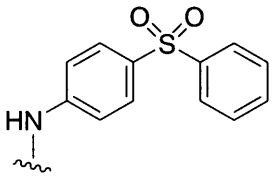
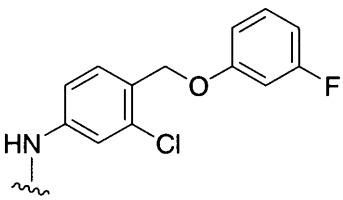
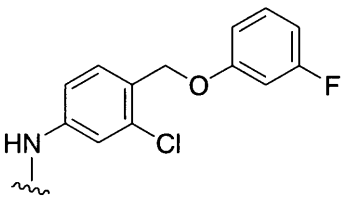
【０１３０】
【化８６】



(VIII)

（式中、＊を付した原子は不斉炭素原子。）
【０１３１】

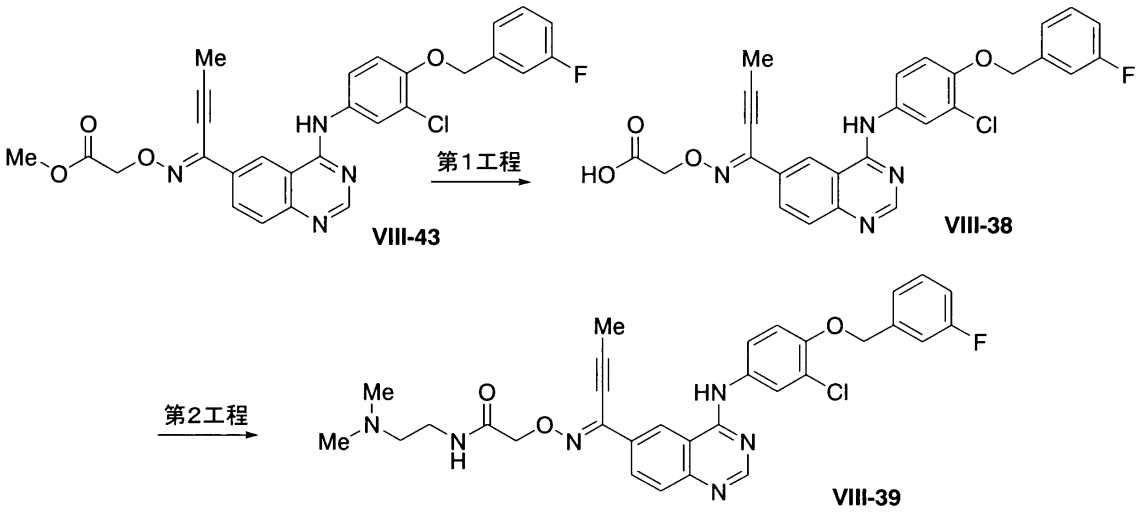
【表４６】

化合物 No.	*	R^C	^{1}H-NMR(d_6-DMSO)
VIII-218	S		(三塩酸塩) 12.18(1H, bs), 9.78(1H, m), 9.61(1H, m), 9.36(1H, s), 8.94(1H, s), 8.48(1H, dd, J=1.8Hz, J=9.0Hz), 8.41(1H, d, J=3Hz), 8.03(1H, d, J=9Hz), 7.76-7.73(2H, m), 7.64-7.60(2H, m), 7.13(1H, d, J=8.7Hz), 4.51-4.49(2H, m), 2.60(3H, s), 2.29(3H, s), 2.27(3H, s).
VIII-219	R		10.46(1H, bs), 8.78(1H, d, J=1.5Hz), 8.67(1H, s), 8.24(1H, dd, J=1.5Hz, J=8.7Hz), 8.12-8.09(2H, m), 7.99-7.95(4H, m), 7.85(1H, d, J=8.7Hz), 7.71-7.60(3H, m), 4.17(1H, dd, J=5.7Hz, J=11.1Hz), 4.12(1H, dd, J=6.3Hz, J=11.1Hz), 3.78(1H, dd, J=2.7Hz, J=10.5Hz), 3.65(1H, dt, J=10.8Hz, J=2.7Hz), 3.26-3.18(1H, m), 3.13-3.05(1H, m), 2.82-2.70(2H, m), 2.25(3H, s).
VIII-220	S		10.26(1H, bs), 8.79(1H, s), 8.67(1H, s), 8.23(1H, d, J=8.8Hz), 8.14(1H, s), 7.84(1H, d, J=8.8Hz), 7.62(1H, d, J=8.8Hz), 7.35(1H, dd, J=8.0, J=15.6), 6.96-6.86(2H, m), 6.82-6.78(1H, m), 5.16(2H, s), 4.20-4.11(2H, m), 3.79(1H, d, J=10.8Hz), 3.66(1H, d, J=11.2Hz), 3.22(2H, t, d=10.4), 3.10-3.02(1H, m), 2.81-2.68(2H, m), 2.26(3H, s).
VIII-221	R		10.26(1H, bs), 8.79(1H, s), 8.67(1H, s), 8.23(1H, d, J=9.6Hz), 8.14(1H, s), 7.85-7.83(1H, m), 7.62(1H, d, J=8.8Hz), 7.35(1H, dd, J=8.0, J=15.6), 6.95-6.88(2H, m), 6.82-6.78(1H, m), 5.16(2H, s), 4.20-4.11(2H, m), 3.79(1H, d, J=10.8Hz), 3.66(1H, d, J=11.2Hz), 3.22(2H, t, d=10.4), 3.10-3.02(1H, m), 2.81-2.68(2H, m), 2.26(3H, s)

【０１３２】

実施例１１

【化８７】



（第１工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(カルボキシメトキシイミノ)-2-ブチン-1-イル)キナゾリン (VIII-38)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(メトキシカルボニルメトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-43, 1.2g)をテトラヒドロフラン12mlとメタノール12mlの混合液に溶解させ、1.5mlの2mol/L水酸化ナトリウム水溶液を加えて室温で1.5時間攪拌した。反応液を酢酸エチル20mlで希釈後、2mol/L塩酸を1.6ml加え、水を加えると目的物が析出した。析出物をろ取後、水、酢酸エチルで洗浄し乾燥することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(カルボキシメトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-38, 0.9g)を黄色固体として得た。

^{1}H NMR(d_6-DMSO, δ): 10.18(1H, brs), 8.77(1H, s), 8.60(1H, s), 8.19(1H, dd, J=2.0, 11.6Hz), 7.95(1H, d, J=3.2Hz), 7.80(1H, d, J=11.6Hz), 7.67(1H, dd, J=3.2, 11.6Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m),7.22-7.15(1H, m), 5.27(2H, s), 4.83(2H, s), 2.27(3H, s).

【０１３３】

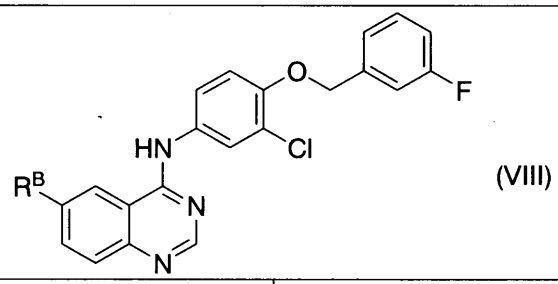
（第２工程）　4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-((2-ジメチルアミノエチルカルバモイル)メトキシイミノ)-2-ブチン-1-イル)キナゾリン (VIII-39)の合成

4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(カルボキシメトキシイミノ)-2-ブチン-1-イル)キナゾリン(VIII-38, 70mg)、1-ヒドロキシベンゾトリアゾール24mg、1-エチル3-(3-ジメチルアミノプロピル)カルボジイミド塩酸塩27mgをN,N-ジメチルホルムアミド1.4mlに溶かし、室温で5分攪拌後、N,N-ジメチルエチレンジアミン22μlを加え室温で2時間攪拌した。反応終了後に酢酸エチルで希釈し、水と飽和炭酸水素ナトリウム水溶液を加えて、分液操作を行った。有機層を水洗後、硫酸ナトリウム上で乾燥し、ろ液を濃縮した。濃縮残渣に酢酸エチルを加えて固体化させ、固体をろ取、乾燥することにより4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-((2-ジメチルアミノエチルカルバモイル)メトキシイミノ)-2-ブチン- 1-イル)キナゾリン(VIII-39, 30mg)を無色結晶として得た。

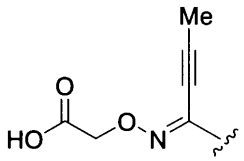
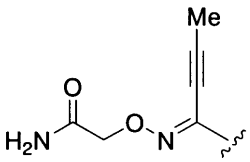
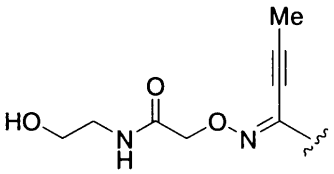
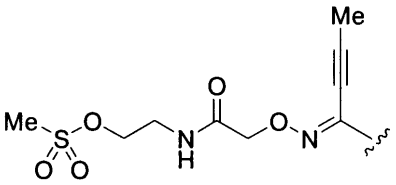
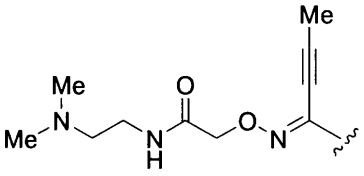
^{1}H NMR(d_6-DMSO, δ): 10.12(1H, s), 8.77(1H, s), 8.59(1H, s), 8.19(1H, dd, J=2.0, 12.0Hz), 8.08(1H, brs), 7.95(1H, d, J=3.2Hz), 7.80(1H, d, J=11.6Hz), 7.70-7.62(2H, m),7.51-7.44(1H, m), 7.34-7.26(3H, m), 7.21-7.15(1H, s), 5.27(2H, s), 4.69(2H, s), 3.22(2H, dd, J=8.4, 16.0Hz) 2.31(1H, t, J=8.4Hz), 2.28(3H, s), 2.11(6H, s).

実施例１１と同様の方法で下記の化合物を合成した。

【表４７】



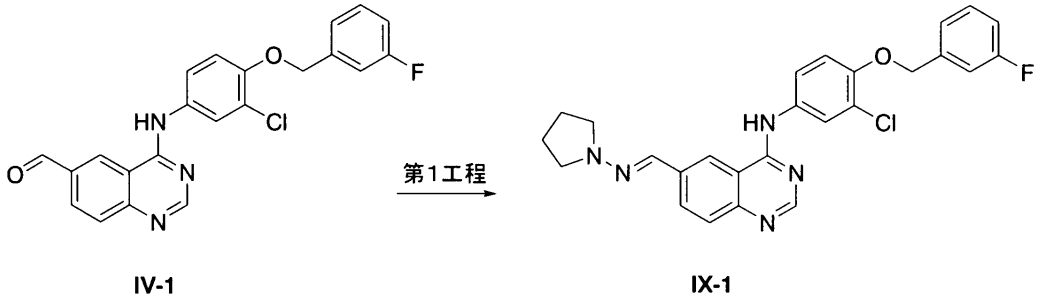
(VIII)

化合物 No.	R^B	^{1}H-NMR(d_6-DMSO)
VIII-222		10.18(1H, brs), 8.77(1H, s), 8.60(1H, s), 8.19(1H, dd, J=2.0, 11.6Hz), 7.95(1H, d, J=3.2Hz), 7.80(1H, d, J=11.6Hz), 7.67(1H, dd, J=3.2, 11.6Hz), 7.51-7.44(1H, m), 7.35-7.26(3H, m),7.22-7.15(1H, m), 5.27(2H, s), 4.83(2H, s), 2.27(3H, s).
VIII-223		10.12(1H, bs), 8.76(1H, d, J=1.5Hz), 8.59(1H, s), 8.20(1H, dd, J=1.8Hz, J=8.7Hz), 7.96(1H, d, J=2.4Hz), 7.81(1H, d, J=8.7Hz), 7.68(1H, dd, J=2.7Hz, J=9.0Hz), 7.52-7.44(1H, m), 7.35-7.16(6H, m), 5.27(2H, s), 4.65(2H, s), 2.28(3H, s).
VIII-224		10.10(1H, s), 8.59(1H, s), 8.19(1H, dd, J=2.4, 11.6Hz), 7.95(1H, d, J=3.2Hz), 7.80(1H, d, J=11.6), 7.76-7.73(1H, m), 7.68(1H, dd, J=3.6, 12Hz), 7.48-7.44(1H, m),7.35-7.26(3H, m), 7.21-7.15(1H, m), 5.27(2H, s), 4.73(1H, t, J=7.2Hz), 4.70(2H, s), 3.44(2H, dd, J=8.0, 15.6Hz), 3.21(2H, dd, J=8.0, 15.6Hz), 2.28(3H, s)
VIII-225		10.10(1H, s), 8.76(1H, s), 8.59(1H, s), 8.19(1H, d, J=12.0Hz), 8.08(1H, brs), 7.95(1H, s), 7.80(1H, d, J=11.6Hz), 7.69-7.66(1H, m),7.51-7.44(1H, m), 7.34-7.26(3H, m), 7.21-7.16(1H, s), 5.27(2H, s), 4.71(2H, s), 3.60-3.53(1H, m), 2.99(3H, s), 2.28(3H, s).
VIII-226		10.12(1H, s), 8.77(1H, s), 8.59(1H, s), 8.19(1H, dd, J=2.0, 12.0Hz), 8.08(1H, brs), 7.95(1H, d, J=3.2Hz), 7.80(1H, d, J=11.6Hz), 7.70-7.62(2H, m),7.51-7.44(1H, m), 7.34-7.26(3H, m), 7.21-7.15(1H, s), 5.27(2H, s), 4.69(2H, s), 3.22(2H, dd, J=8.4, 16.0Hz) 2.31(1H, t, J=8.4Hz), 2.28(3H, s), 2.11(6H, s).

【０１３４】

実施例１２

【化８８】



IV-1 IX-1

(第1工程) 4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(ピロリジン-1-イルイミノメチル)キナゾリン(IX-1)の合成

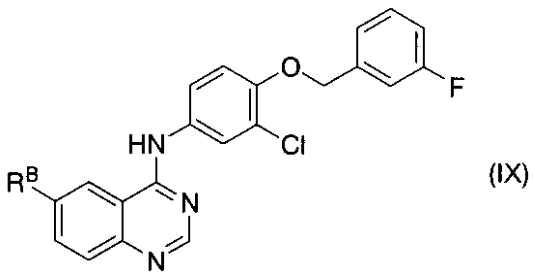
4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-ホルミルキナゾリン(IV-1) 40mgと1-アミノ-ピロリジン塩酸塩 13mgをテトラヒドロフラン1mL、水0.1mLの混液に溶かし、室温で終夜反応した。反応後、飽和炭酸水素ナトリウム水溶液を加え酢酸エチルで抽出した。有機層をプレセップ（登録商標）を通して脱水し、ろ液を濃縮した。濃縮残渣を、アミノカラムを用いたクロマトグラフィー(ヘキサン：酢酸エチル=２：１→１：１で溶出)により精製し、4-(3-クロロ-4-(3-フルオロベンジルオキシ)フェニルアミノ)-6-(ピロリジン-1-イルイミノ) メチルキナゾリン(IX-1)38mgを黄色固体として得た。

^{1}H NMR(d_6-DMSO, d): 9.76(1H, s), 8.52(1H, s), 8.40(1H, brs), 8.08(1H, d, J=6.6Hz), 8.06(1H, d, J=1.8Hz), 7.76(1H, dd, J=6.6Hz, J=1.8Hz), 7.69(1H, dd, J=6.6Hz), 7.50-7.45(1H, m), 7.35-7.26(3H, m), 7.19(1H, t, J=6.6Hz), 5.26(2H, s), 3.39(4H, br), 1.94(4H, br)

【０１３５】

上記実施例１２と同様の方法で下記の化合物を合成した。

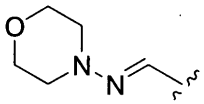
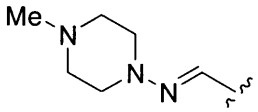
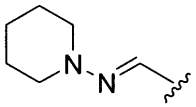
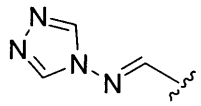
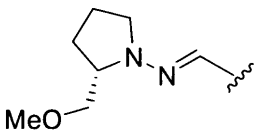
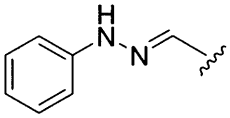
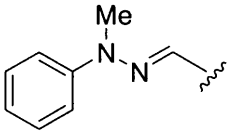
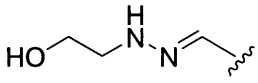
【化８９】



(IX)

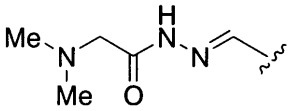
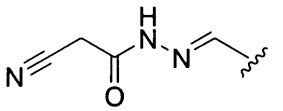
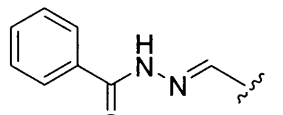
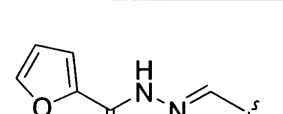
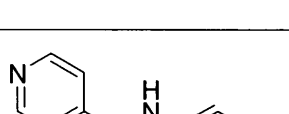
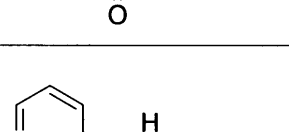
【０１３６】

【表４８】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
IX-2		9.86(1H, s), 8.56(1H, s), 8.55(1H, brs), 8.14(1H, d, J=6.6Hz), 8.05(1H, d, J=1.8Hz), 7.78-7.74(3H, m), 7.50-7.45(1H, m), 7.35-7.26(3H, m), 7.19(1H, t, J=6.3Hz), 5.26(2H, s), 3.18(4H, t-like, J=3.6Hz), 3.20(4H, t-like, J=3.6Hz)
IX-3		9.83(1H, s), 8.56(1H, s), 8.52(1H, brs), 8.13(1H, d, J=6.6Hz), 8.05(1H, brs), 7.77-7.73(3H, m), 7.50-7.45(1H, m), 7.35-7.26(3H, m), 7.19(1H, t, J=6.3Hz), 5.26(2H, s), 3.21(4H, brs), 2.53(4H, brs), 2.25(3H, s)
IX-4		9.83(1H, s), 8.54(1H, s), 8.50(1H, brs), 8.13(1H, d, J=8.7Hz), 8.04(1H, d, J=2.7Hz), 7.76-7.70(3H, m), 7.52-7.43(1H, m), 7.36-7.25(3H, m), 7.22-7.15(1H, m), 5.26(2H, s), 3.25-3.17(4H, m), 1.76-1.65(4H, m), 1.58-1.49(2H, m)
IX-5		9.19(3H, brs), 9.16(1H, s), 8.95(1H, brs), 8.52(1H, brs), 8.20(1H, d, J=8.4Hz), 7.95(1H, s), 7.79(1H, d, J=6.9Hz), 7.66-7.60(1H, m), 7.52-7.43(1H, m), 7.36-7.14(4H, m), 5.23(2H, s)
IX-6		9.73(1H, s), 8.52(1H, s), 8.38(1H, brs), 8.13(1H, d, J=6.6Hz), 8.05(1H, d, J=1.8Hz), 7.75(1H, dd, J=6.9Hz, J=1.8Hz), 7.70(1H, dd, J=6.6Hz, J=1.8Hz), 7.50-7.45(1H, m), 7.33-7.26(3H, m), 7.18(1H, t, J=6.6Hz), 5.26(2H, s), 3.72(1H, brs), 3.64(1H, dd, J=6.9Hz, J=2.7Hz), 3.46(2H, dd, J=7.2Hz, J=5.1Hz), 3.13(1H, br), 1.99(3H, br,), 1.80(1H, br)
IX-7		10.59(1H, s), 9.84(1H, s), 8.56(1H, s), 8.53(1H, brs), 8.29(1H, d, J=6.9Hz), 8.03(2H, brs), 7.78-7.73(2H, m), 7.51-7.45(1H, m), 7.35-7.16(8H, m), 6.79(1H, t, J=5.4Hz), 5.27(2H, s)
IX-8		9.86(1H, s), 8.61(1H, s), 8.57(1H, brs), 8.32(1H, d, J=7.2Hz), 8.05(2H, J=2.1Hz), 7.80-7.73(3H, m), 7.52-7.45(3H, m), 7.37-7.28(5H, m), 7.19(1H, t, J=6.3Hz), 6.94(1H, t, J=5.4Hz), 5.27(2H, s), 3.51(3H, s)
IX-9		9.77(1H, s), 8.53(1H, s), 8.39(1H, brs), 8.09(1H, d, J=6.3Hz), 8.04(1H, s), 7.75-7.69(3H, m), 7.55-7.45(2H, m), 7.34-7.26(3H, m), 7.18(1H, t, J=6.3Hz), 5.21(2H, s), 4.69(1H, t, J=3.6Hz), 3.61(2H, dd, J=8.4Hz, J=4.5Hz), 3.29(2H, m)

【０１３７】

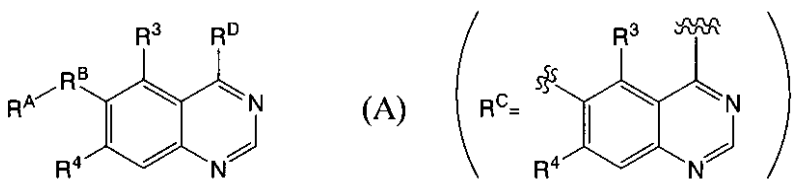
【表４９】

化合物No.	R^B	^{1}H-NMR(d_6-DMSO)
IX-10		(E/Z mixture) 11.51(1H, s, minor), 11.45(1H, s, major), 10.00(1H, s, major), 9.89(1H, s, minor), 8.65(1H, brs, minor), 8.60(1H, brs), 8.53(1H, brs, major), 8.26(1H, d, J=6.6Hz, minor), 8.22(1H, d, J=6.6Hz, major), 8.04(1H, brs, minor), 8.00(1H, d, J=1.8Hz, major), 7.80(1H, d, J=6.6Hz), 7.73(1H, d, J=6.6Hz), 7.51-7.45(1H, m), 7.35-7.27(3H, m), 7.19(1H, t, J=6.6Hz), 5.27(2H, s), 3.58(2H, s, minor), 3.08(2H, s, major), 2.34(3H, s, minor), 2.28(3H, s, major)
IX-11		12.04(1H, s), 9.88(1H, s), 8.64(1H, brs), 8.61(1H, s), 8.31(1H, d, J=6.3Hz), 8.17(1H, s), 8.01(1H, d, J=2.1Hz), 7.80(1H, d, J=6.6Hz), 7.72(1H, d, J=6.6Hz), 7.50-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=5.4Hz), 5.27(2H, s), 4.31(2H, s)
IX-12		12.02(1H, s), 10.00(1H, s), 8.70(1H, brs), 8.65(1H, brs), 8.61(1H, s), 8.31(1H, d, J=6.0Hz), 8.02(1H, d, J=1.8Hz), 7.96-7.94(2H, m), 7.84(1H, d, J=6.0Hz), 7.72(1H, d, J=13.8Hz), 7.65-7.55(3H, m), 7.51-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.3Hz), 5.27(2H, s)
IX-13		12.04(1H, s), 10.01(1H, s), 8.68(1H, brs), 8.65(1H, brs), 8.61(1H, s), 8.28(1H, d, J=6.9Hz), 8.02(1H, d, J=1.8Hz), 7.99(1H, s), 7.83(1H, d, J=6.6Hz), 7.74(1H, dd, J=6.6Hz, J=1.8Hz), 7.51-7.45(1H, m), 7.35-7.28(4H, m), 7.19(1H, t, J=6.3Hz), 6.74(1H, brs), 5.27(2H, s)
IX-14		12.22(1H, s), 10.02(1H, s), 8.82(2H, m), 8.73(1H, brs), 8.65(1H, s), 8.62(1H, s), 8.31(1H, d, J=7.2Hz), 8.01(1H, d, J=1.8Hz), 7.86-7.84(2H, m), 7.73-7.72(2H, m), 7.51-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.9Hz), 5.27(2H, s)
IX-15		12.18(1H, s), 10.01(1H, s), 9.11(1H, s), 8.80(1H, d, J=3.3Hz), 8.72(1H, brs), 8.64-8.62(2H, m), 8.32-8.28(2H, m), 8.02(1H, d, J=1.8Hz), 7.85(1H, d, J=6.3Hz), 7.73(1H, dd, J=6.6Hz, J=1.8Hz), 7.62-7.59(1H, m), 7.51-7.45(1H, m), 7.35-7.28(3H, m), 7.19(1H, t, J=6.9Hz), 5.27(2H, s)

【０１３８】

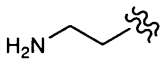
上記実施例と同様の方法によって以下に示す化合物を合成することができる。すなわち、以下の一般式（Ａ）：

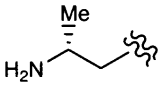
【化９０】

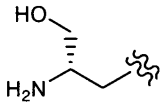


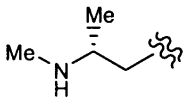
で表される化合物において、R^Aが以下のａ１～ａ９０：

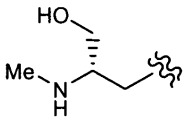
【化９１】

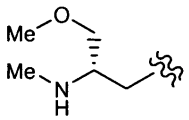
a1 

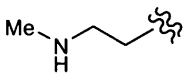
a2 

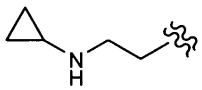
a3 

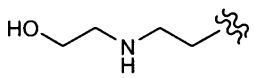
a4 

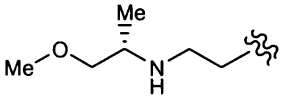
a5 

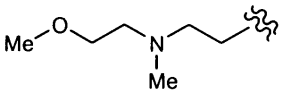
a6 

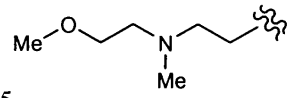
a7 

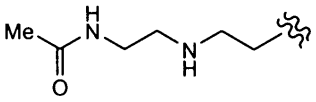
a8 

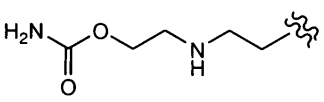
a9 

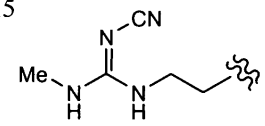
a10 

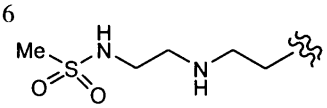
a11 

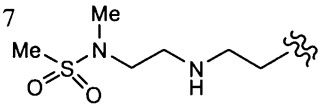
a12 

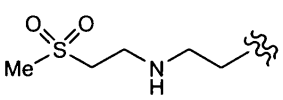
a13 

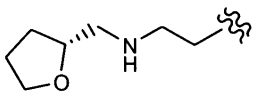
a14 

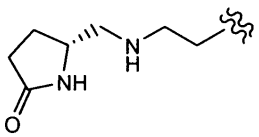
a15 

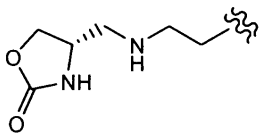
a16 

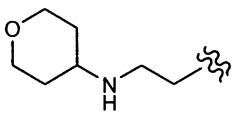
a17 

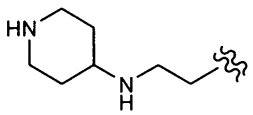
a18 

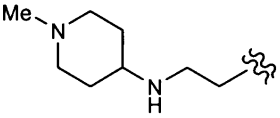
a19 

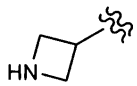
a20 

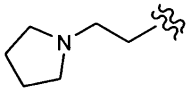
a21 

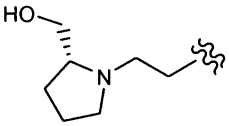
a22 

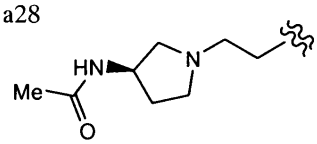
a23 

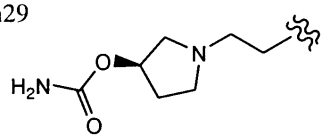
a24 

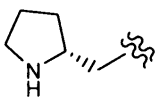
a25 

a26 

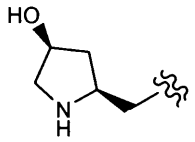
a27 

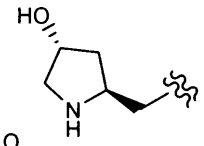
a28 

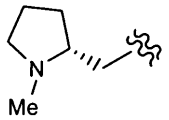
a29 

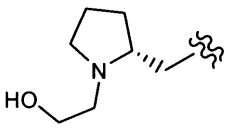
a30 

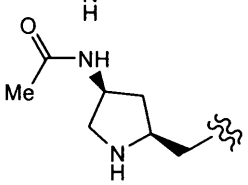
【化９２】

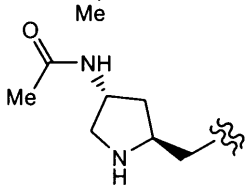
a31 

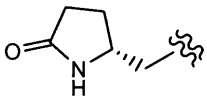
a32 

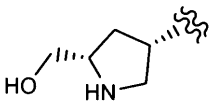
a33 

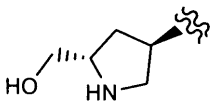
a34 

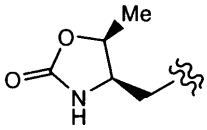
a35 

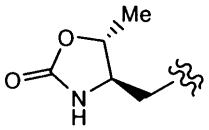
a36 

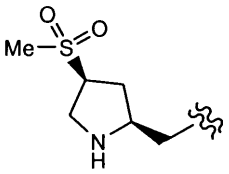
a37 

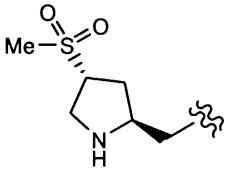
a38 

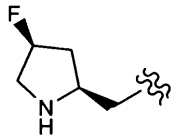
a39 

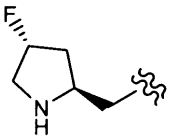
a40 

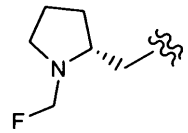
a41 

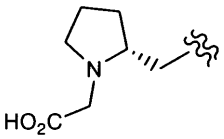
a42 

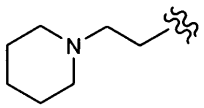
a43 

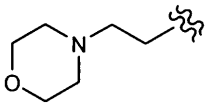
a44 

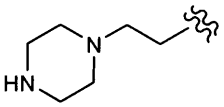
a45 

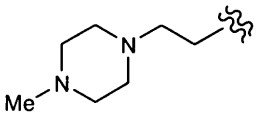
a46 

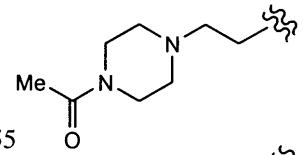
a47 

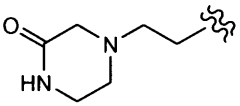
a48 

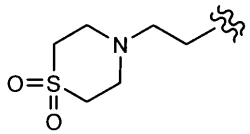
a49 

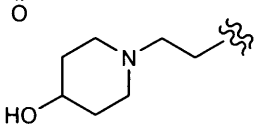
a50 

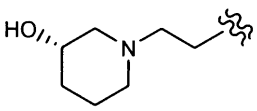
a51 

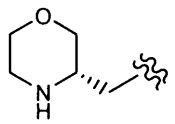
a52 

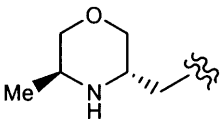
a53 

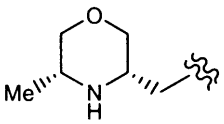
a54 

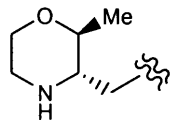
a55 

a56 

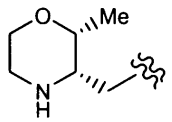
a57 

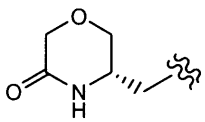
a58 

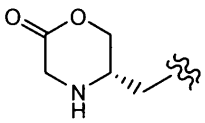
a59 

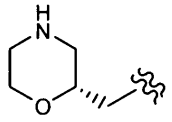
a60 

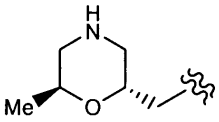
【化９３】

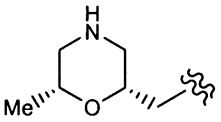
a61 

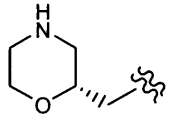
a62 

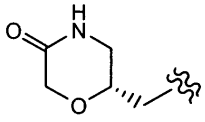
a63 

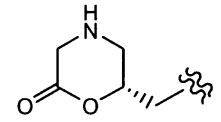
a64 

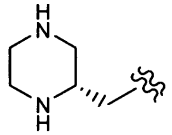
a65 

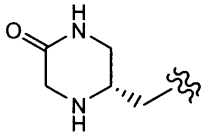
a66 

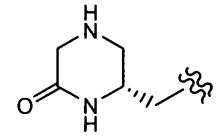
a67 

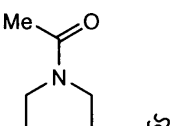
a68 

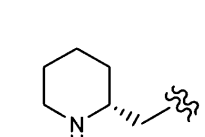
a69 

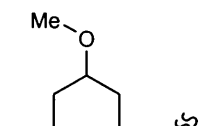
a70 

a71 

a72 

a73 

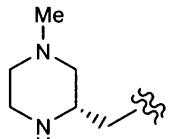
a74 

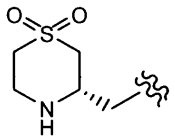
a75 

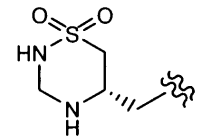
a76

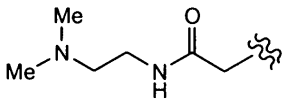
a77

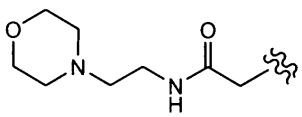
a78

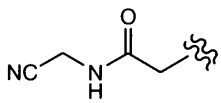
a79 

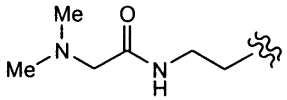
a80 

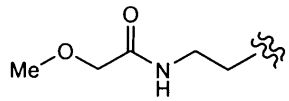
a81 

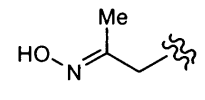
a82 

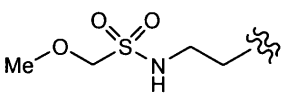
a83 

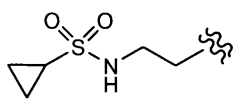
a84 

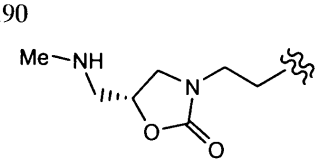
a85 

a86 

a87 

a88 

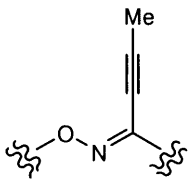
a89 

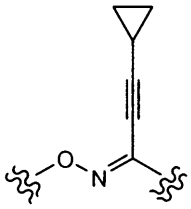
a90 

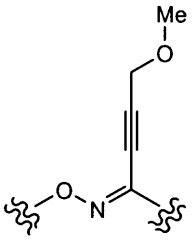
（式中、Ｍｅはメチル）から選択される基、

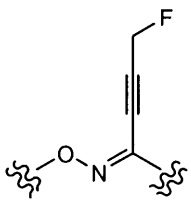
R^Bが以下のｂ１～ｂ６：

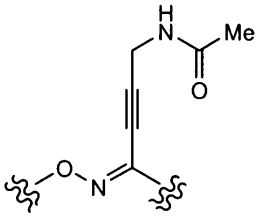
【化９４】

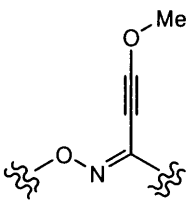
b1 

b2 

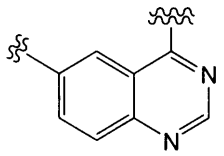
b3 

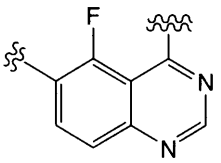
b4 

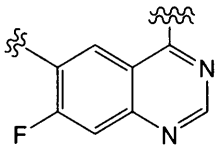
b5 

b6 

（式中、Ｍｅはメチル）から選択される基、
Ｒ[C]が以下のｃ１～ｃ３：
【化９５】

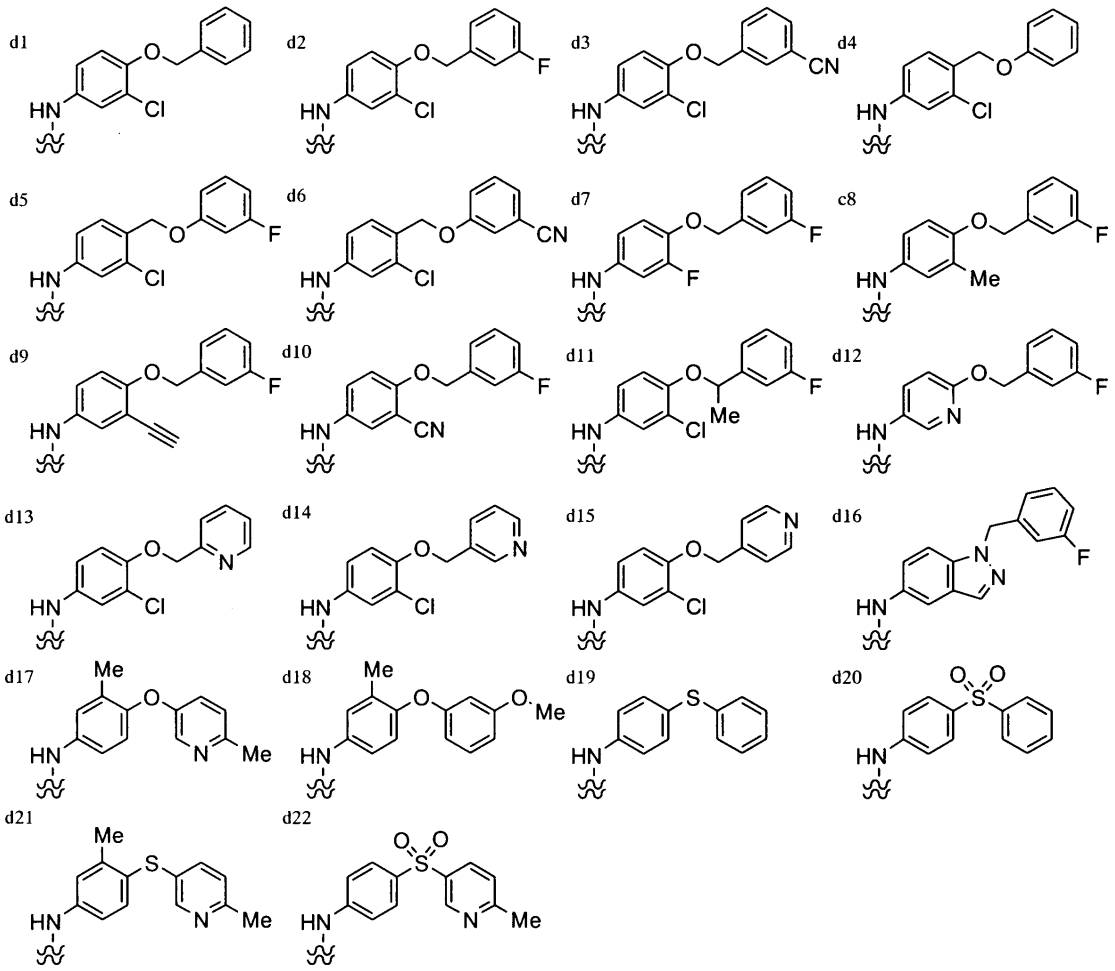
c1 

c2 

c3 

から選択される基、
Ｒ[D]が以下のｄ１～ｄ２２：

【化９６】



（式中、Ｍｅはメチル）
から選択される基の組み合わせで表される、以下の化合物を合成することができる。

【０１３９】

(a1, b1, c1, d1), (a1, b1, c1, d2), (a1, b1, c1, d3), (a1, b1, c1, d4), (a1, b1, c1, d5), (a1, b1, c1, d6), (a1, b1, c1, d7), (a1, b1, c1, d8), (a1, b1, c1, d9), (a1, b1, c1, d10), (a1, b1, c1, d11), (a1, b1, c1, d12), (a1, b1, c1, d13), (a1, b1, c1, d14), (a1, b1, c1, d15), (a1, b1, c1, d16), (a1, b1, c1, d17), (a1, b1, c1, d18), (a1, b1, c1, d19), (a1, b1, c1, d20), (a1, b1, c1, d 21), (a1, b1, c1, d22), (a1, b1, c2, d1), (a1, b1, c2, d2), (a1, b1, c2, d3), (a1, b1, c2, d4), (a1, b1, c2, d5), (a1, b1, c2, d6), (a1, b1, c2, d7), (a1, b1, c2, d8), (a1, b1, c2, d9), (a1, b1, c2, d10), (a1, b1, c2, d11), (a1, b1, c2, d12), (a1, b1, c2, d13), (a1, b1, c2, d14), (a1, b1, c2, d15), (a1, b1, c2, d16), (a1, b1, c2, d17), (a1, b1, c2, d18), (a1, b1, c2, d19), (a1, b1, c2, d20), (a1, b1, c2, d21), (a1, b1, c2, d22), (a1, b1, c3, d1), (a1, b1, c3, d2), (a1, b1, c3, d3), (a1, b1, c3, d4), (a1, b1 , c3, d5), (a1, b1, c3, d6), (a1, b1, c3, d7), (a1, b1, c3, d8), (a1, b1, c3, d9), (a1, b1, c3, d10), (a1, b1, c3, d11), (a1, b1, c3, d12), (a1, b1, c3, d13), (a1, b1, c3, d14), (a1, b1, c3, d15), (a1, b1, c3, d16), (a1, b1, c3, d17), (a1, b1, c3, d18), (a 1, b1, c3, d19), (a1, b1, c3, d20), (a1, b1, c3, d21), (a1, b1, c3, d22), (a1, b2, c1, d1), (a1, b2, c1, d2), (a1, b2, c1, d3), (a1, b2, c1, d4), (a1, b2, c1, d5), (a1, b2, c1, d6), (a1, b2, c1, d7), (a1, b2, c1, d8), (a1, b2, c1, d9), (a1, b2, c1, d10), (a1, b2, c1, d11), (a1, b2, c1, d12), (a1, b2, c1, d13), (a1, b2, c1, d14), (a1, b2, c1, d15), (a1, b2, c1,

d16), (a1, b2, c1, d17), (a1, b2, c1, d18), (a1, b2, c1, d19), (a1, b2, c1, d20), (a1, b2, c1, d21), (a1, b2, c1, d22), (a1, b2, c2, d1), (a1, b2, c2 , d2), (a1, b2, c2, d3), (a1, b2, c2, d4), (a1, b2, c2, d5), (a1, b2, c2, d6), (a1, b2, c2, d7), (a1, b2, c2, d8), (a1, b2, c2, d9), (a1, b2, c2, d10), (a1, b2, c2, d11), (a1, b2, c2, d12), (a1, b2, c2, d13), (a1, b2, c2, d14), (a1, b2, c2, d15), (a1, b2, c2, d16), (a1, b2, c2, d17), (a1, b2, c2, d18), (a1, b2, c2, d19), (a1, b2, c2, d20), (a1, b2, c2, d21), (a1, b2, c2, d22), (a1, b2, c3, d1), (a1, b2, c3, d2), (a1, b2, c3, d3), (a1, b2, c3, d4), (a1, b2, c3, d5), (a1, b2, c3, d6), (a1, b2, c3, d7), (a1, b 2, c3, d8), (a1, b2, c3, d9), (a1, b2, c3, d10), (a1, b2, c3, d11), (a1, b2, c3, d12), (a1, b2, c3, d13), (a1, b2, c3, d14), (a1, b2, c3, d15), (a1, b2, c3, d16), (a1, b2, c3, d17), (a1, b2, c3, d18), (a1, b2, c3, d19), (a1, b2, c3, d20), (a1, b2, c3, d21) , (a1, b2, c3, d22), (a1, b3, c1, d1), (a1, b3, c1, d2), (a1, b3, c1, d3), (a1, b3, c1, d4), (a1, b3, c1, d5), (a1, b3, c1, d6), (a1, b3, c1, d7), (a1, b3, c1, d8), (a1, b3, c1, d9), (a1, b3, c1, d10), (a1, b3, c1, d11), (a1, b3, c1, d12), (a1, b3, c1, d13), (a1, b3, c1, d14), (a1, b3, c1, d15), (a1, b3, c1, d16), (a1, b3, c1, d17), (a1, b3, c1, d18), (a1, b3, c1, d19), (a1, b3, c1, d20), (a1, b3, c1, d21), (a1, b3, c1, d22), (a1, b3, c2, d1), (a1, b3, c2, d2), (a1, b3, c2, d3), (a1, b3, c2, d4), (a1, b3, c 2, d5), (a1, b3, c2, d6), (a1, b3, c2, d7), (a1, b3, c2, d8), (a1, b3, c2, d9), (a1, b 3, c2, d10), (a1, b3, c2, d11), (a1, b3, c2, d12), (a1, b3, c2, d13), (a1, b3, c 2, d14), (a1, b3, c2, d15), (a1, b3, c2, d16), (a1, b3, c2, d17), (a1, b3, c2, d 18), (a1, b3, c2, d19), (a1, b3, c2, d20), (a1, b3, c2, d21), (a1, b3, c2, d22), (a1, b3, c3, d1), (a1, b3, c3, d2), (a1, b3, c3, d3), (a1, b3, c3, d4), (a1, b3 , c3, d5), (a1, b3, c3, d6), (a1, b3, c3, d7), (a1, b3, c3, d8), (a1, b3, c3, d9), (a1, b3, c3, d10), (a1, b3, c3, d11), (a1, b3, c3, d12), (a1, b3, c3, d13), (a1, b3, c3, d14), (a1, b3, c3, d15), (a1, b3, c3, d16), (a1, b3, c3, d17), (a1, b3, c3, d18), (a1, b3, c3, d19), (a1, b3, c3, d20), (a1, b3, c3, d21), (a1, b3, c3, d22), (a1, b4, c1, d1), (a1, b4, c1, d 2), (a1, b4, c1, d3), (a1, b4, c1, d 4), (a1, b4, c1, d5), (a1, b4, c1, d6), (a1, b4, c1, d7), (a1, b4, c1, d8), (a1, b4, c1, d9), (a1, b4, c1, d10), (a1, b4, c1, d11), (a1, b4, c1, d12), (a1, b4, c1, d13), (a1, b4, c1, d14), (a1, b4, c1, d15), (a1, b4, c1, d16), (a1, b4, c1, d17), (a1, b4, c1, d18), (a1, b4, c1, d19), (a1, b4, c1, d20), (a1, b4, c1, d21), (a1, b4, c1, d22), (a1, b4, c2, d1), (a1, b4, c2, d2), (a1, b4, c2, d3), (a1, b4, c2, d4), (a1, b4, c2, d5), (a1, b4, c2, d6), (a1, b4, c2, d7), (a1, b4, c2, d8), (a1, b4, c2, d9), (a1, b4, c2, d10), (a1, b4, c2, d11), (a1, b4, c2, d12), (a1, b4, c2, d13), (a1, b4, c2, d14), (a1, b4, c2, d15), (a1, b4, c2, d16), (a1, b4, c2, d17), (a1, b4, c2, d18), (a1, b4, c2, d19), (a1, b4, c2, d20), (a1, b4, c2, d21), (a1, b4, c2, d22), (a1, b4, c3, d1), (a1, b4, c3, d2), (a1, b4, c3, d3), (a1, b4, c3, d4), (a1, b4, c3, d5), (a1, b4, c3, d6), (a1, b4, c3, d7), (a1, b4, c3, d8), (a1, b4, c3, d9), (a1, b4, c3, d10), (a1, b4, c3, d11), (a1, b4, c3, d12), (a1, b4, c3, d13), (a1, b4, c3, d14), (a1, b4, c3, d15), (a1, b4, c3, d16), (a1, b4, c3, d17), (a1, b4, c3, d18), (a1, b4, c3, d19), (a1, b4, c3, d20), (a1, b4, c3, d21), (a1, b4, c3, d22), (a1, b5, c1, d1), (a1, b5, c1, d2), (a1, b5, c1, d3), (a1, b5, c1, d4), (a1, b5, c1, d5), (a1, b5, c1, d6), (a1, b5, c1, d7), (a1, b5, c1, d8), (a1, b5, c1, d9), (a1, b5, c1, d10), (a1, b5, c1, d11), (a1, b5, c1, d12), (a1, b5, c1, d13), (a1, b5, c1, d14), (a1, b5, c1, d15), (a1, b5, c1, d16), (a1, b5, c1, d17), (a1, b5, c1, d18), (a1, b5, c1, d19), (a1, b 5, c1, d20), (a1, b5, c1, d21), (a1, b5, c1, d22), (a1, b5, c2, d1), (a1, b5, c2, d2), (a1, b5, c2, d3), (a1, b5, c2, d4), (a1, b5, c2, d5), (a1, b5, c2, d6), (a1, b5, c2, d7), (a1, b5, c2, d8), (a1, b5, c2, d9), (a1, b5, c2, d10), (a1, b5

, c2, d11), (a1, b5, c2, d12), (a1, b5, c2, d13), (a1, b5, c2, d14), (a1, b5, c2 , d15), (a1, b5, c2, d16), (a1, b5, c2, d17), (a1, b5, c2, d18), (a1, b5, c2, d1 9), (a1, b5, c2, d20), (a1, b5, c2, d21), (a1, b5, c2, d22), (a1, b5, c3, d1), (a1, b5, c3, d2), (a1, b5, c3, d3), (a1, b5, c3, d4), (a1, b5, c3, d5), (a1, b5, c3, d6), (a1, b5, c3, d7), (a1, b5, c3, d8), (a1, b5, c3, d9), (a1, b5, c3, d10), (a1, b5, c3, d11), (a1, b5, c3, d12), (a1, b5, c3, d13), (a1, b5, c3, d14), (a1, b5, c3, d15), (a1, b5, c3, d1 6), (a1, b5, c3, d17), (a1, b5, c3, d18), (a1, b5, c3, d19), (a1, b5, c3, d20), (a1, b5, c3, d21), (a1, b5, c3, d22), (a1, b6, c1, d1), (a1, b6, c1, d2), (a1, b6, c1, d3), (a1, b6, c1, d4), (a1, b6, c1, d5) , (a1, b6, c1, d6), (a1, b6, c1, d7), (a1, b6, c1, d8), (a1, b6, c1, d9), (a1, b6, c1, d10), (a1, b6, c1, d11), (a1, b6, c1, d12), (a1, b6, c1, d13), (a1, b6, c1, d14), (a1, b6, c1, d15), (a1, b6, c1, d16), (a1, b6, c1, d17), (a1, b6, c1, d18), (a1, b6, c1, d19), (a1, b6, c1, d20), (a1, b6, c1, d21), (a1, b6, c1, d22), (a1, b6, c2, d1), (a1, b6, c2, d2), (a1, b6, c2, d3), (a1, b6, c2, d4), (a1, b6, c2, d5), (a1, b6, c2, d6), (a1, b6, c2, d7), (a1, b6, c2, d8), (a1, b6, c2, d9), (a1, b6, c2, d10), (a1, b6, c2, d11), (a1, b6, c2, d12), (a1, b6, c2, d13), (a1 , b6, c2, d14), (a1, b6, c2, d15), (a1, b6, c2, d16), (a1, b6, c2, d17), (a 1, b6, c2, d18), (a1, b6, c2, d19), (a1, b6, c2, d20), (a1, b6, c2, d21), (a1, b 6, c2, d22), (a1, b6, c3, d1), (a1, b6, c3, d2), (a1, b6, c3, d3), (a1, b6, c3, d4), (a1, b6, c3, d5) , (a1, b6, c3, d6), (a1, b6, c3, d7), (a1, b6, c3, d8), (a 1, b6, c3, d9), (a1, b6, c3, d10), (a1, b6, c3, d11), (a1, b6, c3, d12), (a1, b6 , c3, d13), (a1, b6, c3, d14), (a1, b6, c3, d15), (a1, b6, c3, d16), (a1, b6, c3 , d17), (a1, b6, c3, d18), (a1, b6, c3 , d19), (a1, b6, c3, d20), (a1, b6, c3, d 21), (a1, b6, c3, d22), (a2, b1, c1, d1), (a2, b1, c1, d2), (a2, b1, c1, d3), (a 2, b1, c1, d4), (a2, b1, c1, d5), (a2, b1, c1, d6), (a2, b1, c1, d7), (a2, b1, c 1, d8), (a2, b1, c1, d9), (a2, b1, c1, d10), (a2, b1, c 1, d11), (a2, b1, c1, d1 2), (a2, b1, c1, d13), (a2, b1, c1, d14), (a2, b1, c1, d15), (a2, b1, c1, d16), (a2, b1, c1, d17), (a2, b1, c1, d18), (a2, b1, c1, d19), (a2, b1, c1, d20), (a2, b1, c1, d21), (a2, b1, c1, d22), (a2, b1, c2, d1), (a2, b1, c2, d2), (a 2, b1, c2, d3), (a2, b1, c2, d4), (a2, b1, c2, d5), (a2, b1, c2, d6), (a2, b1, c2, d7), (a2, b1, c2, d8), (a2, b1, c2, d9), (a2, b1, c2, d10), (a2, b1, c2, d11), (a2, b1, c2, d12), (a2, b1, c2, d13), (a2, b1, c2, d14), (a2, b1, c2, d15), (a2, b1, c2, d16), (a2, b1, c2, d17), (a2, b1, c2, d18), (a2, b1, c2, d19), (a2, b1, c2, d20), (a2, b1, c2, d21), (a2, b1, c2, d22), (a2, b1, c3, d1), (a2, b1, c3, d2), (a2, b1, c3, d3), (a2, b1, c3, d4), (a2, b1, c3, d5), (a2, b1, c3, d6), (a2, b1 , c3, d7), (a2, b1, c3, d8), (a2, b1, c3, d9), (a2, b1, c3, d10), (a2, b1, c3, d11), (a2, b1, c3, d12), (a2, b1, c3, d13), (a2, b1, c3, d14), (a2, b1, c3, d15) , (a2, b1, c3, d16), (a2, b1, c3, d17), (a2, b1, c3, d18), (a2, b1, c3, d19), (a 2, b1, c3, d20), (a2, b1, c3, d21), (a2, b1 , c3, d22), (a2, b2, c1, d1), (a2, b 2, c1, d2), (a2, b2, c1, d3), (a2, b2, c1, d4), (a2, b2, c1, d5), (a2, b2, c1, d 6), (a2, b2, c1, d7), (a2, b2, c1, d8), (a2, b2, c1, d9), (a2, b2, c1, d10), (a2 , b2, c1, d11), (a2, b2, c1, d12), (a2, b2, c1, d13), (a2, b 2, c1, d14), (a2, b 2, c1, d15), (a2, b2, c1, d16), (a2, b2, c1, d17), (a2, b2, c1, d18), (a2, b2, c 1, d19), (a2, b2, c1, d20), (a2, b2, c1, d21), (a2, b2, c1, d22), (a2, b2, c2, d 1), (a2, b2, c2, d2), (a2, b2, c2, d3), (a2, b2, c2, d4), (a2, b2, c2, d5), (a2 , b2, c2, d6), (a2, b2, c2, d7), (a2, b2, c2, d8), (a2, b2, c2, d9), (a2, b2, c2 , d10), (a2, b2, c2, d11), (a2, b2, c2, d12), (a2, b2, c2, d13), (a2, b2, c2, d1 4), (a2, b2, c2, d15), (a2, b2, c2, d16), (a2, b2, c2, d17), (a2, b2, c2, d18), (a2, b2, c2, d 19), (a2, b2, c2, d20), (a2, b2, c2, d21), (a2, b2, c2, d22), (a2 , b2, c3, d1), (a2, b2, c3, d2), (a2, b2, c3, d3), (a2, b2, c3, d4), (a2, b2, c3

, d5), (a2, b2, c3, d6), (a2, b2, c3, d7), (a2, b2, c3, d8), (a2, b2, c3, d9), (a2, b2, c3, d10), (a2, b2, c3, d11), (a2, b2, c3, d12), (a2, b2, c3, d13), (a2, b2, c3, d14), (a2, b2, c3, d15), (a2, b2, c3, d16), (a2, b2, c3, d17), (a2, b2, c3, d18), (a2, b2, c3, d19), (a2, b2, c3, d20), (a2, b2, c3, d21), (a2, b2, c3, d22), (a2, b3, c1, d1), (a2, b3, c1, d2), (a2, b3, c1, d3), (a2, b3, c1, d4), (a2, b3, c1, d5), (a2, b3, c1, d6), (a2, b3, c1, d7), (a2, b3, c1, d8), (a2, b3, c1, d9), (a2, b3, c1, d10), (a2, b3, c1, d11), (a2, b3, c1, d12), (a2, b3, c1, d13), (a2, b3, c1, d14), (a2, b3, c1, d15), (a2, b3, c1, d16), (a 2, b3, c1, d17), (a2, b3, c1, d18), (a2, b3, c1, d19), (a2, b3, c1, d20), (a2, b3, c1, d21), (a2, b3, c1, d22), (a2, b3, c2, d1), (a2, b3, c2, d2), (a2, b3, c2, d3), (a2, b3, c2, d4), (a2, b3, c2, d5), (a2, b3, c2, d6), (a2, b3, c2, d7), (a2, b3, c2, d8), (a2, b3, c2, d9), (a2, b3, c2, d10), (a2, b3, c2, d11), (a2, b3, c2, d12), (a2, b3, c2, d13), (a2, b3, c2, d14), (a2, b3, c2, d15), (a2, b3, c2, d16), (a2, b3, c2, d17), (a2, b3, c2, d18), (a2, b3, c2, d19), (a2, b3, c2, d20), (a2, b3, c2, d21), (a2, b3, c 2, d22), (a2, b3, c3, d1), (a2, b3, c3, d2), (a2, b3, c3, d3), (a2, b3, c3, d4), (a2, b3, c3, d5), (a2, b3, c3, d6), (a2, b3, c3, d7), (a2, b3, c3, d8), (a2, b3, c3, d9), (a2, b3, c3, d10), (a2, b3, c3, d11), (a2, b3, c3, d12), (a2, b3, c3, d13), (a2, b3, c3, d14), (a2, b3, c3, d15), (a2, b3, c3, d16), (a2, b3, c3, d17), (a2, b3, c3, d18), (a2, b3, c3, d19), (a2, b3, c3, d20), (a2, b3, c3, d21), (a2, b3, c3, d22), (a2, b4, c1, d1), (a2, b4, c1, d2), (a2, b4, c1, d3), (a2, b4, c1, d4), (a2, b4, c1, d5), (a2, b4, c1, d6), (a2, b4, c1, d7), (a2, b4, c1, d8), (a2, b4, c1, d9), (a2, b4, c1, d10), (a2, b4, c1, d11), (a2, b4, c1, d12), (a2, b4, c1, d13), (a2, b4, c1, d14), (a2, b4, c1, d15), (a2, b4, c1, d16), (a2, b4, c1, d17), (a2, b4, c1, d18), (a2, b4, c1, d19) , (a2, b4, c1, d20), (a2, b4, c1, d21), (a2, b4, c1, d22), (a2, b4, c2, d1), (a2, b4, c2, d2), (a2, b4, c2, d3), (a2, b4, c2, d4), (a2, b4, c2, d5), (a2, b4, c2, d6), (a2, b4, c2, d7), (a2, b4, c2, d8), (a2, b4, c2, d9), (a2, b4, c2, d10), (a2, b4, c2, d11), (a2, b4, c2, d12), (a2, b4, c2, d13), (a2, b4, c2, d14), (a2, b4, c2, d15), (a2, b4, c2, d16), (a2, b4, c2, d17), (a2, b4, c2, d18), (a2, b4, c2, d19), (a2, b4, c2, d20), (a2, b4, c2, d21), (a2, b4, c2, d22), (a2, b4, c3, d1), (a2, b4, c3, d2), (a2, b4, c3, d3), (a2, b4, c3, d4), (a2, b4, c3, d5), (a2, b4, c3, d6), (a2, b4, c3, d7), (a2, b4, c3, d8), (a2, b4, c3, d9), (a2, b4, c3, d10), (a2, b4, c3, d11), (a2, b4, c3, d12), (a2, b4, c3, d13), (a2, b4, c3, d14), (a2, b4, c3, d15), (a2, b4, c3, d16), (a2, b4, c3, d17), (a2, b4, c3, d18), (a2, b4, c3, d19), (a2, b4, c3, d20), (a2, b4, c3, d21), (a2, b4, c3, d22), (a2, b5, c1, d1), (a2, b5, c1, d2), (a2, b5, c1, d3), (a2, b5, c1, d4), (a2, b5, c1, d5), (a2, b5, c1, d6), (a2, b5, c1, d7), (a2, b5, c1, d8), (a2 , b5, c1, d9), (a2, b5, c1, d10), (a2, b5, c1, d11), (a2, b5, c1, d12), (a2, b5, c1, d13), (a2, b5, c1, d14), (a2, b5, c1, d15), (a2, b5, c1, d16), (a2, b5, c1, d17), (a2, b5, c1, d18), (a2, b5, c1, d19), (a2, b5, c1, d20), (a2, b5, c1, d21), (a2, b5, c1, d22), (a2, b5, c2, d1), (a2, b5, c2, d2), (a2, b5, c2, d3), (a2, b5, c2, d4), (a2, b5, c2, d5), (a2, b5, c2, d6), (a2, b5, c2, d7), (a2, b5, c2, d8), (a2, b5, c2, d9), (a2, b5, c2, d10), (a2, b5, c2, d11), (a2, b5, c2, d12), (a2, b5, c2, d13), (a2, b5, c2, d14), (a2, b5, c2, d15), (a2, b5, c2, d16), (a2, b5, c2, d17), (a2, b5, c2, d18), (a2, b5, c2, d19), (a2, b5, c2, d20), (a2, b5, c2, d21), (a2, b5, c2, d22), (a2, b5, c3, d1), (a2, b5, c3, d2), (a2, b5, c3, d3), (a2, b5, c3, d4), (a2, b5, c3, d5), (a2, b5 , c3, d6), (a2, b5, c3, d7), (a2, b5, c3, d8), (a2, b5, c3, d9), (a2, b5, c3, d10), (a2, b5, c3, d11), (a2, b5, c3, d12), (a2, b5, c3, d13), (a2, b5, c3, d14), (a2, b5, c3, d15), (a2, b5, c3, d16), (a2, b5, c3, d17),

(a2, b5, c3, d18), (a2, b5, c3, d19), (a2, b5, c3, d20), (a2, b5, c3, d21), (a2 , b5, c3, d22), (a2, b6, c1, d1), (a2, b6, c1, d2), (a2, b6, c1, d3), (a2, b6, c 1, d4), (a2, b6, c1, d5), (a2, b6, c1, d6), (a2, b6, c1, d7), (a2, b6, c1, d8), (a2, b6, c1, d9), (a2, b6, c1, d10), (a2, b6, c1, d11), (a2, b6, c1, d12), (a2, b6, c1, d13), (a2, b6, c1, d14), (a2, b6, c1, d15), (a2, b6, c1, d16), (a2, b6, c1, d17), (a2, b6, c1, d18), (a2, b6, c1, d19), (a2, b6, c1, d20), (a2, b6, c1, d21), (a2, b6, c1, d22), (a2, b6, c2, d1), (a2, b6, c2, d2), (a2, b6, c2 , d3), (a2, b6, c2, d4), (a2, b6, c2, d5), (a2, b6, c2, d6), (a2, b6, c2, d7), (a2, b6, c2, d8), (a2, b6, c2, d9), (a2, b6, c2, d10), (a2, b6, c2, d11), (a2, b6, c2, d 12), (a2, b6, c2, d13), (a2, b6, c2, d14), (a2, b6, c2, d15), (a2, b6, c2, d16), (a2, b6, c2, d17), (a2, b6, c2, d18), (a2, b6, c2, d19), (a2, b6, c2, d20), (a 2, b6, c2, d21), (a2, b6, c2, d22), (a2, b6, c3, d1), (a2, b6, c3, d2), (a2, b6, c3, d3), (a2, b6, c3, d4), (a2, b6, c3, d5), (a2, b6, c3, d6), (a2, b6, c3, d7) , (a2, b6, c3, d8), (a2, b 6, c3, d9), (a2, b6, c3, d10), (a2, b6, c3, d11), (a2 , b6, c3, d12), (a2, b6, c3, d13), (a2, b6, c3, d14), (a2, b6, c3, d15), (a2, b6 , c3, d16), (a2, b6, c3, d17), (a2, b6, c3, d18), (a2, b6, c3, d19), (a2, b6, c3 , d20), (a2, b6, c3, d21), (a2, b6, c3, d22), (a3, b1, c1, d1), (a3, b1, c1, d2), (a3, b1, c1, d3), (a3, b1, c1, d4), (a3, b1, c1, d5), (a3, b1, c1, d6), (a3, b1, c1, d7), (a3, b1, c1, d8), (a3, b1, c1, d9), (a3, b1, c1, d10), (a3, b1, c1, d11), (a3, b1, c1, d12), (a3, b1, c1, d13), (a3, b1, c1, d1 4), (a3, b1, c1, d1 5), (a3, b1, c1, d16), (a3, b1, c1, d17), (a3, b1, c1, d18), (a3, b1, c1, d19), (a3, b1, c1, d20), (a3, b1, c1, d21), (a3, b1, c1, d22), (a3, b1, c2, d1), (a3, b1, c2, d2), (a3, b1, c2, d3), (a3, b1, c2, d4), (a3, b1, c2, d5), (a3, b1, c 2, d6), (a3, b1, c2, d7), (a3, b1, c2, d8), (a3, b1, c2, d9), (a3, b1, c2, d10), (a3, b1, c2, d11), (a3, b1, c2, d12), (a3, b1, c2, d13), (a3, b1, c2, d14), (a3, b1, c2, d15), (a3, b1, c2, d16), (a3, b1, c2, d17), (a3, b1, c2, d18), (a3, b1, c2, d19), (a3, b1, c2, d20), (a3, b1, c2, d21), (a3, b1, c2, d22), (a3, b1, c3, d1), (a3, b1, c3, d2), (a3, b1, c3, d3), (a3, b1, c3, d4), (a3, b1, c3, d5), (a 3, b1, c3, d6), (a3, b1, c3, d7), (a3, b1, c3, d8), (a3, b1, c3, d9), (a3, b1, c 3, d10), (a3, b1, c3, d11), (a3 , b1, c3, d12), (a3, b1, c3, d13), (a3, b1, c3, d14), (a3, b1, c3, d15), (a3, b1, c3, d16), (a3, b1, c3, d17), (a3, b1, c3, d18) , (a3, b1, c3, d19), (a3, b1, c3, d20), (a3, b1, c3, d21), (a3, b1, c3, d22), (a 3, b2, c1, d1), (a3, b2, c1, d2), (a3, b2, c1, d 3), (a3, b2, c1, d4), (a3, b2, c1, d5), (a3, b2, c1, d6), (a3, b2, c1, d7), (a3, b2, c1, d8), (a3, b2, c1, d9), (a3, b2, c1, d10), (a3, b2, c1, d11), (a3, b2, c1, d12), (a3, b2, c1, d13), (a3 , b2, c1, d14), (a3, b2, c1, d15), (a3, b2, c1, d16), (a3, b2, c1 , d17), (a3, b 2, c1, d18), (a3, b2, c1, d19), (a3, b2, c1, d20), (a3, b2, c1, d21), (a3, b2, c 1, d22), (a3, b2, c2, d1), (a3, b2, c2, d2), (a3, b2, c2, d3), (a3, b2, c2, d4), (a3, b2, c2, d5), (a3, b2, c2, d6), (a3, b2, c2, d7), (a3, b2, c2, d8), (a3, b 2 , c2, d9), (a3, b2, c2, d10), (a3, b2, c2, d11), (a3, b2, c2, d12), (a3, b2, c2, d13), (a3, b2, c2, d14), (a3, b2, c2, d15), (a3, b2, c2, d16), (a3, b2, c2, d17), (a3, b2, c2, d18), (a3, b2, c2, d19), (a3, b2, c2, d20), (a3, b2, c2, d21), (a3, b2, c2, d22), (a3, b2, c3, d1), (a3, b2, c3, d2), (a3, b2, c3, d3), (a3, b2, c3, d4), (a3, b2, c3, d5), (a3, b2, c3, d6), (a3, b2, c3, d7), (a3, b2, c3, d8) , (a3, b2, c3, d9), (a3, b2, c3, d10), (a3, b2, c3, d11), (a3, b2, c3, d12), (a3 , b2, c3, d13), (a3, b2, c3, d14), (a3, b2, c3, d15), (a3, b2, c3, d16), (a3, b 2, c3, d17), (a3, b2, c3, d18), (a3, b2, c3, d19), (a3, b2, c3, d20), (a3, b2, c 3, d21), (a3, b2, c3, d22), (a3, b3, c1, d1), (a3, b3, c1, d2), (a3, b3, c1, d3) , (a3, b3, c1, d4), (a3, b3, c1, d5), (a3, b3, c1, d6), (a3, b3, c1, d7), (a3, b 3, c1, d8), (a3, b3, c1, d9), (a3, b3, c1, d10), (a3, b3, c1, d11), (a3, b3, c1,

d12), (a3, b3, c1, d13), (a3, b3, c1, d14), (a3, b3, c1, d15), (a3, b3, c1, d16), (a3, b3, c1, d17), (a3, b3, c1, d18), (a3, b3, c1, d19), (a3, b3 , c1, d20), (a3, b3, c1, d21), (a3, b3, c1, d22), (a3, b3, c2, d1), (a3, b3, c2, d2), (a3, b3, c2, d3), (a3, b3, c2, d4), (a3, b3, c2, d5), (a3, b3, c2, d6), (a3, b3, c2, d7), (a3, b3, c2, d8), (a3, b3, c2, d9), (a3, b3, c2, d10), (a3, b3, c2, d11), (a3, b 3, c2, d12), (a3, b3, c2, d13), (a3, b3, c2, d14), (a3, b3, c2, d15), (a3, b3, c2, d16), (a3, b3, c2, d17), (a3, b3, c2, d18), (a3, b3, c2, d19), (a3, b3, c2, d20), (a3, b3, c2, d21), (a3, b3, c2, d22), (a3, b3, c3, d1), (a3, b3, c3, d2), (a3, b3, c3, d3), (a3, b3, c3, d4), (a3, b3, c3, d5), (a3, b3, c3, d6), (a3, b3, c3, d7), (a3, b3, c3, d8), (a3, b3, c3, d9), (a3, b3, c3, d10), (a3, b3, c3, d11), (a3, b3, c3, d12), (a3, b3, c3, d13), (a3, b3, c3, d14), (a3, b3, c3, d15), (a3, b3, c3, d16), (a3, b3, c3, d 17), (a3, b3, c3, d18), (a3, b3, c3, d19), (a3, b3, c3, d20), (a3, b3, c3, d21), (a3, b3, c3, d22), (a3, b4, c1, d1), (a3, b4, c1, d2), (a3, b4, c1, d3), (a3, b4, c1, d4), (a3, b4, c1, d5), (a3, b4, c1, d6), (a3, b4, c1, d7), (a3, b4, c1, d8), (a3, b4, c1, d9), (a3, b4, c1, d10), (a3, b4, c1, d11), (a3, b4, c1, d12), (a3, b4, c1, d13), (a3, b4, c1, d14), (a3, b4, c1, d15), (a3, b4, c1, d16), (a3, b4, c1, d17), (a3, b4, c1, d18), (a3, b4, c1, d19), (a3, b4, c1, d20), (a3, b4, c1, d21), (a3, b4, c1, d22), (a3 , b4, c2, d1), (a3, b4, c2, d2), (a3, b4, c2, d3), (a3, b4, c2, d4), (a3, b4, c2, d5), (a3, b4, c2, d6), (a3, b4, c2, d7), (a3, b4, c2, d8), (a3, b4, c2, d9), (a3, b4, c2, d10), (a3, b4, c2, d11), (a3, b4, c2, d12), (a3, b4, c2, d13), (a3, b4, c2, d14), (a 3, b4, c2, d15), (a3, b4, c2, d16), (a3, b4, c2, d17), (a3, b4, c2, d18), (a3, b4, c2, d19), (a3, b4, c2, d20), (a3, b4, c2, d21), (a3, b4, c2, d22), (a3, b4, c3, d1), (a3, b4, c3, d2), (a3, b4, c3, d3), (a3, b4, c3, d4), (a3, b4, c3, d5), (a3, b4, c3, d6) , (a3, b4, c3, d7), (a3, b4, c3, d8), (a3, b4, c3, d9), (a3, b4, c3, d10), (a3, b4, c3, d11), (a3, b4, c3, d12), (a3, b4, c3, d13), (a3, b4, c3, d14), (a3, b4, c3, d15), (a3, b4, c3, d16), (a3, b4, c3, d17), (a3, b4, c3, d18), (a3, b4, c3, d19), (a3, b4, c 3, d20), (a3, b4, c3, d21), (a3, b4, c3, d22), (a3, b5, c1, d1), (a3, b5, c1, d2), (a3, b5, c1, d3), (a3, b5, c1, d4), (a3, b5, c1, d5), (a3, b5, c1, d6), (a3, b5, c1, d7), (a3, b5, c1, d8), (a3, b5, c1, d9), (a3, b5, c1, d10), (a3, b5, c1, d11), (a3, b5, c1, d12), (a3, b5, c 1, d13), (a3, b5, c1, d14), (a3, b5, c1, d15), (a3, b5, c1, d16), (a3, b5, c1, d 17), (a3, b5, c1, d18), (a3, b5, c1, d19), (a3, b5, c1, d20), (a3, b5, c1, d21), (a3, b5, c1, d22), (a3, b5, c2, d1), (a3, b5, c2, d2), (a3, b5, c2, d3), (a 3, b5, c2, d4), (a3, b5, c2, d5), (a3, b5, c2, d6), (a3, b5, c2, d7), (a3, b5, c2, d8), (a3, b5, c2, d9), (a3, b5, c2, d10), (a3, b5, c2, d11), (a3, b5, c2, d12), (a3, b5, c2, d13), (a3, b5, c2, d14), (a3, b5, c2, d15), (a3, b5, c2, d16), (a3, b5, c2, d17) , (a3, b5, c2, d18), (a3, b5, c2, d19), (a3, b5, c2, d20), (a3, b5, c2, d21), (a3, b5, c2, d22), (a3, b5, c3, d1), (a3, b5, c3, d2), (a3, b5, c3, d 3), (a3, b5, c3, d4), (a3, b5, c3, d5), (a3, b5, c3, d6), (a3, b5, c3, d7), (a3, b5, c3, d8), (a3, b5, c3, d9), (a3, b5, c3, d10), (a3, b5, c3, d11), (a3, b5, c3, d12), (a3, b5, c3, d13), (a3, b5, c3, d14), (a3, b5, c3, d15), (a3, b5, c3, d16), (a3, b5, c3, d17), (a3, b5, c3, d18), (a3, b5, c3, d19), (a3, b5, c3, d20), (a3, b5, c3, d21), (a3, b5, c3, d22), (a3, b 6, c1, d1), (a3, b6, c1, d2), (a3, b6, c1, d3), (a3, b6, c1, d4), (a3, b6, c1, d5), (a3, b6, c1, d6), (a3, b6, c1, d7), (a3, b6, c1, d8), (a3, b6, c1, d9), (a3, b6, c1, d10), (a3, b6, c1, d11), (a3, b6, c1, d12), (a3, b6, c1, d13), (a3, b6, c1, d14), (a3, b6, c1, d15), (a3, b6, c1, d16), (a3, b6, c1, d17), (a3, b6, c1, d18), (a3, b6, c1, d19), (a3, b6, c1, d20), (a3, b6, c1, d21), (a3, b6, c1, d22), (a3, b6, c2, d1), (a3, b6, c2,

d2), (a3, b6, c2, d3), (a3, b6, c2, d4), (a3, b6, c2, d5), (a3, b6, c2, d6), (a3, b6, c2, d7), (a3, b6, c2, d8), (a3, b6, c2, d9), (a3, b6, c2, d10), (a3, b6, c2, d11), (a3, b6, c2, d12), (a3, b6, c2, d13), (a3, b6, c2, d14), (a3, b6, c2, d15), (a3, b6, c2, d16), (a3, b6, c2, d17), (a3, b6, c2, d18), (a3, b6, c2, d19), (a3, b6, c2, d20), (a3, b6, c2, d21), (a3, b6, c2, d22), (a3, b6, c3, d1), (a3, b6, c3, d2), (a3, b6, c3, d3), (a3, b6, c3, d4), (a3, b6, c3, d5), (a3, b6, c3, d6), (a3, b6, c3, d7), (a3, b6, c3, d8), (a3, b6, c3, d9), (a3, b6, c3, d10), (a3, b6, c3, d11), (a3, b6, c3, d12), (a3, b6, c3, d13), (a3, b6, c3, d14), (a3, b6, c3, d15), (a3, b6, c3, d16), (a3, b6, c3, d17), (a3, b6, c3, d18), (a3, b6, c3, d19), (a3, b6, c3, d20), (a3, b6, c3, d21), (a3, b6, c3, d22), (a4, b1, c1, d1), (a4, b1, c1, d2), (a4, b1, c1, d3), (a4, b1, c1, d4), (a4, b1, c1, d5), (a4, b1, c1, d6), (a4, b1, c1, d7), (a4, b1, c1, d8), (a4, b1, c1, d9), (a4, b1, c1, d10), (a4, b1, c1, d11), (a4, b1, c1, d12), (a4, b1, c1, d13), (a4, b1, c1, d14), (a4, b1, c1, d15), (a4, b1, c1, d16), (a4, b1, c1, d17), (a4, b1, c1, d18), (a4, b1, c1, d19), (a4, b1, c1, d20), (a4, b1, c1, d21), (a4, b1, c1, d22), (a4, b1, c2, d1), (a4, b1, c2, d2), (a4, b1, c2, d3), (a4, b1, c2, d4), (a4, b1, c2, d5), (a4, b1, c2, d6), (a4, b1, c2, d7), (a4, b1, c2, d8), (a4, b1, c2, d9), (a4, b1, c2, d10), (a4, b1, c2, d11), (a4, b1, c2, d12), (a4, b1, c2, d13), (a4, b1, c2, d14), (a4, b1, c2, d15), (a4, b1, c2, d16), (a4, b1, c2, d17), (a4, b1, c2, d18), (a4, b1, c2, d19), (a4, b1, c2, d20), (a4, b1, c2, d21), (a4, b1, c2, d22), (a4, b1, c3, d1), (a4, b1, c3, d2), (a4, b1, c3, d3), (a4, b1, c3, d4), (a4, b1, c3, d5), (a4, b1, c3, d6), (a4, b1, c3, d7), (a4, b1, c3, d8), (a4, b1, c3, d9), (a4, b1, c3, d10), (a4, b1, c3, d11), (a4, b1, c3, d12), (a4, b1, c3, d13), (a4, b1, c3, d14), (a4, b1, c3, d15), (a4, b1, c3, d16), (a4, b1, c3, d17), (a4, b1, c3, d18), (a4, b1, c3, d19), (a4, b1, c3, d20), (a4, b1, c3, d21), (a4, b1, c3, d22), (a4, b2, c1, d1), (a4, b2, c1, d2), (a4, b2, c1, d3), (a4, b2, c1, d4), (a4, b2, c1, d5), (a4, b2, c1, d6), (a4, b2, c1, d7), (a4, b2, c1, d8), (a4, b2, c1, d9), (a4, b2, c1, d10), (a4, b2, c1, d11), (a4, b2, c1, d12), (a4, b2, c1, d13), (a4, b2, c1, d14), (a4, b2, c1, d15), (a4, b2, c1, d16), (a4, b2, c1, d17), (a4, b2, c1, d18), (a4, b2, c1, d19), (a4, b2, c1, d20), (a4, b2, c1, d21), (a4, b2, c1, d22), (a4, b2, c2, d1), (a4, b2, c2, d2), (a4, b2, c2, d3), (a4, b2, c2, d4), (a4, b2, c2, d5), (a4, b2, c2, d6), (a4, b2, c2, d7), (a4, b2, c2, d8), (a4, b2, c2, d9), (a4, b2, c2, d10), (a4, b2, c2, d11), (a4, b2, c2, d12), (a4, b2, c2, d13), (a4, b2, c2, d14), (a4, b2, c2, d15), (a4, b2, c2, d16), (a4, b2, c2, d17), (a4, b2, c2, d18), (a4, b2, c2, d19), (a4, b2, c2, d20), (a4, b2, c2, d21), (a4, b2, c2, d22), (a4, b3, c1, d1), (a4, b3, c1, d2), (a4, b3, c1, d3), (a4, b3, c1, d4), (a4, b3, c1, d5), (a4, b3, c1, d6), (a4, b3, c1, d7), (a4, b3, c1, d8), (a4, b3, c1, d9), (a4 , b3, c1, d10), (a4, b3, c1, d11), (a4, b3, c1, d12), (a4, b3, c1, d13), (a4, b3, c1, d14), (a4, b3, c1, d15), (a4, b3, c1, d16), (a4, b3, c1, d17), (a4, b3, c1, d18), (a4, b3, c1, d19), (a4, b3, c1, d20), (a4, b3, c1, d21), (a4, b3, c1, d22), (a4, b3, c2, d1), (a4, b3, c2, d2), (a4, b3, c2, d3), (a4, b3, c2, d4), (a4, b3, c2, d5), (a4, b3, c2, d6), (a4, b3, c2, d7), (a4, b3, c2, d8), (a4, b3, c2, d9), (a4, b3, c2, d10), (a4, b3, c2, d11), (a4, b3, c2, d12), (a4, b3, c2, d13), (a4, b3, c2, d14), (a4, b3, c2 , d15), (a4, b3, c2, d16), (a4, b3, c2, d17), (a4, b3, c2, d18), (a4,

b3, c2, d19), (a4, b3, c2, d20), (a4, b3, c2, d21), (a4, b3, c2, d22), (a4, b3, c3, d1), (a4, b3, c3, d2), (a4, b3, c3, d3), (a4, b3, c3, d4), (a4, b3, c3, d5), (a4, b3, c3, d6), (a4, b3 , c3, d7), (a4, b3, c3, d8), (a4, b3, c3, d9), (a4, b3, c3, d10), (a4, b3, c3, d11), (a4, b3, c3, d12), (a4, b3, c3, d13), (a4, b3, c3, d14), (a4, b3, c3, d15), (a4, b3, c3, d16), (a4, b3, c3, d17), (a4, b3, c3, d18), (a4, b3, c3, d19), (a4, b3, c3, d20), (a4, b3, c3, d21), (a4, b3, c3, d22), (a4, b4, c1, d1), (a4, b4, c1, d2), (a4, b4, c1, d3), (a4, b4, c1, d4), (a4, b4, c1, d5), (a4, b4, c1, d6), (a4, b4, c1, d7), (a4, b4, c1, d8), (a4, b4, c1, d9), (a4, b4, c1, d10), (a4, b4, c1, d11), (a4, b4, c1, d12), (a4, b4, c1, d13), (a4, b4, c1, d14), (a4, b4, c1, d15), (a4, b4, c1, d16), (a4, b4, c1, d17), (a4, b4, c1, d18), (a4, b4, c1, d19), (a4, b4, c1, d20), (a4, b4, c1, d21), (a4, b4, c1, d22), (a4, b4, c2, d1), (a4, b4, c2, d2), (a4, b4, c2, d3), (a4, b4, c2 , d4), (a4, b4, c2, d5), (a4, b4, c2, d6), (a4, b4, c2, d7), (a4, b4, c2, d8), (a4, b4, c2, d9), (a4, b4, c2, d10), (a4, b4, c2, d11), (a4, b4, c2, d12), (a4, b4, c2, d13), (a4, b4, c2, d14), (a4, b4, c2, d15), (a4, b4, c2, d16), (a4, b4, c2, d17), (a4, b4 , c2, d18), (a4, b4, c2, d19), (a4, b4, c2, d20), (a4, b4, c2, d21), (a4, b4, c2, d22), (a4, b4, c3, d1), (a4, b4, c3, d2), (a4, b4, c3, d3), (a4, b4, c3, d4), (a4, b4, c3, d5), (a4, b4, c3, d6), (a4, b4, c3, d7), (a4, b4, c3, d8), (a4, b4, c3, d9), (a4, b 4, c3, d10), (a4, b4, c3, d11), (a4, b4, c3, d12), (a4, b4, c3, d13), (a4, b4, c3, d14), (a4, b4, c3, d15), (a4, b4, c3, d16), (a4, b4, c3, d17), (a4, b4, c3, d18), (a4, b4, c3, d19), (a4, b4, c3, d20), (a4, b4, c3, d21), (a4, b4, c3, d22), (a4, b5, c1, d1), (a4, b5, c1, d2), (a4, b5, c1, d3), (a4, b5, c1, d4), (a4, b5, c1, d5), (a4, b5, c1, d6), (a4, b5, c1, d7), (a4, b5, c1, d8), (a4, b5, c1, d9), (a4, b5, c1, d10), (a4, b5, c1, d11), (a4, b5, c1, d12), (a4, b5, c1, d13), (a4, b5, c1, d14), (a4, b5, c1, d 15), (a4, b5, c1, d16), (a4, b5, c1, d17), (a4, b5, c1, d18), (a4, b5, c1, d19), (a4, b5, c1, d20), (a4, b5, c1, d21), (a4, b5, c1, d22), (a4, b5, c2, d1), (a4, b5, c2, d2), (a4, b5, c2, d3), (a4, b5, c2, d4), (a4, b5, c2, d5), (a4, b5, c2, d6), (a4, b5, c 2, d7), (a4, b5, c2, d8), (a4, b5, c2, d9), (a4, b5, c2, d10), (a4, b5, c2, d11), (a4, b5, c2, d12), (a4, b5, c2, d13), (a4, b5, c2, d14), (a4, b5, c2, d15), (a4, b5, c2, d16), (a4, b5, c2, d17), (a4, b5, c2, d18), (a4, b5, c2, d19), (a4, b5, c2, d20), (a4 , b5, c2, d21), (a4, b5, c2, d22), (a4, b5, c3, d1), (a4, b5, c3, d2), (a4, b5, c3, d3), (a4, b5, c3, d4), (a4, b5, c3, d5), (a4, b5, c3, d6), (a4, b5, c3, d7), (a4, b5, c3, d8), (a4, b5, c3, d9), (a4, b5, c3, d10), (a4, b5, c3, d11), (a4, b5, c3, d12), (a 4, b5, c3, d13), (a4, b5, c3, d14), (a4, b5, c3, d15), (a4, b5, c3, d16), (a4, b5, c3, d17), (a4, b5, c3, d18), (a4, b5, c3, d19), (a4, b5, c3, d20), (a4, b5, c3, d21), (a4, b5, c3, d22), (a4, b6, c1, d1), (a4, b6, c1, d2), (a4, b6, c1, d3), (a4, b6, c1, d 4), (a4, b6, c1, d5), (a4, b6, c1, d6), (a4, b6, c1, d7), (a4, b6, c1, d8), (a4, b6, c1, d9), (a4, b6, c1, d10), (a4, b6, c1, d11), (a4, b6, c1, d12), (a4, b6, c1, d13), (a4, b6, c1, d14), (a4, b6, c1, d15), (a4, b6, c1, d16), (a4, b6, c1, d17), (a4, b6, c 1, d18), (a4, b6, c1, d19), (a4, b6, c1, d20), (a4, b6, c1, d21), (a4, b6, c1, d22), (a4, b6, c2, d1), (a4, b6, c2, d2), (a4, b6, c2, d3), (a4, b6, c2, d4), (a4, b6, c2, d5), (a4, b6, c2, d6), (a4, b6, c2, d7), (a4, b6, c2, d8), (a4, b6, c2, d9), (a 4, b6, c2, d10), (a4, b6, c2, d11), (a4, b6, c2, d12), (a4, b6, c2, d13), (a4, b6, c2, d14), (a4, b6, c2, d15), (a4, b6, c2, d16), (a4, b6, c2, d17), (a4, b6, c 2, d18), (a4, b6, c2, d19), (a4, b6, c2, d20), (a4, b6, c2, d21), (a4, b6, c2, d22), (a4, b6, c3, d1), (a4, b6, c3, d2), (a4, b6, c3, d3), (a4, b6, c3, d4), (a4, b6, c3, d5), (a4, b6, c3, d6), (a4, b6, c3, d7), (a4, b6, c3, d8), (a4, b6, c3, d9), (a4, b6, c3, d10), (a4, b6, c3, d11), (a4, b6, c3, d12), (a4, b6, c3, d13

), (a4, b6, c3, d14), (a4, b6, c3, d15) , (a4, b6, c3, d16), (a4, b6, c3, d17), (a4, b6, c3, d18), (a4, b6, c3, d19), (a4, b6, c3, d20), (a4, b6, c3, d21), (a4, b6, c3, d22), (a5, b1, c1, d1), (a5, b1, c1, d2), (a5, b1, c1, d3), (a5, b1, c1, d4), (a5, b1, c1, d5), (a5, b1, c1, d6), (a5, b1, c1, d7), (a5, b1, c1, d8), (a5, b1, c1, d9), (a5, b1, c1, d10), (a5, b1, c1, d11), (a5, b1, c1, d12), (a5, b1, c1, d13), (a5, b1, c1, d14), (a5, b1, c1, d15), (a5, b1, c1, d16), (a5, b1, c1, d17), (a5, b1, c1, d18), (a5, b1, c1, d19), (a5, b1, c1, d20), (a5, b 1, c1, d21), (a5, b1, c1, d22), (a5, b1, c2, d1), (a5, b1, c2, d2), (a5, b1, c2, d3), (a5, b1, c2, d4), (a5, b1, c2, d5), (a5, b1, c2, d6), (a5, b1, c2, d7), (a5, b1, c2, d8), (a5, b1, c2, d9), (a5, b1, c2, d10), (a5, b1, c2, d11), (a5, b1, c2, d12), (a5, b1, c2, d13), (a5, b1, c2, d14), (a5, b1, c2, d15), (a5, b1, c2, d16), (a5, b1, c2, d17), (a5, b1, c2, d18), (a5, b1, c2, d19), (a5, b1, c2, d20), (a5, b1, c2, d21), (a5, b1, c2, d22), (a5, b1, c3, d1), (a5, b1, c3, d2), (a5, b1, c3, d3), (a5, b1, c3, d4), (a5, b1, c3, d5), (a5, b1, c3, d6), (a5, b1, c3, d7), (a5, b1, c3, d8), (a5, b1, c3, d9), (a5, b1, c3, d10), (a5, b1, c3, d11), (a5, b1, c3, d12), (a5, b1, c3, d13), (a5, b1, c3, d14), (a5, b1, c3, d15), (a5, b1, c3, d16), (a5, b1, c3, d17), (a5, b1, c3, d18), (a5, b1, c3, d19), (a5, b1, c3, d
20), (a5, b1, c3, d21), (a5, b1, c3, d22), (a5, b2, c1, d1), (a5, b2, c1, d2), (a5, b2, c1, d3), (a5, b2, c1, d4), (a5, b2, c1, d5), (a5, b2, c1, d6), (a5, b2, c1, d7), (a5, b2, c1, d8), (a5, b2, c1, d9), (a5, b2, c1, d10), (a5, b2, c1, d11), (a5, b2, c1, d12), (a5, b2, c1, d13), (a5, b2, c1, d14), (a5, b2, c1, d15), (a5, b2, c1, d16), (a5, b2, c1, d17), (a5, b2, c1, d18), (a5, b2, c1, d19), (a5, b2, c1, d20), (a5, b2, c1, d21), (a5, b2, c1, d22), (a5, b2, c2, d1), (a5 , b2, c2, d2), (a5, b2, c2, d3), (a5, b2, c2, d4), (a5, b2, c2, d5), (a5, b2, c2, d6), (a5, b2, c2, d7), (a5, b2, c2, d8), (a5, b2, c2, d9), (a5, b2, c2, d10), (a5, b2, c2, d11), (a5, b2, c2, d12), (a5, b2, c2, d13), (a5, b2, c2, d14), (a5, b2, c2, d15), (a5, b2, c2, d16), (a5, b2, c2, d17), (a5, b2, c2, d18), (a5, b2, c2, d19), (a5, b2, c2, d20), (a5, b2, c2, d21), (a5, b2, c2, d22), (a5, b2, c3, d1), (a5, b2, c3, d2), (a5, b2, c3, d3), (a5, b2, c3, d4), (a5, b2, c3, d5), (a5, b 2, c3, d6), (a5, b2, c3, d7) , (a5, b2, c3, d8), (a5, b2, c3, d9), (a5, b2, c3, d10), (a5, b2, c3, d11), (a5, b2, c3, d12), (a5, b2, c3, d13), (a5, b2, c3, d14), (a5, b2, c3, d15), (a5, b2, c3, d16), (a5, b2, c3, d17), (a5, b2, c3, d18), (a 5, b2, c3, d19), (a5, b2, c3, d20), (a5, b2, c3, d21), (a5, b2, c3, d22), (a5, b 3, c1, d1), (a5, b3, c1, d2), (a5, b3, c1, d3), (a5, b3, c1, d4), (a5, b3, c1, d 5), (a5, b3, c1, d6), (a5, b3, c1, d7), (a5, b3, c1, d8), (a5, b3, c1, d9), (a5, b3, c1, d10), (a5, b3, c1, d11), (a5, b3, c1, d12), (a5, b3, c1, d13), (a5, b3 , c1, d14), (a5, b3, c1, d15), (a5, b3, c1, d16), (a5, b3, c1, d17), (a5, b3, c1 , d18), (a5, b3, c1, d19), (a5, b3, c1, d20), (a5, b3, c1, d21), (a5, b3, c1, d2 2), (a5, b3, c2, d1), (a5, b3, c2, d2), (a5, b3, c2, d3), (a5, b3, c2, d4), (a 5 , b3, c2, d5), (a5, b3, c2, d6), (a5, b3, c2, d7), (a5, b3, c2, d8), (a5, b3, c2 , d9), (a5, b3, c2, d10), (a5, b3, c2, d11), (a5, b3, c2, d12), (a5, b3, c2, d13), (a5, b3, c2, d14), (a5, b3, c2, d15), (a5, b3, c2, d16), (a5, b3, c2, d17), (a5, b3, c2, d18), (a5, b3, c2, d19), (a5, b3, c2, d20), (a5, b3, c2, d21), (a5, b3, c2, d22), (a5, b3, c3, d1), (a5, b3, c3, d2), (a5, b3, c3, d3), (a5, b3, c3 , d4), (a5, b3, c3, d5), (a5, b3, c3, d6), (a5, b3, c3, d7), (a5, b3, c3, d8), (a5, b3, c3, d9), (a5, b3, c3, d1 0), (a5, b3, c3, d11), (a5, b3, c3, d12), (a5, b3, c3, d13), (a5, b3, c3, d14), (a5, b3, c3, d15), (a5, b3, c3, d16), (a5, b3, c3, d17), (a5, b3, c3, d18), (a5, b3, c3, d19), (a5, b3, c3, d20), (a5, b3, c3, d21), (a5, b3, c3, d22), (a5, b4, c1, d1), (a5, b 4, c1, d2), (a5, b4, c1, d3),

10 20 30 40 50

(a5, b4, c1, d4), (a5, b4, c1, d5), (a5, b4, c1, d6), (a5, b4, c1, d7), (a5, b4, c1, d8), (a5, b4, c1, d9), (a5, b4, c1, d10), (a5, b4, c1, d11), (a5, b4, c1, d12), (a5, b4, c1, d13), (a5, b4, c1, d14), (a5, b4, c1, d15), (a5, b4, c1, d16), (a5, b4, c1, d17), (a5, b4, c1, d18), (a5, b4, c1, d19), (a5, b4, c1, d20), (a5, b4, c1, d21), (a5, b4, c1, d22), (a5, b4, c2, d1), (a5, b4, c2, d2), (a5, b4, c2, d3), (a5, b4, c2, d4), (a5, b4, c2, d5), (a5, b4, c2, d6), (a5, b4, c2, d7), (a5, b4, c2, d8), (a5, b4, c2, d9), (a5, b4, c2, d10), (a5, b4, c2, d11), (a5, b4, c2, d12), (a5, b4, c2, d13), (a5, b4, c2, d14), (a5, b4, c2, d15), (a5, b4, c2, d16), (a5, b4, c2, d17), (a5, b4, c2, d18), (a5, b4, c2, d19), (a5, b4, c2, d20), (a5, b4, c2, d21), (a5, b4, c2, d22), (a5, b4, c3, d1), (a5, b4, c3, d2), (a5, b4, c3, d3), (a5, b4, c3, d4), (a5, b4, c3, d5), (a5, b4, c3, d6), (a5, b4, c3, d7), (a5, b4, c3, d8), (a5, b4, c3, d9), (a5, b4, c3, d10), (a5, b4, c3, d11), (a5, b4, c3, d12), (a5, b4, c3 , d13), (a5, b4, c3, d14), (a5, b4, c3, d15), (a5, b4, c3, d16), (a5, b4, c3, d17), (a5, b4, c3, d18), (a5, b4, c3, d19), (a5, b4, c3, d20), (a5, b4, c3, d21), (a5, b4, c3, d22), (a5, b5, c1, d1), (a5, b5, c1, d2), (a5, b5, c1, d3), (a5, b5, c1, d4), (a5, b5, c1, d5), (a5, b5, c1, d6), (a5, b5, c1, d7), (a5, b5, c1, d8), (a5, b5, c1, d9), (a5, b5, c1, d10), (a5, b5, c1, d11), (a5, b5, c1, d12), (a5, b5, c1, d13), (a5, b5, c1, d14), (a5, b5, c1, d15), (a5, b5, c1, d16), (a5, b5, c1, d17), (a5, b5, c1, d18), (a5, b5, c1, d19), (a5, b5, c1, d20), (a5, b5, c1, d21), (a5, b5, c1, d22), (a5, b5, c2, d1), (a5, b5, c2, d2), (a5, b5, c2, d3), (a5, b5, c2, d4), (a5, b5, c2, d5), (a5, b5, c2, d6), (a5, b5, c2, d7), (a5, b5, c2, d8), (a5, b5, c2, d9), (a5, b5, c2, d10), (a5, b5, c2, d11), (a5, b5, c2, d12), (a5, b5, c2, d13), (a5, b5, c2, d14), (a5, b5, c2, d15), (a5, b5, c2, d16), (a5, b5, c2, d17), (a5, b5, c2, d18), (a5, b5, c2, d19), (a5, b5, c2, d20), (a5, b5, c2, d21), (a5, b5, c2, d22), (a5, b5, c3, d1), (a5, b5, c3, d2), (a5, b5, c3, d3), (a5, b5, c3, d4), (a5, b5, c3, d5), (a5, b5, c3, d6), (a5, b5, c3, d7), (a5, b5, c3, d8), (a5, b5, c3, d9), (a5, b5, c3, d10), (a5, b5, c3, d11), (a5, b5, c3, d12), (a5, b5, c3, d13), (a5, b5, c3, d14), (a5, b5, c3, d15), (a5, b5 , c3, d16), (a5, b5, c3, d17), (a5, b5, c3, d18), (a5, b5, c3, d19), (a5, b5, c3, d20), (a5, b5, c3, d21), (a5, b5, c3, d22), (a5, b6, c1, d1), (a5, b6, c1, d2), (a5, b6, c1, d3), (a5, b6, c1, d4), (a5, b6, c1, d5), (a5, b6, c1, d6), (a5, b6, c1, d7), (a5, b6, c1, d8), (a5, b6, c1, d9), (a5, b6, c1, d10), (a5, b6, c1, d11), (a5, b6, c1, d12), (a5, b6, c1, d13), (a5, b6, c1, d14), (a5, b6, c1, d15), (a5, b6, c1, d16), (a5, b6, c1, d17), (a5, b6, c1, d18), (a5, b6, c1, d19), (a5, b6, c1, d20), (a5, b6, c1, d2 1), (a5, b6, c1, d22), (a5, b6, c2, d1), (a5, b6, c2, d2), (a5, b6, c2, d3), (a5, b6, c2, d4), (a5, b6, c2, d5), (a5, b6, c2, d6), (a5, b6, c2, d7), (a5, b6, c2, d8), (a5, b6, c2, d9), (a5, b6, c2, d10), (a5, b6, c2, d11), (a5, b6, c2, d12), (a5, b6, c2, d 13), (a5, b6, c2, d14), (a5, b6, c2, d15), (a5, b6, c2, d16), (a5, b6, c2, d17), (a5, b6, c2, d18), (a5, b6, c2, d19), (a5, b6, c2, d20), (a5, b6, c2, d21), (a5, b6, c2, d22), (a5, b6, c3, d1), (a5, b6, c3, d2), (a5, b6, c3, d3), (a5, b6, c3, d4), (a5, b6, c3, d5), (a5, b6, c3, d6), (a5, b6, c3, d7), (a5, b6, c3, d8), (a5, b6, c3, d9), (a5, b6, c3, d10), (a5, b6, c3, d11), (a5, b6, c3, d12), (a5, b6, c3, d13), (a5, b6, c3, d14), (a5, b6, c3, d15), (a5, b6, c3, d16), (a5 , b6, c3, d19), (a5, b6, c3, d20), (a5, b6, c3, d21), (a5, b6, c3, d22), (a6, b1, c1, d1), (a6, b1, c1, d2), (a6, b1, c1, d3), (a6, b1, c1, d4), (a6, b1, c1, d5), (a6, b1, c1, d6), (a6, b1, c1, d7), (a6, b1, c1, d8), (a6, b1, c1, d9), (a6, b1, c1, d10), (a 6, b1, c1, d11), (a6, b1, c1, d12), (a6, b1, c1, d13), (a6, b1, c1, d14), (a6, b1, c1, d15), (a6, b1, c1, d16), (a6, b1, c1, d17), (a6, b1, c1, d18), (a6, b1, c1, d19), (a6, b1,

c1, d20), (a6, b1, c1, d21), (a6, b1, c1, d22), (a6, b1, c2, d1), (a6, b1, c2, d2), (a6, b1, c2, d3), (a6, b1, c2, d4), (a6, b1, c2, d5), (a6, b1, c2, d6), (a6, b1, c2, d7), (a6, b1, c2, d8), (a6, b1, c2, d9), (a6, b1, c2, d10), (a6, b1, c2, d11), (a6, b1, c2, d12), (a6, b1, c2, d13), (a6, b1, c2, d14), (a6, b1, c2, d15), (a6, b1, c 2, d16), (a6, b1, c2, d17), (a6, b1, c2, d18), (a6, b1, c2, d19), (a6, b1, c2, d20), (a6, b1, c2, d21), (a6, b1, c2, d22), (a6, b1, c3, d1), (a6, b1, c3, d2), (a6, b1, c3, d3), (a6, b1, c3, d4), (a6, b1, c3, d5), (a6, b1, c3, d6), (a6, b1, c3, d7), (a6, b1 , c3, d8), (a6, b1, c3, d9), (a6, b1, c3, d10), (a6, b1, c3, d11), (a6, b1, c3, d12), (a6, b1, c3, d13), (a6, b1, c3, d14), (a6, b1, c3, d15), (a6, b1, c3, d16), (a6, b1, c3, d17), (a6, b1, c3, d18), (a6, b1, c3, d19), (a6, b1, c3, d20), (a6, b1, c3, d21), (a6, b1, c3, d22), (a6, b2, c1, d1), (a6, b2, c1, d2), (a6, b2, c1, d3), (a6, b2, c1, d4), (a6, b2, c1, d5), (a6, b2, c1, d6), (a6, b2, c1, d7), (a6, b2, c1, d8), (a6, b2, c1, d9), (a6, b2, c1, d10), (a6, b2, c1, d11), (a6, b2, c1, d12), (a6, b2, c1, d13) , (a6, b2, c1, d14), (a6, b2, c1, d15), (a6, b2, c1, d16), (a6, b2, c1, d17), (a6, b2, c1, d18), (a6, b2, c1, d19), (a6, b2, c1, d20), (a6, b2, c1, d21), (a6, b2, c1, d22), (a6, b2, c2, d1), (a6, b2, c2, d2), (a6, b2, c2, d3), (a6, b2, c2, d4), (a6, b2, c2 , d5), (a6, b2, c2, d6), (a6, b2, c2, d7), (a6, b2, c2, d8), (a6, b2, c2, d9), (a6, b2, c2, d10), (a6, b2, c2, d11), (a6, b2, c2, d12), (a6, b2, c2, d13), (a6, b2, c2, d14), (a6, b2, c2, d15), (a6, b2, c2, d16), (a6, b2, c2, d17), (a6, b2, c2, d18), (a6, b 2, c2, d19), (a6, b2, c2, d20), (a6, b2, c2, d21), (a6, b2, c2, d22), (a6, b2, c3, d1), (a6, b2, c3, d2), (a6, b2, c3, d3), (a6, b2, c3, d4), (a6, b2, c3, d5), (a6, b2, c3, d6), (a6, b2, c3, d7), (a6, b2, c3, d8), (a6, b2, c3, d9), (a6, b2, c3, d10), (a6, b2, c3, d11), (a6, b2, c3, d12), (a6, b2, c3, d13), (a6, b2, c3, d14), (a6, b2, c3, d15), (a6, b2, c3, d16), (a6, b2, c3, d17), (a6, b2, c3, d18), (a6, b2, c3, d19), (a6, b2, c3, d20), (a6, b2, c3, d21), (a6, b2, c3, d22), (a6, b3, c1, d1), (a6, b3, c1, d2), (a6, b3, c1, d3), (a6, b3, c1, d4), (a6, b3, c1, d5), (a6, b3, c1, d6), (a6, b3, c1, d7), (a6, b3, c1, d8), (a6, b3, c1, d9), (a6, b3, c1, d10), (a6, b3, c1, d11), (a6, b3, c1, d12), (a6, b3, c1, d13), (a6, b3, c1, d14), (a6, b3, c1, d15), (a6, b3, c1, d16), (a6, b3, c1, d17), (a6, b3, c1, d18), (a6, b3, c1, d19), (a6, b3, c1, d20), (a6, b3, c1, d21), (a6, b3, c1, d22), (a6, b3, c2, d1), (a6, b3, c2, d2), (a6, b3, c2, d3), (a6, b3, c2, d4), (a6, b3, c2, d5), (a6, b3, c2, d6), (a6, b3, c2, d7), (a6, b3, c 2, d8), (a6, b3, c2, d9), (a6, b3, c2, d10), (a6, b3, c2, d11), (a6, b3, c2, d12), (a6, b3, c2, d13), (a6, b3, c2, d14), (a6, b3, c2, d15), (a6, b3, c2, d16), (a6, b3, c2, d17), (a6, b3, c2, d18), (a6, b3, c2, d19), (a6, b3, c2, d20), (a6, b3, c2, d21), (a 6, b3, c2, d22), (a6, b3, c3, d1), (a6, b3, c3, d2), (a6, b3, c3, d3), (a6, b3, c3, d4), (a6, b3, c3, d5), (a6, b3, c3, d6), (a6, b3, c3, d7), (a6, b3, c3, d8), (a6, b3, c3, d9), (a6, b3, c3, d10), (a6, b3, c3, d11), (a6, b3, c3, d12), (a6, b3, c3, d13), (a6, b3, c3, d14), (a6, b3, c3, d15), (a6, b3, c3, d16), (a6, b3, c3, d17), (a6, b3, c3, d18), (a6, b3, c3, d19), (a6, b3, c3, d20), (a6, b3, c3, d21), (a6, b3, c3, d22), (a6, b4, c1, d1), (a6, b4, c1, d2), (a6, b4, c1, d3), (a6, b4, c1, d4), (a6, b4, c1, d 5), (a6, b4, c1, d6), (a6, b4, c1, d7), (a6, b4, c1, d8), (a6, b4, c1, d9), (a6, b4, c1, d10), (a6, b4, c1, d11), (a6, b4, c1, d12), (a6, b4, c1, d13), (a6, b4, c1, d14), (a6, b4, c1, d15), (a6, b4, c1, d16), (a6, b4, c1, d17), (a6, b4, c1, d18), (a6, b4, c1, d19), (a6, b4, c1, d20), (a6, b4, c1, d21), (a6, b4, c1, d22), (a6, b4, c2, d1), (a6, b4, c2, d2), (a6, b4, c2, d3), (a6, b4, c2, d4), (a6, b4, c2, d5), (a6, b4, c2, d6), (a6, b4, c2, d7), (a6, b4, c2, d8), (a6, b4, c2, d9), (a6, b4, c2, d10),

(a6, b4, c2, d11), (a6, b4, c2, d12), (a6, b4, c2, d13), (a6, b4, c2, d14), (a6, b4, c2, d15), (a6, b4, c2, d16), (a6, b4, c2, d17), (a6, b4, c2, d18), (a6, b4, c2, d19), (a6, b4, c2, d20), (a6, b4, c2, d21), (a6, b4, c2, d22), (a6, b4, c3, d1), (a6, b4, c3, d2), (a6, b4, c3, d3), (a6, b4, c3, d4), (a6, b4, c3, d5), (a6, b4, c3, d6), (a6, b4, c3, d7), (a6, b4, c3, d8), (a6, b4, c3, d9), (a6, b4, c3, d10), (a6, b4, c3, d11), (a6, b4, c3, d12), (a6, b4, c3, d13), (a6, b4, c3, d14), (a6, b4, c3, d15), (a6, b4, c3, d16), (a6, b4, c3, d17), (a6, b4, c3, d18), (a6, b4, c3, d19), (a6, b4, c3, d20), (a6, b4, c3, d21), (a6, b4, c3, d22), (a6, b5, c1, d1), (a6, b5, c1, d2), (a6, b5, c1, d3), (a6, b5, c1, d4), (a6, b5, c1, d5), (a6, b5, c1, d6), (a6, b5, c1, d7), (a6, b5, c1, d8), (a6, b5, c1, d9), (a6, b5, c1, d10), (a6, b5, c1, d11), (a6, b5, c1, d12), (a6, b5, c1, d13), (a6, b5, c1, d14), (a6, b5, c1, d15), (a6, b5, c1, d16), (a6, b5, c1, d17), (a6, b5, c1, d18), (a6, b5, c1, d19), (a6, b5, c1, d20), (a6, b5, c1, d21), (a6, b5, c1, d22), (a6, b5, c2, d1), (a6, b5, c2, d2), (a6, b5, c2, d3), (a6, b5, c2, d4), (a6, b5, c2, d5), (a6, b5, c2, d6), (a6, b5, c2, d7), (a6, b5, c2, d8), (a6, b5, c2, d9), (a6, b5, c2, d10), (a6, b5, c2, d11), (a6, b5, c2, d12), (a6, b5, c2, d13), (a6, b5, c2, d14), (a6, b5, c2, d15), (a6, b5, c2, d16), (a6, b5, c2, d17), (a6, b5, c2, d18), (a6, b5, c2, d19), (a6, b5, c2, d20), (a6, b5, c2, d21), (a6, b5, c2, d22), (a6, b5, c3, d1), (a6, b5, c3, d2), (a6, b5, c3, d3), (a6, b5, c3, d4), (a6, b5, c3, d5), (a6, b5, c3, d6), (a6, b5, c3, d7), (a6, b5, c3, d8), (a6, b5, c3, d9), (a6, b5, c3, d10), (a6, b5, c3, d11), (a6, b5, c3, d12), (a6, b5, c3, d13), (a6, b5, c3, d14), (a6, b5, c3, d15), (a6, b5, c3, d16), (a6, b5, c3, d17), (a6, b5, c3, d18), (a6, b5, c3, d19), (a6, b5, c3, d20), (a6, b5, c3, d21), (a6, b5, c3, d22), (a6, b6, c1, d1), (a6, b6, c1, d2), (a6, b6, c1, d3), (a6, b6, c1, d4), (a6, b6, c1, d5), (a6, b6, c1, d6), (a6, b6, c1, d7), (a6, b6, c1, d8), (a6, b6, c1, d9), (a6, b6, c1, d10), (a6, b6, c1 , d11), (a6, b6, c1, d12), (a6, b6, c1, d13), (a6, b6, c1, d14), (a6, b6, c1, d15), (a6, b6, c1, d16), (a6, b6, c1, d17), (a6, b6, c1, d18), (a6, b6, c1, d19), (a6, b6, c1, d20), (a6, b6, c1, d21), (a6, b6, c1, d22), (a6, b6, c2, d1), (a6, b6, c2, d2), (a6, b6, c2, d3), (a6, b6, c2, d4), (a6, b6, c2, d5), (a6, b6, c2, d6), (a6, b6, c2, d7), (a6, b6, c2, d8), (a6, b6, c2, d9), (a6, b6, c2, d10), (a6, b6, c2, d11), (a6, b6, c2, d12), (a6, b6, c2, d13), (a6, b6, c2, d14), (a6, b6, c2, d15), (a6, b6, c2, d16), (a6, b6, c2, d17), (a6, b6, c2, d18), (a6, b6, c2, d19), (a6, b6, c2, d20), (a6, b6, c2, d21), (a6, b6, c2, d22), (a6, b6, c3, d1), (a6, b6, c3, d2), (a6, b6, c3, d3), (a6, b6, c3, d4), (a6, b6, c3, d5), (a6, b6, c3, d6), (a6, b6, c3, d7), (a6, b6, c3, d8) , (a6, b6, c3, d9), (a6, b6, c3, d10), (a6, b6, c3, d11), (a6, b6, c3, d12), (a6, b6, c3, d13), (a6, b6, c3, d14), (a6, b6, c3, d15), (a6, b6, c3, d16), (a6, b6, c3, d17), (a6, b6, c3, d18), (a6, b6, c3, d19), (a6, b6, c3, d20), (a6, b6, c3, d21), (a6, b6, c3, d22), (a7, b1, c1, d1), (a7, b1, c1, d2), (a7, b1, c1, d3), (a7, b1, c1, d4), (a7, b1, c1, d5), (a7, b1, c1, d6), (a7, b1, c1, d7), (a7, b1, c1, d8), (a7, b1, c1, d9), (a7, b1, c1, d10), (a7, b1, c1, d11), (a7, b1, c1, d12), (a7, b1, c1, d13), (a7, b1 , c1, d14), (a7, b1, c1, d15), (a7, b1, c1, d16), (a7, b1, c1, d17), (a7, b1, c1, d18), (a7, b1, c1, d19), (a7, b1, c1, d20), (a7, b1, c1, d21), (a7, b1, c1, d22), (a7, b1, c2, d1), (a7, b1, c2, d2), (a7, b1, c2, d3), (a7, b1, c2, d4), (a7, b1, c2, d5), (a 7, b1, c2, d6), (a7, b1, c2, d7), (a7, b1, c2, d8), (a7, b1, c2, d9), (a7, b1, c2, d10), (a7, b1, c2, d11), (a7, b1, c2, d12), (a7, b1, c2, d13), (a7, b1, c2, d14), (a7, b1, c2, d15), (a7, b1, c2, d16), (a7, b1, c2, d17), (a7, b1, c2, d18), (a7, b1, c2, d1 9), (a7, b1, c2, d20), (a7, b1, c2, d21), (a7, b1, c2, d22), (a7, b1, c3, d1), (a7, b1, c3, d2), (a7, b1, c3, d3), (a7, b1, c3, d4), (a7, b

1, c3, d5), (a7, b1, c3, d6), (a7, b1, c3, d7), (a7, b1, c3, d8), (a7, b1, c3, d 9), (a7, b1, c3, d10), (a7, b1, c3, d 11), (a7, b1, c3, d12), (a7, b1, c3, d13), (a7, b1, c3, d14), (a7, b1, c3, d15), (a7, b1, c3, d16), (a7, b1, c3, d17), (a7 , b1, c3, d18), (a7, b1, c3, d19), (a7, b1, c3, d20), (a7, b1, c3, d21), (a7, b1 , c3, d22), (a7, b2, c1, d1), (a7, b2, c1, d2), (a7, b 2, c1, d3), (a7, b2, c1, d4), (a7, b2, c1, d5), (a7, b2, c1, d6), (a7, b2, c1, d7), (a7, b2, c1, d8), (a7 , b2, c1, d9), (a7, b2, c1, d10), (a7, b2, c1, d11), (a7, b2, c1, d12), (a7, b2, c1, d13), (a7, b2, c1, d14), (a7, b2, c1, d15), (a7, b2, c1, d16), (a7 , b2, c1 , d17), (a7, b2, c1, d18), (a7, b2, c1, d19), (a7, b2, c1, d20), (a7, b2, c1, d2 1), (a7, b2, c1, d22), (a7, b2, c2, d1), (a7, b2, c2, d2), (a7, b2, c2, d3), (a7 , b2, c2, d4), (a7, b2, c2, d5), (a7, b2, c2, d6), (a7, b2, c2, d7), (a7, b2, c2 , d8), (a7, b2, c2, d9), (a7, b2, c2, d10), (a7, b2, c2, d11), (a7, b2, c2, d12), (a7, b2, c2, d13), (a7, b2, c2, d14), (a7, b2, c2, d15), (a7, b2, c2, d16), (a7, b2, c2, d17), (a7, b2, c2, d18), (a7, b2, c2, d19), (a7, b2, c2, d20), (a7, b2, c2, d21), (a7, b2, c2 , d22), (a7, b2, c3, d1), (a7, b2, c3, d2), (a7, b2, c 3, d3), (a7, b2, c3, d4), (a7, b2, c3, d5), (a7, b2, c3, d6), (a7, b2, c3, d7), (a7, b2, c3, d8), (a7, b2, c3, d9), (a7, b2, c3, d10), (a7, b2, c3, d11), (a7, b 2, c3, d12), (a7, b2, c3, d13), (a7, b2, c 3, d14), (a7, b2, c3, d15), (a7, b2, c3, d16), (a7, b2, c3, d17), (a7, b2, c3, d18), (a7, b2, c3, d19), (a7, b2, c3, d20), (a7, b2, c3, d21), (a7, b2, c3, d22), (a7, b3, c1, d1), (a7, b3, c1, d2), (a7, b3, c1, d3), (a7, b3, c1, d4), (a7, b3, c1, d5), (a7, b3, c1, d6), (a7, b3, c1, d7), (a7, b3, c1, d8), (a7, b3, c1, d9), (a7, b3, c1, d10), (a7, b3, c1, d1 1), (a7, b3, c1, d12), (a7, b3, c1, d13), (a7, b3, c1, d14), (a7, b3, c1, d15), (a7, b3, c1, d16), (a7, b3, c1, d17), (a7, b3, c1, d18), (a7, b3, c1, d19), (a7 , b3, c1, d20), (a7, b3, c1, d21), (a7, b3, c1, d22), (a7, b3, c2, d1), (a7, b3, c2, d2), (a7, b3, c2, d3), (a7, b3, c2, d4), (a7, b3, c2, d5), (a7, b3, c2, d6) , (a7, b3, c2, d7), (a7, b3, c2, d8), (a7, b3, c2, d9), (a7, b3, c2, d10), (a7, b3, c2, d11) , (a7, b3, c2, d12), (a7, b3, c2, d13), (a7, b3, c2, d14), (a7, b3, c2, d15), (a7, b3, c2, d16), (a7, b3, c2, d17), (a7, b3, c2, d18), (a7, b3, c2, d19), (a7, b3, c2, d20), (a7, b3, c2, d21), (a7, b3, c2, d22), (a7, b3, c3, d1) , (a7, b3, c3, d2), (a7, b3, c3, d3), (a7, b3, c3, d4), (a7, b3, c3, d5), (a7, b 3, c3, d6), (a7, b3, c3, d7), (a7, b3, c3, d8), (a7, b3, c3, d9), (a7, b3, c3, d 10), (a7, b3, c3, d11), (a7, b3, c3, d12), (a7, b3, c3, d13), (a7, b3, c3, d14), (a7, b3, c3, d15), (a7, b3, c3, d16), (a7, b 3, c3, d17), (a7, b3, c3, d18), (a 7, b3, c3, d19), (a7, b3, c3, d20), (a7, b3, c3, d21), (a7, b3, c3, d22), (a7, b 4, c1, d1), (a7, b4, c1, d2), (a7, b4, c1, d3), (a7, b4, c1, d4), (a7, b4, c1, d 5), (a7, b4, c1, d6), (a7, b4, c1, d7), (a7, b4, c1, d8), (a7, b4, c1, d9), (a7 , b4, c1, d10), (a7, b4, c1, d11), (a7, b4, c1, d12), (a7, b4, c1, d13), (a7, b4 , c1, d14), (a7, b4, c1, d15), (a7, b4, c1, d16), (a7, b4, c1, d17), (a7, b4, c1 , d18), (a7, b4, c1, d19), (a7, b4, c1, d20), (a7, b4, c1, d21), (a7, b4, c1, d 22), (a7, b4, c2, d1), (a7, b4, c2, d2), (a7, b4, c2, d3), (a7, b4, c2, d4), (a7 , b4, c2, d5), (a7, b4, c2, d6), (a7, b4, c2, d7), (a7, b4, c2, d8), (a7, b4, c2 , d9), (a7, b4, c2, d10), (a7, b4, c2, d11), (a7, b4, c2, d12), (a7, b4, c2, d13), (a7, b4, c2, d14), (a7, b4, c2, d15), (a7, b4, c2, d16), (a7, b4, c2, d17), (a7, b4, c2, d18), (a7, b4, c2, d19), (a7, b4, c2, d20), (a7, b4, c2, d21), (a7, b4, c2, d22), (a7, b4, c3, d1), (a7, b4, c3, d2), (a7, b4, c3, d3), (a7, b4, c3, d4), (a7, b4, c3, d5), (a7, b4, c3, d6), (a7, b4, c3, d7), (a7, b4, c3, d8), (a7, b4, c3, d9), (a7, b4, c3, d10), (a7, b4, c3, d11), (a7, b4, c3, d12), (a7, b 4, c3, d13), (a7, b4, c3, d14), (a7, b4, c3, d15), (a7, b4, c3, d16), (a7, b4, c 3, d17), (a7, b4, c3, d18), (a7, b4, c3, d19), (a 7, b4, c3, d20), (a7, b4, c3,

d21), (a7, b4, c3, d22), (a7, b5, c1, d1), (a7, b5, c1, d2), (a7, b5, c1, d3), (a7, b5, c1, d4), (a7, b5, c1, d5), (a7, b5, c1, d6), (a7, b5, c1, d7), (a7, b5, c1, d8), (a7, b5, c1, d9), (a7, b5, c1, d10), (a7, b5, c1, d11), (a7, b5, c1, d 12), (a7, b5, c1, d13), (a7, b5, c1, d14), (a7, b5, c1, d15), (a7, b5, c1, d16), (a7, b5, c1, d17), (a7, b5, c1, d18), (a7, b5, c1, d19), (a7, b5, c1, d20), (a7 , b5, c1, d21), (a7, b5, c1, d22), (a7, b5, c2, d1), (a7, b5, c2, d2), (a7, b5, c2, d3), (a7, b5, c2, d4), (a7, b5, c2, d5), (a7, b5, c2, d6), (a7, b5, c2, d7) , (a7, b5, c2, d8), (a7, b5, c2, d9), (a7, b5, c2, d10), (a7, b5, c2, d11), (a7, b5, c2, d12), (a7, b5, c2, d13), (a7, b5, c2, d14), (a7, b5, c2, d15), (a7, b5, c2, d16), (a7, b5, c2, d17), (a7, b5, c2, d18), (a7, b5, c2, d19), (a7, b5, c2, d20), (a7, b5, c2, d21), (a7, b5, c2, d22), (a7, b5, c3, d1), (a7, b5, c3, d2), (a7, b5, c3, d3), (a7, b5, c3, d4), (a7, b5, c3, d5), (a7, b5, c3, d6), (a7, b5 , c3, d7), (a7, b5, c3, d8), (a7, b5 , c3, d9), (a7, b5, c3, d10), (a7, b5, c3, d11), (a7, b5, c3, d12), (a7, b5, c3, d13), (a7, b5, c3, d14), (a7, b5, c3, d15) , (a7, b5, c3, d16), (a7, b5, c3, d17), (a7, b5, c3, d18), (a7, b5, c3, d19), (a 7, b5, c3, d20), (a7, b5, c3, d21), (a7, b5, c3, d22) , (a7, b6, c1, d1), (a7, b 6, c1, d2), (a7, b6, c1, d3), (a7, b6, c1, d4), (a7, b6, c1, d5), (a7, b6, c1, d 6), (a7, b6, c1, d7), (a7, b6, c1, d8), (a7, b6, c1, d9), (a7, b6, c1, d10), (a7 , b6, c1, d11), (a7, b6, c1, d12), (a7, b6, c1, d13), (a7, b6, c1, d14), (a7, b 6, c1, d15), (a7, b6, c1, d16), (a7, b6, c1, d17), (a7, b6, c1, d18), (a7, b6, c 1, d19), (a7, b6, c1, d20), (a7, b6, c1, d21), (a7, b6, c1, d22), (a7, b6, c2, d 1), (a7, b6, c2, d2), (a7, b6, c2, d3), (a7, b6, c2, d4), (a7, b6, c2, d5), (a7, b6, c2 , d6), (a7, b6, c2, d7), (a7, b6, c2, d8), (a7, b6, c2, d9), (a7, b6, c2 , d10), (a7, b6, c2, d11), (a7, b6, c2, d12), (a7, b6, c2, d13), (a7, b6, c2, d1 4), (a7, b6, c2, d15), (a7, b6, c2, d16), (a7, b6, c2, d17), (a7, b6, c2, d18), (a7, b6, c2, d19), (a7, b6, c2, d20), (a7, b6, c2, d21), (a7, b6, c2, d22), (a7, b6, c3, d1), (a7, b6, c3, d2), (a7, b6, c3, d3), (a7, b6, c3, d4), (a7, b6, c3, d5), (a7, b6, c3, d6), (a7, b6, c3, d7), (a7, b6, c3, d8), (a7, b6, c3, d9), (a7 , b6, c3, d10), (a7, b6, c3, d11), (a7, b6, c3, d12), (a7, b6, c3, d13), (a7, b 6, c3, d14), (a7, b6, c3, d15), (a7, b6, c3, d16), (a7, b6, c3, d17), (a7, b6, c 3, d18), (a7, b6, c3, d19), (a7, b6, c3, d20), (a7, b6, c3, d21), (a7, b6, c3, d 22), (a8, b1, c1, d1), (a8, b1, c1, d2), (a8, b1, c1, d3), (a8, b1, c1, d4), (a 8, b1, c1, d5), (a8, b1, c1, d6), (a8, b1, c1, d7), (a8, b1, c1, d8), (a8, b1, c 1, d9), (a8, b1, c1, d10), (a8, b1, c1, d11), (a8, b1, c1, d12), (a8, b1, c1, d1 3), (a8, b1, c1, d14), (a8, b1, c1, d15), (a8, b1, c1, d16), (a8, b1, c1, d17), (a8, b1, c1, d18), (a8, b1, c1, d19), (a8, b1, c1, d20), (a8, b1, c1, d21), (a8 , b1, c1, d22), (a8, b1, c2, d1), (a8, b1, c2, d2), (a8, b1, c2, d3), (a8, b1, c 2, d4), (a8, b1, c2, d5), (a8, b1, c2, d6), (a8, b1, c2, d7), (a8, b1, c2, d8), (a8, b1, c 2, d9), (a8, b1, c2, d10), (a8, b1, c2, d11), (a8, b1, c2, d12), (a8, b1, c2, d13), (a8, b1, c2, d14), (a8, b1, c2, d15), (a8, b1, c2, d16), (a8, b1, c2, d17), (a8, b1, c2, d18), (a8, b1, c2, d19), (a8, b1, c2, d20), (a8, b1, c2, d21), (a8, b1, c2, d22), (a8, b1, c3, d1), (a8, b1, c3, d2), (a8, b1, c3, d3), (a8, b1, c3, d4), (a8, b1, c3, d5), (a8, b1, c3, d6), (a8, b1, c3, d7), (a8, b1 , c3, d8), (a8, b1, c3, d9), (a8, b1, c3, d10), (a8, b1, c3, d11), (a8, b1, c3, d12), (a8, b1, c3, d13), (a8, b1, c3, d14), (a8, b1, c3, d15), (a8, b1, c3, d16) , (a8, b1, c3, d17), (a8, b1, c3, d18), (a8, b1, c3, d19), (a8, b1, c3, d20), (a 8, b1, c3, d21), (a8, b1, c3, d22), (a8, b2, c1, d1), (a8, b2, c1, d2), (a8, b2, c1, d3), (a8, b2, c1, d4), (a8, b2, c1, d5), (a8, b2, c1, d 6), (a8, b2, c1, d7), (a8, b2, c1, d8), (a8, b2, c1, d9), (a8, b2, c1, d10), (a8, b2, c1, d11), (a8

, b2, c1, d12), (a8, b2, c1, d13), (a8, b2, c1, d14), (a8, b2, c1, d15), (a8, b2 , c1, d16), (a8, b2, c1, d17), (a8, b2, c1, d18), (a8, b2, c1, d19), (a8, b2, c 1, d20), (a8, b2, c1, d21), (a8, b2, c1, d22), (a8, b2, c2, d1), (a8, b2, c2, d2), (a8, b2, c2, d3), (a8, b2, c2, d4), (a8, b2, c2, d5), (a8, b2, c2, d6), (a8, b2, c2, d7), (a8, b2, c2, d8), (a8, b2, c2, d9), (a8, b2, c2, d10), (a8, b2, c2, d11), (a8, b2 , c2, d12), (a8, b2, c2, d13), (a8, b2, c2, d14), (a8, b2, c2, d1 5), (a8, b2, c2, d16), (a8, b2, c2, d17), (a8, b2, c2, d18), (a8, b2, c2, d19), (a8, b2, c2, d20), (a8, b2, c2, d21), (a8, b2, c2, d22), (a8, b2, c3, d1), (a8, b2, c3, d2), (a8, b2, c3, d3), (a8, b2, c3, d4), (a8, b2, c3, d5), (a8, b2, c3, d6), (a8, b2, c3, d7), (a8, b2, c3, d8), (a8, b2, c3, d9), (a8, b2, c3, d10), (a 8, b2, c3, d11), (a8, b2, c3, d12), (a8, b2, c3, d13), (a8, b2, c3, d14), (a8, b 2, c3, d15), (a8, b2, c3, d16), (a8, b2, c3, d1 7), (a8, b2, c3, d18), (a8, b2, c3, d19), (a8, b2, c3, d20), (a8, b2, c3, d21), (a8, b2, c3, d22), (a8, b3, c1, d1), (a8, b3, c1, d2), (a8, b3, c1, d3), (a8, b3, c1, d4), (a8, b3, c1, d5), (a8 , b3, c1, d6), (a8, b3, c1, d7), (a8, b3, c1, d8), (a8, b3, c1, d9), (a8, b3, c1 , d10), (a8, b3, c1, d11), (a8, b3, c1, d12), (a8, b3, c1, d13), (a8, b3, c1, d1 4), (a8, b3, c1, d15), (a8, b3, c1, d16), (a8, b3, c1, d17), (a8, b3, c1, d18), (a8, b3, c1, d19), (a8, b3, c1, d20), (a8, b3, c1, d21), (a8, b3, c1, d22), (a8, b3, c2, d1), (a8, b3, c2, d2), (a8, b3, c2, d3), (a8, b3, c2, d4), (a8, b3, c2 , d5), (a8, b3, c2, d6), (a8, b3, c2, d7), (a8, b3, c2, d8), (a8, b3, c2, d9), (a8, b3, c2, d10), (a8, b3, c2, d11), (a8, b3, c2, d12), (a8, b3, c2, d13), (a8, b3, c2, d14), (a8 , b3, c2, d15), (a8, b3, c2, d16), (a8, b3, c2, d17), (a8, b3, c2, d18), (a8, b3, c2, d19), (a8, b3, c2, d20), (a8, b3, c2, d21), (a8, b3, c2, d22), (a8, b3, c3, d1), (a8, b3, c3, d2), (a8, b3, c3, d3), (a8, b3, c3, d4), (a8, b3, c3, d5), (a8, b3, c3, d6), (a8, b3, c3, d7), (a8, b3, c3, d8), (a8, b3, c3, d9), (a8, b3, c3, d10), (a8, b3, c3, d11), (a8, b3, c3, d12), (a8, b3, c3, d13), (a8, b3, c3, d14), (a8, b3, c3, d15), (a8, b3, c3, d16), (a8, b3, c3, d17) , (a8, b3, c3, d18), (a8, b3, c3, d19), (a8, b3, c3 , d20), (a8, b3, c3, d21), (a8, b3, c3, d22), (a8, b4, c1, d1), (a8, b4, c1, d2), (a8, b4, c1, d3), (a8, b4, c1, d4), (a8, b4, c1, d5), (a8, b4, c1, d6), (a8, b4, c1, d7), (a8, b4, c1, d8) , (a8, b4, c1, d9), (a8, b4, c1, d10), (a8, b4, c1, d11), (a8, b4, c 1, d12), (a 8, b4, c1, d13), (a8, b4, c1, d14), (a8, b4, c1, d15), (a8, b4, c1, d16), (a8, b 4, c1, d17), (a8, b4, c1, d18), (a8, b4, c1, d19), (a8, b4, c1, d20), (a8, b4, c 1, d21), (a8, b4, c1, d22), (a8, b4, c2, d1), (a8, b4, c2, d2), (a8, b4, c2, d3) , (a8 , b4, c2, d4), (a8, b4, c2, d5), (a8, b4, c2, d6), (a8, b4, c2, d7), (a8, b4, c2, d8), (a8, b4, c2, d9), (a8, b4, c2, d10), (a8, b4, c2, d11), (a8, b4, c2 , d12), (a8, b4, c2, d13), (a8, b4, c2, d14), (a8, b4, c2, d15), (a8, b4, c2, d1 6), (a8, b4, c2, d17), (a8, b4, c2, d18), (a8, b4, c2, d19), (a8, b4, c2, d20), (a8, b4, c2, d21), (a8, b4, c2, d22), (a8, b4, c3, d1), (a8, b4, c3, d2), (a8, b4, c3, d3), (a8, b4, c3, d4), (a8, b4, c3, d5), (a8, b4, c3, d6), (a8, b4, c3, d7), (a8, b4, c3, d8), (a8, b4, c3, d9) , (a8, b4, c3, d10), (a8, b4, c3, d11), (a8, b4, c3, d12), (a8, b4, c3, d13), (a8, b4, c3, d14), (a8, b4, c3, d15), (a8, b4, c3, d16), (a8, b4, c3, d17), (a8, b4, c3, d18), (a8, b4, c3, d19), (a8, b4, c3, d20), (a8, b4, c3, d21), (a8, b4, c3, d22), (a8, b5 , c1, d1), (a8, b5, c1, d2), (a8, b5, c1, d3), (a8, b5, c1, d4), (a8, b5, c1, d5), (a8, b5, c1, d6), (a 8, b5, c1, d7), (a8, b5, c1, d8), (a8, b5, c1, d9), (a8, b5, c1, d10), (a8, b5, c1, d11), (a8, b5, c1, d12), (a8, b5, c1, d13), (a8, b5, c1, d14), (a8, b 5, c1, d15), (a8, b5, c1, d16), (a8, b5, c1, d17), (a8, b5, c1, d18), (a8, b5, c1, d19), (a8, b5, c1, d20), (a8, b5, c1, d21), (a8, b5, c1, d22), (a8, b5, c2, d1), (a 8, b5, c2, d2), (a8, b5, c2, d3), (a8, b5, c2, d4), (a8, b5, c2, d5), (a8, b5, c

2, d6), (a 8, b5, c2, d7), (a8, b5, c2, d8), (a8, b5, c2, d9), (a8, b5, c2, d10)
, (a8, b5, c2, d11), (a8, b5, c2, d12), (a8, b5, c2, d13), (a8, b5, c2, d14), (a
8, b5, c2, d15), (a8, b5, c2, d16), (a8, b5, c2, d17), (a8, b5, c2, d18), (a8, b
5, c2, d19), (a8, b5, c2, d 20), (a8, b5, c2, d21), (a8, b5, c2, d22), (a8, b5,
c3, d1), (a8, b5, c3, d2), (a8, b5, c3, d3), (a8, b5, c3, d4), (a8, b5, c3, d5),
(a8, b5, c3, d6), (a8, b5, c3, d7), (a8, b5, c3, d8), (a8, b5, c3, d9), (a8, b5
, c3, d10), (a8, b5, c3, d11), (a8, b5, c3, d12), (a8, b5, c3, d13), (a8, b5, c3
, d14), (a8, b5, c3, d15), (a8, b5, c3, d16), (a8, b5, c3, d17), (a8, b5, c3, d1
8), (a8, b5, c3, d19), (a8, b5, c3, d20), (a8, b5, c3, d21), (a8, b5, c3, d22),
(a8, b6, c1, d1), (a8, b6, c1, d2), (a8, b6, c1, d3), (a8, b 6, c1, d4), (a8, b6
, c1, d5), (a8, b6, c1, d6), (a8, b6, c1, d7), (a8, b6, c1, d8), (a8, b6, c1, d9
), (a8, b6, c1, d10), (a8, b6, c1, d11), (a8, b6, c1, d12), (a8, b6, c1, d13), (
a8, b6, c1, d14), (a8, b6, c1, d15), (a8, b6, c1, d16), (a8, b6, c1, d17), (a 8,
b6, c1, d18), (a8, b6, c1, d19), (a8, b6, c1, d20), (a8, b6, c1, d21), (a8, b6,
c1, d22), (a8, b6, c2, d1), (a8, b6, c2, d2), (a8, b6, c2, d3), (a8, b6, c2, d4
), (a8, b6, c2, d5), (a8, b6, c2, d6), (a8, b6, c2, d7), (a8, b6, c2, d8), (a8,
b6, c2, d9), (a8, b6, c2, d10), (a8, b6, c2, d11), (a8, b6, c2, d12), (a8, b6,
c2, d13), (a8, b6, c2, d14), (a8, b6, c2, d15), (a8, b6, c2, d16), (a8, b6, c2,
d17), (a8, b6, c2, d18), (a8, b6, c2, d19), (a8, b6, c2, d20), (a8, b6, c2, d21)
, (a8, b6, c2, d22), (a8, b6, c 3, d1), (a8, b6, c3, d2), (a8, b6, c3, d3), (a8,
b6, c3, d4), (a8, b6, c3, d5), (a8, b6, c3, d6), (a8, b6, c3, d7), (a8, b6, c3,
d8), (a8, b6, c3, d9), (a8, b6, c3, d10), (a8, b6, c3, d11), (a8, b6, c3, d12),
(a8, b6, c3, d13), (a8, b6, c3, d14), (a8, b6, c3, d15), (a8, b6, c3, d16), (a8
, b6, c3, d17), (a8, b6, c3, d18), (a8, b6, c3, d19), (a8, b6, c3, d20), (a8, b6
, c3, d21), (a8, b6, c3, d22), (a9, b1, c1, d1), (a9, b1, c1, d2), (a9, b1, c1,
d3), (a9, b1, c1, d4), (a9, b1, c1, d5), (a9, b1, c1, d6), (a9, b1, c1, d7), (a9
, b1, c1, d8), (a9, b1, c1, d9), (a9, b1, c1, d10), (a9, b1, c1, d11), (a9, b1,
c1, d12), (a9, b1, c1, d13), (a9, b1, c1, d14), (a9, b1, c1, d15), (a9, b1, c1,
d16), (a9, b1, c1, d17), (a9, b1, c1, d18), (a9, b1, c1, d19), (a9, b1, c1, d20)
, (a9, b1, c1, d21), (a9, b1, c1, d22), (a9, b1, c2, d1), (a9, b1, c2, d2), (a9
, b1, c2, d3), (a9, b1, c2, d4), (a9, b1, c2, d5), (a9, b1, c2, d6), (a9, b1, c2
, d7), (a9, b1, c2, d8), (a9, b1, c2, d9), (a9, b1, c2, d10), (a9, b1, c2, d11),
(a9, b1, c2, d12), (a9, b1, c2, d13), (a9, b1, c2, d14), (a9, b1, c2, d15), (a
9, b1, c2, d16), (a9, b1, c2, d17), (a9, b1, c2, d18), (a9, b1, c2, d19), (a9, b
1, c2, d20), (a9, b1, c2, d21), (a9, b1, c2, d22), (a9, b1, c3, d1), (a9, b1, c3
, d2), (a9, b1, c3, d3), (a9, b1, c3, d4), (a9, b1, c3, d5), (a9, b1, c3, d6), (
a9, b1, c3, d7), (a9, b1, c3, d8), (a9, b1, c3, d9), (a9, b1, c3, d10), (a9, b1,
c3, d11), (a9, b1, c3, d12), (a9, b1, c3, d13), (a9, b1, c3, d14), (a9, b1, c3,
d15), (a9, b1, c3, d16), (a9, b1, c3, d17), (a9, b1, c3, d18), (a9, b1, c3, d19
), (a9, b1, c3, d20), (a9, b1, c3, d21), (a9, b1, c3, d22), (a9, b2, c1, d1), (a
9, b2, c1, d2), (a9, b2, c1, d3), (a9, b2, c1, d4), (a9, b2, c1, d5), (a9, b2, c
1, d6), (a9, b2, c1, d7), (a9, b2, c1, d8), (a9, b2, c1, d9), (a9, b2, c1, d10)
, (a9, b2, c1, d11), (a9, b2, c1, d12), (a9, b2, c1, d13), (a9, b2, c1, d14), (a
9, b2, c1, d15), (a9, b2, c1, d16), (a9, b2, c1, d17), (a9, b2, c1, d18), (a9, b
2, c1, d19), (a9, b2, c1, d20), (a9, b2, c1, d21), (a9, b2, c1, d22), (a9, b2, c
2, d1), (a9, b2, c2, d2), (a9, b2, c2, d3), (a9, b2, c2, d4), (a9, b2, c2, d5),
(a9, b2, c2, d6), (a9, b2, c2, d7), (a9, b2, c2, d8), (a9, b2, c2, d9), (a9, b2,
c2, d10), (a9, b2, c2, d11), (a9, b2, c2, d12), (a9, b2, c2, d13), (a9, b2, c2,
d14), (a9, b2, c2, d15), (a9, b2, c2, d16), (a9, b2, c2, d17), (a9, b2, c2, d1
8), (a9, b2, c2, d19), (a9, b2, c2, d20), (a9, b2, c2, d21), (a9, b2, c2, d22),

(a9, b2, c3, d1), (a9, b2, c3, d2), (a9, b2, c3, d3), (a9, b2, c3, d4), (a9, b2, c3, d5), (a9, b2, c3, d6), (a9, b2, c3, d7), (a9, b2, c3, d8), (a9, b2, c3, d9), (a9, b2, c3, d10), (a9, b2, c3, d11), (a9, b2, c3, d12), (a9, b2, c3, d13), (a9, b2, c3, d14), (a9, b2, c3, d15), (a9, b2, c3, d16), (a9, b2, c3, d17), (a9, b2, c3, d18), (a9, b2, c3, d19), (a9, b2, c3, d20), (a9, b2, c3, d21), (a9, b2, c3, d22), (a9, b3, c1, d1), (a9, b3, c1, d2), (a9, b3, c1, d3), (a9, b3, c1, d4), (a9, b3, c1, d5), (a9, b3, c1, d6), (a9, b3, c1, d7), (a9, b3, c1, d8), (a9, b3, c1, d9), (a9, b3, c1, d10), (a9, b3, c1, d11), (a9, b3, c1, d12), (a9, b3, c1, d13), (a9, b3, c1, d14), (a9, b3, c1, d15), (a9, b3, c1, d16), (a9, b3, c1, d17), (a9, b3, c1, d18), (a9, b3, c1, d19), (a9, b3, c1, d20), (a9, b3, c1, d21), (a9, b3, c1, d22), (a9, b3, c2, d1), (a9, b3, c2, d2), (a9, b3, c2, d3), (a9, b3, c2, d4), (a9, b3, c2, d5), (a9, b3, c2, d6), (a9, b3, c2, d7), (a9, b3, c2, d8), (a9, b3, c2, d9), (a9, b3, c2, d10), (a9, b3, c2, d11), (a9, b3, c2, d12), (a9, b3, c2, d13), (a9, b3, c2, d14), (a9, b3, c2, d15), (a9, b3, c2, d16), (a9, b3, c2, d17), (a9, b3, c2, d18), (a9, b3, c2, d19), (a9, b3, c2, d20), (a9, b3, c2, d21), (a9, b3, c2, d22), (a9, b3, c3, d1), (a9, b3, c3, d2), (a9, b3, c3, d3), (a9, b3, c3, d4), (a9, b3, c3, d5), (a9, b3, c3, d6), (a9, b3, c3, d7), (a9, b3, c3, d8), (a9, b3, c3, d9), (a9, b3, c3, d10), (a9, b3, c3, d11), (a9, b3, c3, d12), (a9, b3, c3, d13), (a9, b3, c3, d14), (a9, b3, c3, d15), (a9, b3, c3, d16), (a9, b3, c3, d17), (a9, b3, c3, d18), (a9, b3, c3, d19), (a9, b3, c3, d20), (a9, b3, c3, d21), (a9, b3, c3, d22), (a9, b4, c1, d1), (a9, b4, c1, d2), (a9, b4, c1, d3), (a9, b4, c1, d4), (a9, b4, c1, d5), (a9, b4, c1, d6), (a9, b4, c1, d7), (a9, b4, c1, d8), (a9, b4, c1, d9), (a9, b4, c1, d10), (a9, b4, c1, d11), (a9, b4, c1, d12), (a9, b4, c1, d13), (a9, b4, c1, d14), (a9, b4, c1, d15), (a9, b4, c1, d16), (a9, b4, c1, d17), (a9, b4, c1, d18), (a9, b4, c1, d19), (a9, b4, c1, d20), (a9, b4, c1, d21), (a9, b4, c1, d22), (a9, b4, c2, d1), (a9, b4, c2, d2), (a9, b4, c2, d3), (a9, b4, c2, d4), (a9, b4, c2, d5), (a9, b4, c2, d6), (a9, b4, c2, d7), (a9, b4, c2, d8), (a9, b4, c2, d9), (a9, b4, c2, d10), (a9, b4, c2, d11), (a9, b4, c2, d12), (a9, b4, c2, d13), (a9, b4, c2, d14), (a9, b4, c2, d15), (a9, b4, c2, d16), (a9, b4, c2, d17), (a9, b4, c2, d18), (a9, b4, c2, d19), (a9, b4, c2, d20), (a9, b4, c2, d21), (a9, b4, c2, d22), (a9, b4, c3, d1), (a9, b4, c3, d2), (a9, b4, c3, d3), (a9, b4, c3, d4), (a9, b4, c3, d5), (a9, b4, c3, d6), (a9, b4, c3, d7), (a9, b4, c3, d8), (a9, b4, c3, d9), (a9, b4, c3, d10), (a9, b4, c3, d11), (a9, b4, c3, d12), (a9, b4, c3, d13), (a9, b4, c3, d14), (a9, b4, c3, d15), (a9, b4, c3, d16), (a9, b4, c3, d17), (a9, b4, c3, d18), (a9, b4, c3, d19), (a9, b4, c3, d20), (a9, b4, c3, d21), (a9, b4, c3, d22), (a9, b5, c1, d1), (a9, b5, c1, d2), (a9, b5, c1, d3), (a9, b5, c1, d4), (a9, b5, c1, d5), (a9, b5, c1, d6), (a9, b5, c1, d7), (a9, b5, c1, d8), (a9, b5, c1, d9), (a9, b5, c1, d10), (a9, b5, c1, d11), (a9, b5, c1, d12), (a9, b5, c1, d13), (a9, b5, c1, d14), (a9, b5, c1, d15), (a9, b5, c1, d16), (a9, b5, c1, d17), (a9, b5, c1, d18), (a9, b5, c1, d19), (a9, b5, c1, d20), (a9, b5, c1, d21), (a9, b5, c1, d22), (a9, b5, c2, d1), (a9, b5, c2, d2), (a9, b5, c2, d3), (a9, b5, c2, d4), (a9, b5, c2, d5), (a9, b5, c2, d6), (a9, b5, c2, d7), (a9, b5, c2, d8), (a9, b5, c2, d9), (a9, b5, c 2, d10), (a9, b5, c2, d11), (a9, b5, c2, d12), (a9, b5, c2, d13), (a9, b5, c2, d14), (a9, b5, c2, d15), (a9, b5, c2, d16), (a9, b5, c2, d17), (a9, b5, c2, d18), (a9, b5, c2, d19), (a9, b5, c2, d20), (a9, b5, c2, d21), (a9, b5, c2, d22), (a9, b5, c3, d1), (a9, b5, c3, d2), (a9, b5, c3, d3), (a9, b5, c3, d4), (a9, b5, c3, d5), (a9, b5, c3, d6), (a9, b5, c3, d7), (a9, b5, c3, d8), (a9, b5, c3, d9), (a9, b5, c3, d10), (a9, b5, c3, d11), (a9, b5, c3, d12), (a9, b5

, c3, d13), (a9, b5, c3, d14), (a9, b5, c3, d15), (a9, b5, c3, d16), (a9, b5, c 3, d17), (a9, b5, c3, d18), (a9, b5, c3, d19), (a9, b5, c3, d20), (a9, b5, c3, d 21), (a9, b5, c3, d22), (a9, b6, c1, d1), (a9, b6, c1, d2), (a9, b6, c1, d3), (a 9, b6, c1, d4), (a9, b6, c1, d5), (a9, b6, c1, d6), (a9, b6, c1, d 7), (a9, b6, c1, d8), (a9, b6, c1, d9), (a9, b6, c1, d10), (a9, b6, c1, d11), (a9, b6, c1, d1 2), (a9, b6, c1, d13), (a9, b6, c1, d14), (a9, b6, c1, d15), (a9, b6, c1, d16), (a9, b6, c1, d17), (a9, b6, c1, d18), (a9, b6, c1, d19), (a9, b6, c1, d20), (a9, b6 , c1, d21), (a9, b6, c1, d22), (a9, b6, c2, d1), (a9, b6, c2, d2), (a9, b6, c2, d3), (a9, b6, c2, d4), (a9, b6, c2, d5), (a9, b6, c2, d6), (a9, b6, c2, d7), (a9, b6, c2, d8), (a9, b6, c2, d9), (a9, b6, c2, d10), (a9, b6, c2, d11), (a9, b6, c2, d12), (a9, b 6, c2, d13), (a9, b6, c2, d14), (a9, b6, c2, d15), (a9, b6, c2, d16), (a9, b6, c2, d17), (a9, b6, c2, d18), (a9, b6, c2, d19), (a9, b6, c2, d20), (a9, b6, c2, d21), (a9, b6, c2, d22), (a9, b6, c3, d1), (a9, b6, c3, d2), (a9, b6, c3, d3), (a9, b6, c3, d4), (a9, b6, c3, d5), (a9, b6, c3, d6), (a9, b6 , c3, d7), (a9, b6, c3, d8), (a9, b6, c3, d9), (a9, b6, c3, d10), (a9, b6, c3, d 11), (a9, b6, c3, d12), (a9, b6, c3, d13), (a9, b6, c3, d14), (a9, b6, c3, d15), (a9, b6, c3, d16), (a9, b6, c3, d17), (a9, b6, c3, d 18), (a9, b6, c3, d19), (a 9, b6, c3, d20), (a9, b6, c3, d21), (a9, b6, c3, d22), (a10, b1, c1, d1), (a10, b1, c1, d2), (a10, b1, c1, d3), (a10, b1, c1, d4), (a10, b1, c1, d5), (a10, b1, c1, d6), (a10, b1, c1, d7), (a10, b1, c1, d8), (a10, b1, c1, d9), (a10 , b1, c1, d10), (a10, b1, c1, d11), (a10, b1, c1, d12), (a10, b1, c1, d13), (a10, b1, c1, d14), (a10, b1, c1, d15), (a10, b1, c1, d16), (a10, b1, c1, d17), (a10, b1, c1, d18), (a10, b1, c1, d19), (a10, b1, c1, d20), (a10, b1, c1, d21), (a10, b1, c1, d22), (a10, b1, c2, d1), (a10, b1, c2, d2), (a10, b1, c2, d3), (a10, b1, c2, d4), (a10, b1, c2, d5), (a10, b1, c2, d6), (a10, b1, c2, d7), (a10, b1, c2, d8), (a10, b1, c2, d9), (a10, b1, c2, d10), (a10, b1, c2, d11), (a10, b1, c2, d12), (a 10, b1, c2, d13), (a10, b1, c2, d14), (a10, b1, c2, d15), (a10, b1, c2, d16), (a10, b1, c2, d17), (a10, b1, c2, d18), (a10, b1, c2, d19), (a10, b1, c2, d20), (a10, b1, c2, d21), (a10, b1, c2, d22), (a10, b1, c3, d1), (a10, b1, c3, d2), (a1 0, b1, c3, d3), (a10, b1, c3, d4), (a10, b1, c3, d5), (a10, b1, c3, d6), (a10, b1, c3, d7), (a10, b1, c3, d8), (a10, b1, c3, d9), (a10, b1, c3, d10), (a10, b1, c3, d11), (a10, b1, c3, d12), (a10, b1, c3, d13), (a10, b1, c3, d14), (a10, b1, c3, d15), (a10, b1, c3, d16), (a10, b1, c3, d17), (a10, b1, c3, d18), (a10, b1, c3, d19), (a10, b1, c3, d20), (a10, b1, c3, d21), (a10, b1, c3, d22), (a10, b2, c1, d1), (a10, b2, c1, d2), (a10, b2, c1, d3), (a10, b2, c1, d4), (a10, b2, c1, d5), (a10, b2, c1, d6), (a10, b2, c1, d7), (a10, b2, c1, d8), (a10, b2, c1, d9) , (a10, b2, c1, d10), (a10, b2, c1, d11), (a10, b2, c1, d12), (a10, b2, c1, d13) , (a10, b2, c1, d14), (a10, b2, c1, d15), (a10, b2, c1, d16), (a10, b2, c1, d17) , (a10, b2, c1, d18), (a10, b2, c1, d19), (a10, b2, c1, d20), (a10, b2, c1, d21) , (a10, b 2, c1, d22), (a10, b2, c2, d1), (a10, b2, c2, d2), (a10, b2, c2, d3), (a10, b2, c2, d4), (a10, b2, c2, d5), (a10, b2, c2, d6), (a10, b2, c2, d7), (a10 , b2, c2, d8), (a10, b2, c2, d9), (a10, b2, c2, d10), (a10, b2, c2, d11), (a10, b2, c2, d12), (a10, b2, c2 , d13), (a10, b2, c2, d14), (a10, b2, c2, d15), (a10, b2, c2, d16), (a10, b2, c2, d17), (a10, b2, c2, d18), (a10, b2, c2, d19), (a10, b2, c2, d20), (a10, b2, c2, d21), (a10, b2, c2, d22), (a10, b2, c3, d1), (a10, b2, c3, d2), (a10, b2, c3, d3), (a10, b2, c 3, d4), (a10, b2, c3, d5), (a10, b2, c3, d6), (a10, b2, c3, d7), (a10, b2, c3, d8), (a10, b2, c3, d9), (a10, b2, c3, d10), (a10, b2, c3, d11), (a10, b2, c3, d12), (a10, b2, c3, d13), (a10, b2, c3, d14), (a10, b2, c3, d15), (a10, b2, c3, d16), (a10, b2, c3, d17), (a10, b2, c3 , d18), (a10, b2, c3, d19), (a10, b2, c3, d20), (a10, b2, c3, d21), (a10, b2, c3

, d22), (a10, b3, c1, d1), (a10, b3, c1, d2), (a10, b3, c1, d3), (a10, b3, c1, d
4), (a10, b3, c1, d5), (a10, b3, c1, d6), (a10, b3, c1, d7), (a10, b3, c1, d8),
(a10, b3, c1, d9), (a10, b3, c1, d10), (a10, b3, c1, d11), (a10, b3, c1, d12),
(a10, b3, c1, d13), (a10, b3, c1, d14), (a10, b3, c1, d15), (a10, b3, c1, d16),
(a10, b3, c1, d17), (a10, b3, c1, d18), (a10, b3, c1, d19), (a10, b3, c1, d20),
(a10, b3, c1, d21), (a10, b3, c1, d22), (a10, b3, c2, d1), (a10, b3, c2, d2), (a
10, b3, c2, d3), (a10, b3, c2, d4), (a10, b3, c2, d5), (a10, b3, c2, d6), (a10,
b3, c2, d7), (a10, b3, c2, d8), (a10, b3, c2, d9), (a10, b3, c2, d10), (a10, b3,
c2, d11), (a10, b3, c2, d12), (a10, b3, c2, d13), (a10, b3, c2, d14), (a10, b3
, c2, d15), (a10, b3, c2, d16), (a10, b3, c2, d17), (a10, b3, c2, d18), (a10, b3
, c2, d19), (a10, b3, c2, d20), (a10, b3, c2, d21), (a10, b3, c2, d22), (a10, b3
, c3, d1), (a10, b3, c3, d2), (a10, b3, c3, d3) , (a10, b3, c3, d4), (a10, b3, c
3, d5), (a10, b3, c3, d6), (a10, b3, c3, d7), (a10, b3, c3, d8), (a10, b3, c3, d
9), (a10, b3, c3, d10), (a10, b3, c3, d11), (a10, b3, c3, d12), (a10, b3, c3, d1
3), (a10, b3, c3, d14), (a10, b3, c3, d15), (a10, b3, c3, d16), (a10, b3, c3, d1
7), (a10, b3, c3, d18), (a10, b3, c3, d19), (a10, b3, c3, d20), (a10, b3, c3, d2
1), (a10, b3, c3, d22), (a10, b4, c1, d1), (a10, b4, c1, d2), (a10, b4, c1, d3),
(a10, b4, c1, d4), (a10, b4, c1, d5), (a10, b4, c1, d6), (a10, b4, c1, d7), (a1
0, b4, c1, d8), (a10, b4, c1, d9), (a10, b4, c1, d10), (a10, b4, c1, d11), (a10
, b4, c1, d12), (a10, b4, c1, d13), (a10, b4, c1, d14), (a10, b4, c1, d15), (a10
, b4, c1, d16), (a10, b4, c1, d17), (a10, b4, c1, d18), (a10, b4, c1, d19), (a10
, b4, c1, d20), (a10, b4, c1, d21), (a10, b4, c1, d22), (a10, b4, c2, d1), (a10
, b4, c2, d2), (a10, b4, c2, d3), (a10, b4, c2, d4), (a10, b4, c2, d5), (a10, b4
, c2, d6), (a10, b4, c2, d7), (a10, b4, c2, d8), (a10, b4, c2, d9), (a10, b4, c2
, d10), (a10, b4, c2, d11), (a10, b4, c2, d12), (a10, b4, c2, d13), (a10, b4, c2
, d14), (a10, b4, c2, d15), (a10, b4, c2, d16), (a10, b4, c2, d17), (a10, b4, c2
, d18), (a10, b4, c2, d19), (a10, b4, c2, d20), (a10, b4, c2, d21), (a10, b4, c2
, d22), (a10, b4, c3, d1), (a10, b4, c3, d2), (a10 , b4, c3, d3), (a10, b4, c3,
d4), (a10, b4, c3, d5), (a10, b4, c3, d6), (a10, b4, c3, d7), (a10, b4, c3, d8),
(a10, b4, c3, d9), (a10, b4, c3, d10), (a10, b4, c3, d11), (a10, b4, c3, d12),
(a10, b4, c3, d13), (a10, b4, c3, d14), (a10, b4, c3, d15), (a10, b 4, c3, d16),
(a10, b4, c3, d17), (a10, b4, c3, d18), (a10, b4, c3, d19), (a10, b4, c3, d20),
(a10, b4, c3, d21), (a10, b4, c3, d22), (a10, b5, c1, d1), (a10, b5, c1, d2), (
a
10, b5, c1, d3), (a10, b5, c1, d4), (a10, b5, c1, d5), (a10, b5, c1, d6), (a10,
b5, c1, d7), (a10, b5, c1, d8), (a10, b5, c1, d9), (a10, b5, c1, d10), (a10, b5
, c1, d11), (a10, b5, c1, d12), (a10, b5, c1, d13), (a10, b5, c1, d14), (a10, b5
, c1, d15), (a10, b5, c1, d16), (a10, b5, c1, d17), (a10, b5, c1, d18), (a10, b5
, c1, d19), (a10, b5 , c1, d20), (a10, b5, c1, d21), (a10, b5, c1, d22), (a10, b
5, c2, d1), (a10, b5, c2, d2), (a10, b5, c2, d3), (a10, b5, c2, d4), (a10, b5, c
2, d5), (a10, b5, c2, d6), (a10, b5, c2, d7), (a10, b5, c2, d8), (a10, b5, c2, d
9), (a10, b5, c2, d10), (a10, b5, c2, d11), (a10, b5, c2, d12), (a10, b5, c2, d
13), (a10, b5, c2, d14), (a10, b5, c2, d15), (a10, b5, c2, d16), (a10, b5, c2, d
17), (a10, b5, c2, d18), (a10, b5, c2, d19), (a10, b5, c2, d20), (a10, b5, c2, d
21), (a10, b5, c2, d22), (a10, b5, c3, d1), (a10, b5, c3, d2), (a10, b5, c3, d3)
, (a10, b5, c3, d4), (a10, b5, c3, d5), (a10, b5, c3, d6), (a10, b5, c3, d7), (a
10, b5, c3, d8), (a10, b5, c3, d9), (a10, b5, c3, d10), (a10, b5, c3, d11), (a10
, b5, c3, d12), (a10, b5, c3, d13), (a10, b5, c3, d14), (a10, b5, c3, d15), (a10
, b5, c3, d16), (a10, b5, c3, d17), (a10, b5, c3, d18), (a10, b5, c3, d19), (a10
, b5, c3, d20), (a10, b5, c3, d21), (a10, b5, c3, d22), (a10, b6, c1, d1), (a10,

b6, c1, d2), (a10, b6, c1, d3), (a10, b6, c1, d4), (a10, b6, c1, d5), (a10, b6, c1, d 6), (a10, b6, c1, d7), (a10, b6, c1, d8), (a10, b6, c1, d9), (a10, b6, c1, d10), (a10, b6, c1, d11), (a10, b6, c1, d12), (a10, b6, c1, d13), (a10, b6, c1, d14), (a10, b6, c1, d15), (a10, b6, c1, d16), (a10, b6, c1, d17), (a10, b6, c1, d18), (a10, b6, c1, d 19), (a10, b6, c1, d20), (a10, b6, c1, d21), (a10, b6, c1, d22), (a10, b6, c2, d1), (a10, b6, c2, d2), (a10, b6, c2, d3), (a10, b6, c2, d4), (a10, b6, c2, d5), (a10, b6, c2, d6), (a10, b6, c2, d7), (a10, b6, c2, d8), (a10, b6, c2, d9), (a10, b6, c2, d10), (a10, b6, c2, d11), (a10, b6, c2, d12), (a10, b6, c2, d13), (a10, b6, c2, d14), (a10, b6, c2, d15), (a10, b6, c2, d16), (a10, b6, c2, d17), (a10, b6, c2, d18), (a10, b6, c2, d19), (a10, b6, c2, d20), (a10, b6, c2, d21), (a10, b6, c2, d22), (a10, b6, c3, d1), (a10, b6, c3, d2), (a10, b6, c3, d3), (a10, b6, c3, d4), (a10, b6, c3, d5), (a10, b6, c3, d6), (a10, b6, c3, d7), (a10, b6, c3, d8), (a10, b6, c3, d9), (a10, b6, c3, d10), (a10, b6, c3, d11), (a10, b6, c3, d12), (a10, b6, c3, d13), (a10, b6, c3, d14), (a10, b6, c3, d15), (a10, b6, c3, d16), (a10, b6, c3, d17), (a10, b6, c3, d18), (a10, b6, c3, d19), (a10, b6, c3, d20), (a10, b6, c3, d21), (a10, b6, c3, d22), (a11, b1, c1, d1), (a11, b1, c1, d2), (a11, b1, c1, d3), (a11, b1, c1, d4), (a11, b1, c1, d5), (a 11, b1, c1, d6), (a11, b1, c1, d7), (a11, b1, c1, d8), (a11, b1, c1, d9), (a11, b1, c1, d10), (a11, b1, c1, d11), (a11, b1, c1, d12), (a11, b1, c1, d13), (a11, b1, c1, d14), (a11, b1, c1, d15), (a11, b1, c1, d16), (a11, b1, c1, d17), (a11, b1, c1, d18), (a 11, b1, c1, d19), (a11, b1, c1, d20), (a11, b1, c1, d21), (a11, b1, c1, d22), (a11, b1, c2, d1), (a11, b1, c2, d2), (a11, b1, c2, d3), (a11, b1, c2, d4), (a11, b1, c2, d5), (a11, b1, c2, d6), (a11, b1, c2, d7), (a11, b1, c2, d8), (a11, b1, c2, d9), (a11, b 1, c2, d10), (a11, b1, c2, d11), (a 11, b1, c2, d12), (a11, b1, c2, d13), (a11, b1, c2, d14), (a11, b1, c2, d15), (a 11, b1, c2, d16), (a11, b1, c2, d17), (a11, b1, c2, d18), (a11, b1, c2, d19), (a 11, b1, c2, d20), (a11, b1, c2, d21), (a11, b1, c2, d22), (a1 1, b1, c3, d1), (a 11, b1, c3, d2), (a11, b1, c3, d3), (a11, b1, c3, d4), (a11, b1, c3, d5), (a11, b1, c3, d6), (a11, b1, c3, d7), (a11, b1, c3, d8), (a11, b1, c3, d9), (a11, b1, c3, d10), (a11, b1, c3, d11), (a11, b1, c3, d12), (a11, b1, c3, d13), (a11, b1 , c3, d14), (a11, b1, c3, d15), (a11, b1, c3, d16), (a11, b1, c3, d17), (a11, b1, c3, d18), (a11, b1, c3, d19), (a11, b1, c3, d20), (a11, b1, c3, d21), (a11, b1, c3, d22), (a11, b2, c1, d1), (a11, b2, c1, d2), (a11, b2, c1, d3), (a11, b2, c1, d4), (a11, b2 , c1, d5), (a11, b2, c1, d6), (a11, b2, c1, d7), (a11, b2, c1, d 8), (a11, b2, c1, d9), (a11, b2, c1, d10), (a11, b2, c1, d11), (a11, b2, c1, d12), (a11, b2, c1, d13), (a11, b2, c1, d14), (a11, b2, c1, d15), (a11, b2, c1, d16), (a11, b2, c1, d17), (a11, b2, c1, d18), (a11, b2, c1, d19), (a11, b2, c1, d2 0), (a11, b2, c1, d21), (a11, b2, c1, d22), (a11, b2, c2, d1), (a11, b2, c2, d2) , (a11, b2, c2, d3), (a11, b2, c2, d4), (a11, b2, c2, d5), (a11, b2, c2, d6), (a 11, b2, c2, d7), (a11, b2, c2, d8), (a11, b2, c2, d9), (a11, b2, c2, d10), (a11 , b2, c2, d11), (a11, b2, c2, d12), (a11, b2, c2, d13), (a11, b2, c2, d14), (a11 , b2, c2, d15), (a11, b2, c2, d16), (a11, b2, c2, d17), (a11, b2, c2, d18), (a11 , b2, c2, d19), (a11, b2, c2, d20), (a11, b2, c2, d21), (a11, b2, c2, d22), (a11 , b2, c3, d1), (a11, b2, c3, d2), (a11, b2, c3, d3), (a11, b2, c3, d4), (a11, b2 , c3, d5), (a11, b2, c3, d6), (a11, b2, c3, d7), (a11, b2, c3, d8), (a11, b2, c3 , d9), (a11, b2, c3, d10), (a11, b2, c3, d11), (a11, b2, c3, d12), (a11, b2, c3, d 13), (a11, b2, c3, d14), (a11, b2, c3, d15), (a11, b2, c3, d16), (a11, b2, c3 , d17), (a11, b2, c3, d18), (a11, b2, c3, d19), (a11, b2, c3, d20), (a11, b2, c3 , d21), (a11, b2, c3, d22), (a11, b3, c1, d1), (a11, b3, c1, d2), (a11, b3, c1, d3), (a11, b3, c1, d4), (a11, b3, c1, d5), (a11, b3, c1, d6), (a11, b3, c1, d7),

(a11, b3, c1, d8), (a11, b3, c1, d9), (a11, b3, c1, d10), (a11, b3, c1, d11), (a11, b3, c1, d12), (a11, b3, c1, d13), (a11, b3, c1, d14), (a11, b3, c1, d15), (a11, b3, c1, d16), (a11, b3, c1, d1 7), (a11, b3, c1, d18), (a11, b3, c1, d19), (a11, b3, c1, d20), (a11, b3, c1, d21), (a11, b3, c1, d22), (a11, b3, c2, d1), (a11, b3, c2, d2), (a11, b3, c2, d3), (a11, b3, c2, d4), (a11, b3, c2, d5), (a11, b3, c2, d6), (a11, b3, c2, d7), (a11, b3, c2, d8), (a11, b3, c2, d9), (a11, b3, c2, d10), (a11, b3, c2, d11), (a11, b3, c2, d12), (a11, b3, c2, d13), (a11, b3, c2, d14), (a11, b3, c2, d15), (a11, b3, c2, d16), (a11, b3, c2, d17), (a11, b3, c2, d18), (a11, b3, c2, d19), (a11, b3, c2, d20), (a11, b3, c2, d21), (a11, b3, c2, d22), (a11, b3, c3, d1), (a11, b3, c3, d2), (a11, b3, c3, d3), (a11, b3, c3, d4), (a11, b3, c3, d5), (a11, b3, c3, d6), (a11, b3, c3, d7), (a11, b3, c3, d8), (a11, b3, c3, d9), (a11, b3, c3, d10), (a11, b3, c3, d11), (a11, b3, c3, d12), (a 11, b3, c3, d13), (a11, b3, c3, d14), (a11, b3, c3, d15), (a11, b3, c3, d16), (a11, b3, c3, d17), (a11, b3, c3, d18), (a11, b3, c3, d19), (a11, b3, c3, d20), (a11, b3, c3, d21), (a11, b3, c3, d22), (a11, b4, c1, d1), (a11, b4, c1, d2), (a11, b4, c1, d3), (a11, b4, c1, d4), (a11, b4, c1, d5), (a11, b4, c1, d6), (a11, b4, c1, d7), (a11, b4, c1, d8), (a11, b4, c1, d9), (a11, b4, c1, d10), (a11, b4, c1, d11), (a11, b4, c1, d12), (a11, b4, c1, d13), (a11, b4, c1, d14), (a11, b4, c1, d15), (a11, b4, c1, d16), (a1 1, b4, c1, d17), (a11, b4, c1, d18), (a11, b4, c1, d19), (a11, b4, c1, d20), (a11, b4, c1, d21), (a11, b4, c1, d22), (a11, b4, c2, d1), (a11, b4, c2, d2), (a11, b4, c2, d3), (a11, b4, c2, d4), (a11, b4, c2, d5), (a11, b4, c2, d6), (a11, b4, c2, d7), (a11, b4, c2, d8), (a11, b4, c2, d9), (a11, b4, c2, d10), (a11, b4, c2, d11), (a11, b4, c2, d12), (a11, b4, c2, d13), (a11, b4, c2, d14), (a11, b4, c2, d15), (a11, b4, c2, d16), (a11, b4, c2, d17), (a11, b4, c2, d18), (a11, b4, c2, d19), (a11, b4, c2, d20), (a11 , b4, c2, d21), (a11, b4, c2, d22), (a11, b4, c3, d1), (a11, b4, c3, d2), (a11, b4, c3, d3), (a11, b4, c3, d4), (a11, b4, c3, d5), (a11, b4, c3, d6), (a11, b4, c3, d7), (a11, b4, c3, d8), (a11, b4, c3, d9), (a11, b4, c3, d10), (a11, b4, c3, d11), (a11, b4, c3, d12), (a11, b4, c3, d13), (a11, b4, c3, d14), (a11, b4, c3, d15), (a11, b4, c3, d16), (a11, b4, c3, d17), (a11, b4, c3, d18), (a11, b4, c3, d19), (a11, b4, c3, d20), (a11, b4, c3, d21), (a11, b4, c3, d22), (a11, b5, c1, d1), (a11, b5, c1, d2), (a11, b 5, c1, d3), (a11, b5, c1, d4), (a11, b5, c1, d5), (a11, b5, c1, d6), (a11, b5, c1, d7), (a11, b5, c1, d8), (a11, b5, c1, d9), (a11, b5, c1, d10), (a11, b5, c1, d11), (a11, b5, c1, d12), (a11, b5, c1, d13), (a11, b5, c1, d14), (a11, b5, c1, d15), (a11, b5, c1, d16), (a11, b5, c1, d17), (a11, b5, c1, d18), (a11, b5, c1, d19), (a11, b5, c1, d20), (a11, b5, c1, d21), (a11, b5, c1, d22), (a11, b5, c2, d1), (a11, b5, c2, d2), (a11, b5, c2, d3), (a11, b5, c2, d4), (a11, b5, c2, d5), (a11, b5, c2, d6), (a11, b5, c2 , d7), (a11, b5, c2, d8), (a11, b5, c2, d9), (a11, b5, c2, d10), (a11, b5, c2, d11), (a11, b5, c2, d12), (a11, b5, c2, d13), (a11, b5, c2, d14), (a11, b5, c2, d15), (a11, b5, c2, d16), (a11, b5, c2, d17), (a11, b5, c2, d18), (a11, b5, c2, d19), (a11, b5, c 2, d20), (a11, b5, c2, d21), (a11, b5, c2, d22), (a11, b5, c3, d1), (a11, b5, c3, d2), (a11, b5, c3, d3), (a11, b5, c3, d4), (a11, b5, c3, d5), (a11, b5, c3, d6), (a11, b5, c3, d7), (a11, b5, c3, d8), (a11, b5, c3, d9), (a11, b5, c3, d10), (a11, b5, c3, d1 1), (a11, b5, c3, d12), (a11, b5, c3, d13), (a11, b5, c3, d14), (a11, b5, c3, d15), (a11, b5, c3, d16), (a11, b5, c3, d17), (a11, b5, c3, d18), (a11, b5, c3, d19), (a11, b5, c3, d20), (a11, b5, c3, d21), (a11, b5, c3, d22), (a11, b6, c1, d1), (a11, b6, c1, d2), (a11, b6, c1, d3), (a11, b6, c1, d4), (a11, b6, c1, d5), (a11, b6, c1, d6), (a11, b6, c1, d7), (a11, b6, c1, d8), (a11, b6, c1, d9), (a11, b6, c1, d10), (a11, b6, c1, d11), (a11, b6, c1, d12), (a11, b6,

c1, d13), (a11, b6, c1, d14), (a11, b6, c1, d15), (a11, b6, c1, d16), (a11, b6, c1, d17), (a11, b6, c1, d18), (a11, b6, c1, d19), (a11, b6, c1, d20), (a11, b6, c1, d21), (a11, b6, c1, d22), (a11, b6, c2, d1), (a11, b6, c2, d2), (a11, b6, c2, d3), (a11, b6, c2, d4), (a11, b6, c2, d5), (a11, b6, c2, d6), (a11, b6, c2, d7), (a11, b6, c2, d8), (a11, b6, c2, d9), (a11, b6, c2, d10), (a11, b6, c2, d11), (a11, b6, c2, d12), (a11, b6, c2, d13), (a11, b6, c2, d14), (a11, b6, c2, d15), (a11, b6, c2, d16), (a11, b6, c2, d17), (a11, b6, c2, d18), (a11, b6, c2, d19), (a11, b6, c2, d20), (a11, b6, c2, d21), (a11, b6, c2, d22), (a11, b6, c3, d1), (a11, b6, c3, d2), (a11, b6, c3, d3), (a11, b6, c3, d4), (a11, b6, c3, d5), (a11, b6, c3, d6), (a11, b6, c3, d7), (a11, b6, c3, d8), (a11, b6, c3, d9), (a11, b6, c3, d10), (a1 1, b6, c3, d11), (a11, b6, c3, d12), (a11, b6, c3, d13), (a11, b6, c3, d14), (a11, b6, c3, d15), (a11, b6, c3, d16), (a11, b6, c3, d17), (a11, b6, c3, d18), (a11, b6, c3, d19), (a11, b6, c3, d20), (a11, b6, c3, d21), (a11, b6, c3, d22), (a12, b1, c1, d1), (a12, b1, c1, d2), (a12, b1, c1, d3), (a12, b1, c1, d4), (a12, b1, c1, d5), (a12, b1, c1, d6), (a12, b1, c1, d7), (a12, b1, c1, d8), (a12, b1, c1, d9), (a12, b1, c1, d10), (a12, b1, c1, d11), (a12, b1, c1, d12), (a12, b1, c1, d13), (a12, b1, c1, d14), (a12 , b1, c1, d15), (a12, b1, c1, d16), (a12, b1, c1, d17), (a12, b1, c1, d18), (a12, b1, c1, d19), (a12, b1, c1, d20), (a12, b1, c1, d21), (a12, b1, c1, d22), (a12, b1, c2, d1), (a12, b1, c2, d2), (a12, b1, c2, d3), (a12, b1, c2, d4), (a12, b1, c2, d5), (a12, b1, c2, d6), (a12, b1, c2, d7), (a12, b1, c2, d8), (a12, b1, c2, d9), (a12, b1, c2, d10), (a12, b1, c2, d11), (a12, b1, c2, d12), (a12, b1, c2, d13), (a12, b1, c2, d14), (a12, b1, c2, d15), (a12, b1, c2, d16), (a12, b1, c2, d17), (a12, b1, c2, d18), (a12, b1, c2, d19), (a12, b1, c2, d20), (a12, b1, c2, d21), (a12, b1, c2, d22), (a12, b1, c3, d1), (a12, b1, c3, d2), (a12, b1, c3, d3), (a12, b1, c3, d4), (a12, b1, c3, d5), (a12, b1, c3, d6), (a12, b1, c3, d7), (a12, b1, c3, d8), (a12, b1, c3, d9), (a12, b1, c3, d10), (a12, b1, c3, d11), (a12, b1, c3, d12), (a12, b1, c3, d13), (a12, b1, c3, d14), (a12, b1, c3, d15), (a12, b1, c3, d16), (a12, b1, c3, d17), (a12, b1, c3, d18), (a12, b1, c3, d19), (a12, b1, c3, d20), (a12, b1, c3, d21), (a12, b1, c3, d22), (a12, b2, c1, d1), (a12, b2, c1, d2), (a12, b2, c1, d3), (a12, b2, c1, d4), (a12, b2, c1, d5), (a12, b2, c1, d6), (a12, b2, c1, d7), (a12, b2, c1, d8), (a12, b2, c1, d9), (a12, b2, c1, d10), (a12, b2, c1, d11), (a12, b2, c1, d12), (a12, b2, c1, d13), (a12, b2, c 1, d14), (a12, b2, c1, d15), (a12, b2, c1, d16), (a12, b2, c1, d17), (a12, b2, c1, d18), (a12, b2, c1, d19), (a12, b2, c1, d20), (a12, b2, c1, d21), (a12, b2, c1, d22), (a12, b2, c2, d1), (a12, b2, c2, d2), (a12, b2, c2, d3), (a12, b2, c2, d4), (a12, b2, c 2, d5), (a12, b2, c2, d6), (a12, b2, c2, d7), (a12, b2, c2, d8), (a12, b2, c2, d9), (a12, b2, c2, d10), (a12, b2, c2, d11), (a12, b2, c2, d12), (a12, b2, c2, d13), (a12, b2, c2, d14), (a12, b2, c2, d15), (a12, b2, c2, d16), (a12, b2, c2, d17), (a12, b2, c2 , d18), (a12, b2, c2, d19), (a12, b2, c2, d20), (a12, b2, c2, d21), (a12, b2, c2, d22), (a12, b2, c3, d1), (a12, b2, c3, d2), (a12, b2, c3, d3), (a12, b2, c3, d4), (a12, b2, c3, d5), (a12, b2, c3, d6), (a12, b2, c3, d7), (a12, b2, c3, d8), (a12, b2, c3, d9), (a12, b2, c3, d10), (a12, b2, c3, d11), (a12, b2, c3, d12), (a12, b2, c3, d13), (a12, b2, c3, d14), (a12, b2, c3, d15), (a12, b2, c3, d16), (a12, b2, c3, d17), (a12, b2, c3, d18), (a12, b2, c3, d19), (a12, b2, c3, d20), (a12, b2, c3, d21), (a12, b2, c3, d22), (a12, b3, c1, d1), (a12, b3, c1, d2), (a12, b3, c1, d3), (a12, b3, c1, d4), (a12, b3, c1, d5), (a12, b3, c1, d6), (a12, b3, c1, d7), (a12, b3, c1, d8), (a12, b3, c1, d9), (a12, b3, c1, d10), (a12, b3, c1, d11), (a12, b3, c1, d12), (a12, b3, c1, d13) , (a12, b3, c1, d14),

(a12, b3, c1, d15), (a12, b3, c1, d16), (a12, b3, c1, d17), (a12, b3, c1, d18), (a12, b3, c1, d19), (a12, b3, c1, d20), (a12, b3, c1, d21), (a12, b3, c1, d22), (a12, b3, c2, d1), (a12, b3, c2, d2), (a12, b3, c2, d3), (a12, b3, c2, d4) , (a12, b3, c2, d5), (a12, b3, c2, d6), (a12, b3, c2, d7), (a12, b3, c2, d8), (a12, b3, c2, d9), (a12, b3, c2, d10), (a12, b3, c2, d11), (a12, b3, c2, d12), (a12, b3, c2, d13), (a12, b3, c2, d14), (a12, b3, c2, d15), (a12, b3, c2, d16), (a12, b3, c2, d17), (a12, b3, c2, d18), (a12, b3, c2, d19), (a12, b3, c2, d20), (a12, b3, c2, d21), (a12, b3, c2, d22), (a12, b3, c3, d1), (a12, b3, c3, d2), (a12, b3, c3, d3), (a12, b3, c3, d4), (a12, b3, c3, d5), (a12, b3, c3, d6), (a12, b3, c3, d7), (a12, b3, c3, d8), (a1 2, b3, c3, d9), (a12, b3, c3, d10), (a12, b3, c3, d11), (a12, b3, c3, d12), (a12, b3, c3, d13), (a12, b3, c3, d14), (a12, b3, c3, d15), (a12, b3, c3, d16), (a12, b3, c3, d17), (a12, b3, c3, d18), (a12, b3, c3, d19), (a12, b3, c3, d20), (a12, b3, c3, d21), (a12, b3, c3, d22), (a12, b4, c1, d1), (a12, b4, c1, d2), (a12, b4, c1, d3), (a12, b4, c1, d4), (a12, b4, c1, d5), (a12, b4, c1, d6), (a12, b4, c1, d7), (a12, b4, c1, d8), (a12, b4, c1, d9), (a12, b4, c1, d10), (a12, b4, c1, d11), (a12, b4, c1, d12), (a12, b4, c1, d13), (a12, b4, c1, d14), (a12, b4, c1, d15), (a12, b4, c1, d16), (a12, b4, c1, d17), (a12, b4, c1, d18), (a12, b4, c1, d19), (a12, b4, c1, d20), (a12, b4, c1, d21), (a12, b4, c1, d22), (a12, b4, c2, d1), (a12, b4, c2, d2), (a12, b4, c2, d3), (a12, b4, c2, d4), (a12, b4, c2, d5), (a12, b4, c2, d6), (a12, b4, c2, d7), (a12, b4, c2, d8), (a12, b4, c2, d9), (a12, b4, c2, d10), (a12, b4, c2, d11), (a12, b4, c2, d12), (a12, b4, c2, d13), (a12, b4, c2, d14), (a12, b4, c2, d15), (a12, b4, c2, d16), (a12, b4, c2, d17), (a12, b4, c2, d18), (a12, b4, c2, d19), (a12, b4, c2, d20), (a12, b4, c2, d21), (a12, b4, c2, d22), (a12, b4, c3, d1), (a12, b4, c3, d2), (a12, b4, c3, d3), (a12, b4, c3, d4), (a12, b4, c3, d5), (a12, b4, c3, d6), (a12, b4, c3, d7), (a12, b4, c3, d8), (a12, b4, c3, d9), (a12, b4, c3, d10), (a12, b4, c3, d11), (a12, b4, c3, d12), (a12, b4, c3, d13), (a12, b4, c3, d14), (a12, b4, c3, d15), (a12, b4, c3, d16), (a12, b4, c3, d17), (a12, b4, c3, d18), (a12, b4, c3, d19), (a12, b4, c3, d20), (a12, b 4, c3, d21), (a12, b4, c3, d22), (a12, b5, c1, d1), (a12, b5, c1, d2), (a12, b5, c1, d3), (a12, b5, c1, d4), (a12, b5, c1, d5), (a12, b5, c1, d6), (a12, b5, c1, d7), (a12, b5, c1, d8), (a12, b5, c1, d9), (a12, b5, c1, d10), (a12, b5, c1, d11), (a12, b5, c1 , d12), (a12, b5, c1, d13), (a12, b5, c1, d14), (a12, b5, c1, d15), (a12, b5, c1, d16), (a12, b5, c1, d17), (a12, b5, c1, d18), (a12, b5, c1, d19), (a12, b5, c1, d20), (a12, b5, c1, d21), (a12, b5, c1, d22), (a12, b5, c2, d1), (a12, b5, c2, d2), (a12, b5, c2, d3), (a12, b5, c2, d4), (a12, b5, c2, d5), (a12, b5, c2, d6), (a12, b5, c2, d7), (a12, b5, c2, d8), (a12, b5, c2, d9), (a12, b5, c2, d10), (a12, b5, c2, d11), (a12, b5, c2, d12), (a12, b5, c2, d13), (a12, b5, c2, d14), (a12, b5, c2, d15), (a12, b5, c2, d16), (a12, b5, c2, d17), (a12, b5, c2, d18), (a12, b5, c2, d19), (a12, b5, c2, d20), (a12, b5, c2, d21), (a12, b5, c2, d22), (a12, b5, c3, d1), (a12, b5, c3, d2), (a12, b5, c3, d3), (a12, b5, c3, d4), (a12, b5, c3, d5), (a12, b5, c3, d6), (a12, b5, c3, d 7), (a12, b5, c3, d8), (a12, b5, c3, d9), (a12, b5, c3, d10), (a12, b5, c3, d11), (a12, b5, c3, d12), (a12, b5, c3, d13), (a12, b5, c3, d14), (a12, b5, c3, d15), (a12, b5, c3, d16), (a12, b5, c3, d17), (a12, b5, c3, d18), (a12, b5, c3, d19), (a12, b5, c3, d20), (a12, b5, c3, d21), (a12, b5, c3, d22), (a12, b6, c1, d1), (a12, b6, c1, d2), (a12, b6, c1, d3), (a12, b6, c1, d4), (a12, b6, c1, d5), (a12, b6, c1, d6), (a12, b6, c1, d7), (a12, b6, c1, d8), (a12, b6, c1, d9), (a12, b6, c1, d10), (a12, b6, c1, d11), (a12, b6, c1, d12), (a12, b6, c1, d13), (a12, b6, c1, d14), (a12, b6, c1, d15), (a12, b6, c1, d16), (a12, b6, c1, d17), (a12, b6, c1, d18), (a12, b6, c1, d19), (a12, b6,

c1, d20), (a12, b6, c1, d21), (a12, b6, c1, d22), (a12, b6, c2, d1), (a12, b6, c2, d2), (a12, b6, c2, d3), (a12, b6, c2, d4), (a12, b6, c2, d5), (a12, b6, c2, d6), (a12, b6, c2, d7), (a12, b6, c2, d8), (a12, b6, c2, d9), (a12, b6, c2, d10), (a12, b6, c2, d11), (a12, b6, c2, d12), (a12, b6, c2, d13), (a12, b6, c2, d14), (a12, b6, c2, d15), (a12, b6, c2, d16), (a12, b6, c2, d17), (a12, b6, c2, d18), (a12, b6, c2, d19), (a12, b6, c2, d20), (a12, b6, c2, d21), (a12, b6, c2, d22), (a12, b6, c3, d1), (a12, b6, c3, d2), (a12, b6, c3, d3), (a12, b6, c3, d4), (a12, b6, c3, d5), (a12, b6, c3, d6), (a 12, b6, c3, d7), (a12, b6, c3, d8), (a12 , b6, c3, d9), (a12, b6, c3, d10), (a12, b6, c3, d11), (a12, b6, c3, d12), (a12, b6, c3, d13), (a12, b6, c3, d14), (a12, b6, c3, d15), (a12, b6, c3, d16), (a12, b6, c3, d17), (a12, b6, c3, d18), (a12, b6, c3, d19), (a12, b6, c3, d20), (a12 , b6, c3, d21), (a12, b6, c3, d22), (a13, b1, c1, d1), (a13, b1, c1, d2), (a13, b1, c1, d3), (a13, b1, c1, d4), (a13, b1, c1, d5), (a13, b1, c1, d6), (a13, b1, c1, d7), (a13, b1, c1, d8), (a13, b1, c1, d9), (a13, b1, c1, d10), (a13, b1, c1, d11), (a13, b1, c1, d12), (a13, b1, c1, d13), (a13, b1, c1, d14), (a13, b1, c1, d15), (a13, b1, c1, d16), (a13, b1, c1, d17), (a13, b1, c1, d18), (a13, b1, c1, d19), (a13, b1, c1, d20), (a13, b1, c1, d21), (a13, b1, c1, d22), (a13, b1, c2, d1), (a1 3, b1, c2, d2), (a13, b1, c2, d3), (a13, b1, c2, d4), (a13, b1, c2, d5), (a13, b1, c2, d6), (a13, b1, c2, d7), (a13, b1, c2, d8), (a13, b1, c2, d9), (a13, b1, c2, d10), (a13, b1, c2, d11), (a13, b1, c2, d12), (a13, b1, c2, d13), (a13, b1, c2, d14), (a13, b 1, c2, d15), (a13, b1, c2, d16), (a13, b1, c2, d17), (a13, b1, c2, d18), (a13, b1, c2, d19), (a13, b1, c2, d20), (a13, b1, c2, d21), (a13, b1, c2, d22), (a13, b1, c3, d1), (a13, b1, c3, d2), (a13, b1, c3, d3), (a1 3, b1, c3, d4), (a13, b1, c3, d5), (a13, b1 , c3, d6), (a13, b1, c3, d7), (a13, b1, c3, d8), (a13, b1, c3, d9), (a13, b1, c3, d10), (a13, b1, c3, d11), (a13, b1 , c3, d12), (a13, b1, c3, d13), (a13, b1, c3, d14), (a13, b1, c3, d15), (a13, b1 , c3, d16), (a13, b1, c3, d17), (a13, b1, c3, d18), (a13, b1 , c3, d19), (a13, b 1, c3, d20), (a13, b1, c3, d21), (a13, b1, c3, d22), (a13, b2, c1, d1), (a13, b2 , c1, d2), (a13, b2, c1, d3), (a13, b2, c1, d4), (a13, b2, c1, d5), (a13, b2, c1 , d6), (a13, b2, c1, d7), (a13, b2, c1, d8), (a13, b2, c1, d9), (a13, b2, c1, d 10), (a13, b2, c1, d11), (a13, b2, c1, d12), (a13, b2, c1, d13), (a13, b2, c1, d 14), (a13, b2, c1, d15), (a13, b2, c1, d16), (a13, b2, c1, d17), (a13, b2, c1, d 18), (a13, b2, c1, d19), (a13, b2, c1, d20), (a13, b2, c1, d21), (a13, b2, c1, d 22), (a13, b2, c2, d1), (a13, b2, c2, d2), (a13, b2, c2, d3), (a13, b2, c2, d4) , (a13, b2, c2, d5), (a13, b2, c2, d6), (a13, b2, c2, d7), (a13, b2, c2, d8), (a 13, b2, c2, d9), (a13, b2, c2, d10), (a13, b2, c2, d11), (a13, b2, c2, d12), (a1 3, b2, c2, d13), (a13, b2, c2, d14), (a13, b2, c2, d15), (a13, b2, c2, d16), (a1 3, b2, c2, d17), (a13, b2, c2, d18), (a13, b2, c2, d19), (a13, b2, c2, d20), (a1 3, b2, c2, d21), (a13, b2, c2, d22), (a13, b2, c3, d1), (a13, b2, c3, d2), (a13, b2, c3, d3), (a13, b2, c3, d4), (a13, b2, c3, d5), (a13, b2, c3, d6), (a13, b2, c3, d7), (a13, b2, c3, d8), (a13, b2, c3, d9), (a13, b2, c3, d10), (a13, b2, c3 , d11), (a13, b2, c3, d12), (a13, b2, c3, d13), (a13, b2, c3, d14), (a13, b2, c3, d15), (a13, b2, c3, d16), (a13, b2, c3, d17), (a13, b2, c3, d 18), (a13, b2, c3 , d19), (a13, b2, c3, d20), (a13, b2, c3, d21), (a13, b2, c3, d22), (a13, b3, c1 , d1), (a13, b3, c1, d2), (a13, b3, c1, d3), (a13, b3, c1, d4), (a13, b3, c1, d5), (a13, b3, c1, d6), (a13, b3, c1, d7), (a13, b3, c1, d8), (a13, b3, c1, d9), (a13, b3, c1, d10), (a13, b3, c1, d11), (a13, b3, c1, d12), (a13, b3, c1, d13), (a13, b3, c1, d14), (a13, b3, c1, d15), (a13, b3, c1, d16), (a13, b3, c1, d17), (a13, b3, c1, d18), (a13, b3, c1, d19), (a13, b3, c1, d20), (a13, b3, c1, d21), (

a13, b3, c1, d2 2), (a13, b3, c2, d1), (a13, b3, c2, d2), (a13, b3, c2, d3), (a1
3, b3, c2, d4), (a13, b3, c2, d5), (a13, b3, c2, d6), (a13, b3, c2, d7), (a13, b
3, c2, d8), (a13, b3, c2, d9), (a13, b3, c2, d10), (a13, b3, c2, d11), (a13, b3,
c2, d12), (a13, b3, c2, d13), (a13, b3, c2, d14), (a13, b3, c2, d15), (a13, b3
, c2, d16), (a13, b3, c2, d17), (a13, b3, c2, d18), (a13, b3, c2, d19), (a13, b3
, c2, d20), (a13, b3, c2, d21), (a13, b3, c2, d22), (a13, b3, c3, d1), (a13, b3,
c3, d2), (a13, b3, c3, d3), (a13, b3, c3, d4), (a13, b3, c3, d5), (a13, b3, c3
, d6), (a13, b3, c3, d7), (a13, b3, c3, d8), (a13, b3, c3, d9), (a13, b3, c3, d1
0), (a13, b3, c3, d11), (a13, b3, c3, d12), (a13, b3, c3, d13), (a13, b3, c3, d1
4), (a13, b3, c3, d15), (a13, b3, c3, d16), (a13, b3, c3, d17), (a 13, b3, c3, d
18), (a13, b3, c3, d19), (a13, b3, c3, d20), (a13, b3, c3, d21), (a13, b3, c3, d
22), (a13, b4, c1, d1), (a13, b4, c1, d2), (a13, b4, c1, d3), (a13, b4, c1, d4),
(a13, b4, c1, d5), (a13, b4, c1, d6), (a13, b4, c1, d7), (a13, b4, c1, d8), (a1
3, b4, c1, d9), (a13, b4, c1, d10), (a13, b4, c1, d11), (a13, b4, c1, d12), (a13
, b4, c1, d13), (a13, b4, c1, d14), (a13, b4, c1, d15), (a13, b4, c1, d16), (a13
, b4, c1, d17), (a13, b4, c1, d18), (a13, b4, c1, d19), (a13, b4, c1, d20), (a13
, b4, c1, d21), (a1 3, b4, c1, d22), (a13, b4, c2, d1), (a13, b4, c2, d2), (a13,
b4, c2, d3), (a13, b4, c2, d4), (a13, b4, c2, d5), (a13, b4, c2, d6), (a13, b4,
c2, d7), (a13, b4, c2, d8), (a13, b4, c2, d9), (a13, b4, c2, d10), (a13, b4, c2
, d11), (a13, b4, c2, d12), (a13, b4 , c2, d13), (a13, b4, c2, d14), (a13, b4, c
2, d15), (a13, b4, c2, d16), (a13, b4, c2, d17), (a13, b4, c2, d18), (a13, b4, c
2, d19), (a13, b4, c2, d20), (a13, b4, c2, d21), (a13, b4, c2, d22), (a13, b4, c
3, d1), (a13, b4, c3, d2), (a13, b4, c3, d3), (a13, b 4, c3, d4), (a13, b4, c3,
d5), (a13, b4, c3, d6), (a13, b4, c3, d7), (a13, b4, c3, d8), (a13, b4, c3, d9),
(a13, b4, c3, d10), (a13, b4, c3, d11), (a13, b4, c3, d12), (a13, b4, c3, d13),
(a13, b4, c3, d14), (a13, b4, c3, d15), (a13, b4, c3, d16), (a13, b4, c3, d17)
, (a13, b4, c3, d18), (a13, b4, c3, d19), (a13, b4, c3, d20), (a13, b4, c3, d21)
, (a13, b4, c3, d22), (a13, b5, c1, d1), (a13, b5, c1, d2), (a13, b5, c1, d3), (
a13, b5, c1, d4), (a13, b5, c1, d5), (a13, b5, c1, d6), (a13, b5, c1, d7), (a13,
b5, c1 , d8), (a13, b5, c1, d9), (a13, b5, c1, d10), (a13, b5, c1, d11), (a13,
b5, c1, d12), (a13, b5, c1, d13), (a13, b5, c1, d14), (a13, b5, c1, d15), (a13,
b5, c1, d16), (a13, b5, c1, d17), (a13, b5, c1, d18), (a13, b5, c1, d19), (a13,
b5, c1, d20), (a13, b5, c1, d21), (a13, b5, c1, d22), (a13, b5, c2, d1), (a13, b
5, c2, d2), (a13, b5, c2, d3), (a13, b5, c2, d4), (a13, b5, c2, d5), (a13, b5, c
2, d6), (a13, b5, c2, d7), (a13, b5, c2, d8), (a13, b5, c2, d9), (a13, b5, c2, d
10), (a13, b5, c2, d11), (a13, b5, c2, d 12), (a13, b5, c2, d13), (a13, b5, c2,
d14), (a13, b5, c2, d15), (a13, b5, c2, d16), (a13, b5, c2, d17), (a13, b5, c2,
d18), (a13, b5, c2, d19), (a13, b5, c2, d20), (a13, b5, c2, d21), (a13, b5, c2,
d22), (a13, b5, c3, d1), (a13, b5, c3, d2), (a13, b5, c3, d3), (a13, b5, c3, d4
), (a13, b5, c3, d5), (a13, b5, c3, d6), (a13, b5, c3, d7), (a13, b5, c3, d8), (
a13, b5, c3, d9), (a13, b5, c3, d10), (a13, b5, c3, d11), (a13, b5, c3, d12), (a
13, b5, c3, d13), (a13, b5, c3, d14), (a13, b5, c3, d15), (a13, b5, c3, d1 6), (
a13, b5, c3, d17), (a13, b5, c3, d18), (a13, b5, c3, d19), (a13, b5, c3, d20), (
a13, b5, c3, d21), (a13, b5, c3, d22), (a13, b6, c1, d1), (a13, b6, c1, d2), (a1
3, b6, c1, d3), (a13, b6, c1, d4), (a13, b6, c1, d5), (a13, b6, c1, d6), (a13, b
6, c1, d7), (a13, b6, c1, d8), (a13, b6, c1, d9), (a13, b6, c1, d10), (a13, b6,
c1, d11), (a13, b6, c1, d12), (a13, b6, c1, d13), (a13, b6, c1, d14), (a13, b6,
c1, d15), (a13, b6, c1, d16), (a13, b6, c1, d17), (a13, b6, c1, d18), (a13, b6,
c1, d19), (a13, b6, c1, d20), (a13, b6, c1, d21), (a13, b6, c1, d22), (a13, b6
, c2, d1), (a13, b6, c2, d2), (a13, b6, c2, d3), (a13, b6, c2, d4), (a13, b6, c2

, d5), (a13, b6, c2, d6), (a13, b6, c2, d7), (a13, b6, c2, d8), (a13, b6, c2, d9
), (a13, b6, c2, d10), (a13, b6, c2, d11), (a 13, b6, c2, d12), (a13, b6, c2, d1
3), (a13, b6, c2, d14), (a13, b6, c2, d15), (a13, b6, c2, d16), (a13, b6, c2, d1
7), (a13, b6, c2, d18), (a13, b6, c2, d19), (a13, b6, c2, d20), (a13, b6, c2, d2
1), (a13, b6, c2, d22), (a13, b6, c3, d1), (a13, b6, c3, d2), (a13, b6, c3, d3),
(a13, b6, c3, d4), (a13, b6, c3, d5), (a13, b6, c3, d6), (a13, b6, c3, d7), (a1
3, b6, c3, d8), (a13, b6, c3, d9), (a13, b6, c3, d10), (a13, b6, c3, d11), (a13,
b6, c3, d12), (a13, b6, c3, d13), (a13, b6, c3, d14), (a13, b6, c3, d15), (a1 3
, b6, c3, d16), (a13, b6, c3, d17), (a13, b6, c3, d18), (a13, b6, c3, d19), (a13
, b6, c3, d20), (a13, b6, c3, d21), (a13, b6, c3, d22), (a14, b1, c1, d1), (a14,
b1, c1, d2), (a14, b1, c1, d3), (a14, b1, c1, d4), (a14, b1, c1, d5), (a14, b1,
c1, d6), (a14, b1, c1, d7), (a14, b1, c1, d8), (a14, b1, c1, d9), (a14, b1, c1
, d10), (a14, b1, c1, d11), (a14, b1, c1, d12), (a14, b1, c1, d13), (a14, b1, c1
, d14), (a14, b1, c1, d15), (a14, b1, c1, d16), (a14, b1, c1, d17), (a14, b1, c1
, d18), (a14, b1, c1, d19), (a14 , b1, c1, d20), (a14, b1, c1, d21), (a14, b1, c
1, d22), (a14, b1, c2, d1), (a14, b1, c2, d2), (a14, b1, c2, d3), (a14, b1, c2,
d4), (a14, b1, c2, d5), (a14, b1, c2, d6), (a14, b1, c2, d7), (a14, b1, c2, d8),
(a14, b1, c2, d9), (a14, b1, c2, d10), (a14, b1, c2, d11), (a14, b1, c2, d12),
(a14, b1, c2, d13), (a14, b1, c2, d14), (a14, b1, c2, d15), (a14, b1, c2, d16),
(a14, b1, c2, d17), (a14, b1, c2, d18), (a14, b1, c2, d19), (a14, b1, c2, d20),
(a14, b1, c2, d21), (a14, b1, c2, d22), (a14, b1, c3, d1), (a14, b1, c3, d2), (
a14, b1, c3, d3), (a14, b1, c3, d4), (a14, b1, c3, d5), (a14, b1, c3, d6), (a14,
b1, c3, d7), (a14, b1, c3, d8), (a14, b1, c3, d9), (a14, b1, c3, d10), (a14, b1
, c3, d11), (a14, b1, c3, d12), (a14, b1, c3, d13), (a14, b1, c3, d14), (a14, b1
, c3, d15), (a14, b1, c3, d16), (a14, b1, c3, d17), (a14, b1, c3, d18), (a14, b1
, c3, d19), (a14, b1, c3, d20), (a14, b1, c3, d21), (a14, b1, c3, d22), (a14, b2
, c1, d1), (a14, b2, c1, d2), (a14, b2, c1, d3), (a14, b2, c1, d4), (a14, b2, c1
, d5), (a14, b2, c 1, d6), (a14, b2, c1, d7), (a14, b2, c1, d8), (a14, b2, c1, d
9), (a14, b2, c1, d10), (a14, b2, c1, d11), (a14, b2, c1, d12), (a14, b2, c1, d1
3), (a14, b2, c1, d14), (a14, b2, c1, d15), (a14, b2, c1, d16), (a14, b2, c1, d1
7), (a14, b2, c1, d18), (a14, b2, c 1, d19), (a14, b2, c1, d20), (a14, b2, c1, d
21), (a14, b2, c1, d22), (a14, b2, c2, d1), (a14, b2, c2, d2), (a14, b2, c2, d3)
, (a14, b2, c2, d4), (a14, b2, c2, d5), (a14, b2, c2, d6), (a14, b2, c2, d7), (a
14, b2, c2, d8), (a14, b2, c2, d9), (a14, b2, c2, d1 0), (a14, b2, c2, d11), (a1
4, b2, c2, d12), (a14, b2, c2, d13), (a14, b2, c2, d14), (a14, b2, c2, d15), (a1
4, b2, c2, d16), (a14, b2, c2, d17), (a14, b2, c2, d18), (a14, b2, c2, d19), (a1
4, b2, c2, d20), (a14, b2, c2, d21), (a14, b2, c2, d22), (a14, b2, c3 , d1), (a1
4, b2, c3, d2), (a14, b2, c3, d3), (a14, b2, c3, d4), (a14, b2, c3, d5), (a14, b
2, c3, d6), (a14, b2, c3, d7), (a14, b2, c3, d8), (a14, b2, c3, d9), (a14, b2, c
3, d10), (a14, b2, c3, d11), (a14, b2, c3, d12), (a14, b2, c3, d13), (a14, b2, c
3, d14), (a14, b2, c3, d15), (a14, b2, c3, d16), (a14, b2, c3, d17), (a14, b2,
c3, d18), (a14, b2, c3, d19), (a14, b2, c3, d20), (a14, b2, c3, d21), (a14, b2,
c3, d22), (a14, b3, c1, d1), (a14, b3, c1, d2), (a14, b3, c1, d3), (a14, b3, c1,
d4), (a14, b3, c1, d5) , (a14, b3, c1, d6), (a14, b3, c1, d7), (a14, b3, c1, d8
), (a14, b3, c1, d9), (a14, b3, c1, d10), (a14, b3, c1, d11), (a14, b3, c1, d12)
, (a14, b3, c1, d13), (a14, b3, c1, d14), (a14, b3, c1, d15), (a14, b3, c1, d16)
, (a14, b3, c1, d17), (a14, b3, c1, d18) , (a14, b3, c1, d19), (a14, b3, c1, d20
), (a14, b3, c1, d21), (a14, b3, c1, d22), (a14, b3, c2, d1), (a14, b3, c2, d2),
(a14, b3, c2, d3), (a14, b3, c2, d4), (a14, b3, c2, d5), (a14, b3, c2, d6), (a1
4, b3, c2, d7), (a14, b3, c2, d8), (a14, b3, c2, d9), (a1 4, b3, c2, d10), (a14,

b3, c2, d11), (a14, b3, c2, d12), (a14, b3, c2, d13), (a14, b3, c2, d14), (a14, b3, c2, d15), (a14, b3, c2, d16), (a14, b3, c2, d17), (a14, b3, c2, d18), (a14, b3, c2, d19), (a14, b3, c2, d20), (a14, b3, c2, d21), (a14, b3, c2, d22), (a14, b3, c3, d1), (a14, b3, c3, d2), (a14, b3, c3, d3), (a14, b3, c3, d4), (a14, b3, c3, d5), (a14, b3, c3, d6), (a14, b3, c3, d7), (a14, b3, c3, d8), (a14, b3, c3, d9), (a14, b3, c3, d10), (a14, b3, c3, d11), (a14, b3, c3, d12), (a14, b3, c3, d13), (a14 , b3, c3, d14), (a14, b3, c3, d15), (a14, b3, c3, d16), (a14, b3, c3, d17), (a14, b3, c3, d18), (a14, b3, c3, d19), (a14, b3, c3, d20), (a14, b3, c3, d21), (a14, b3, c3, d22), (a14, b4, c1, d1), (a14, b4, c1, d2), (a14, b4, c1, d3), (a14, b4, c1, d4), (a14 , b4, c1, d5), (a14, b4, c1, d6), (a14, b4, c1, d7), (a14, b4, c1, d8), (a14, b4, c1, d9), (a14, b4, c1, d10), (a14, b4, c1, d11), (a14, b4, c1, d12), (a14, b4, c1, d13), (a14, b4, c1, d14), (a14, b4, c1, d15), (a14, b4, c1, d16), (a14, b4, c1, d17), (a14, b4, c1, d18), (a14, b4, c1, d19), (a14, b4, c1, d20), (a14, b4, c1, d21), (a14, b4, c1, d22), (a14, b4, c2, d1), (a14, b4, c2, d2), (a14, b4, c2, d3), (a14, b4, c2, d4), (a14, b4, c2, d5), (a14, b4, c2, d6), (a14, b4, c2, d7), (a14, b4, c2, d8), (a14, b4, c2, d9), (a14, b4, c2, d10), (a14, b4, c2, d11), (a14, b4, c2, d12), (a14, b4, c2, d13), (a14, b4, c2, d14), (a14, b4, c2, d15), (a14, b4, c2, d16), (a14, b4, c2, d17), (a14, b4, c2, d18), (a14, b4, c2, d19), (a14, b4, c2, d20), (a14, b4, c2, d21), (a14, b4, c2, d22), (a14, b4, c3, d1), (a14, b4, c3, d2), (a14, b4, c3, d3), (a14, b4, c3, d4), (a14, b4, c3, d5), (a14, b4, c3, d6), (a14, b4, c3, d7), (a14, b4, c3, d8), (a14, b4, c3, d9), (a14, b4, c3, d10), (a14, b4, c3, d11), (a14, b4, c3, d12), (a14, b4, c 3, d13), (a14, b4, c3, d14), (a14, b4, c3, d15), (a14, b4, c3, d16), (a14, b4, c3, d17), (a14, b4, c3, d18), (a14, b4, c3, d19), (a14, b4, c3, d20), (a14, b4, c3, d21), (a14, b4, c3, d22), (a14, b5, c1, d1), (a14, b5, c1, d2), (a14, b5, c1, d3), (a14, b5, c1, d4), (a14, b5, c1, d5), (a14, b5, c1, d6), (a14, b5, c1, d7), (a14, b5, c1, d8), (a14, b5, c1, d9), (a14, b5, c1, d10), (a14, b5, c1, d11), (a14, b5, c1, d12), (a14, b5, c1, d13), (a14, b5, c1, d14), (a14, b5, c1, d15), (a14, b5, c1, d16), (a14, b5, c1 , d17), (a14, b5, c1, d18), (a14, b5, c1, d19), (a14, b5, c1, d20), (a14, b5, c1, d21), (a14, b5, c1, d22), (a14, b5, c2, d1), (a14, b5, c2, d2), (a14, b5, c2, d3), (a14, b5, c2, d4), (a14, b5, c2, d5), (a14, b5, c2, d6), (a14, b5, c2, d7), (a14, b5, c2, d 8), (a14, b5, c2, d9), (a14, b5, c2, d10), (a14, b5, c2, d11), (a14, b5, c2, d12), (a14, b5, c2, d13), (a14, b5, c2, d14), (a14, b5, c2, d15), (a14, b5, c2, d16), (a14, b5, c2, d17), (a14, b5, c2, d18), (a14, b5, c2, d19), (a14, b5, c2, d20), (a14, b5, c2, d21), (a14, b5, c2, d22), (a14, b5, c3, d1), (a14, b5, c3, d2), (a14, b5, c3, d3), (a14, b5, c3, d4), (a14, b5, c3, d5), (a14, b5, c3, d6), (a14, b5, c3, d7), (a14, b5, c3, d8), (a14, b5, c3, d9), (a14, b5, c3, d10), (a14, b5, c3, d11), (a14, b5, c3, d12) , (a14, b5, c3, d13), (a14, b5, c3, d14), (a14, b5, c3, d15), (a14, b5, c3, d16), (a14, b5, c3, d17), (a14, b5, c3, d18), (a14, b5, c3, d19), (a14, b5, c3, d20), (a14, b5, c3, d21), (a14, b5, c3, d22), (a14, b6, c1, d1), (a14, b6, c1, d2), (a14, b6, c1, d3), (a14, b6, c1, d4), (a14, b6, c1, d5), (a14, b6, c1, d6), (a14, b6, c1, d7), (a14, b6, c1, d8), (a14, b6, c1, d9), (a14, b6, c1, d10), (a14, b6, c1, d11), (a14, b6, c1, d12), (a14, b6, c1, d13), (a14, b6, c1, d14), (a14, b6, c1, d15), (a14, b6, c1, d16), (a14, b6, c1, d17), (a14, b6, c1, d18), (a14, b6, c1, d19), (a14, b6, c1, d20), (a14, b6, c1, d21), (a14, b6, c1, d22), (a14, b6, c2, d1), (a14, b6, c2, d2), (a14, b6, c2, d3), (a14, b6, c2, d4), (a14, b6, c2, d5), (a14, b6, c2, d6), (a14, b6, c2, d7), (a 14, b6, c2, d8), (a14, b6, c2, d9), (a14, b6, c2, d10), (a14, b6, c2, d11), (a14, b6, c2,

d12), (a14, b6, c2, d13), (a14, b6, c2, d14), (a14, b6, c2, d15), (a14, b6, c2, d16), (a14, b6, c2, d17), (a14, b6, c2, d18), (a14, b6, c2, d19), (a14, b6, c2, d20), (a14, b6, c2, d21), (a14, b6, c2, d22), (a14, b6, c3, d1), (a14, b6, c3, d2), (a14, b6, c3, d3), (a14, b6, c3, d4), (a14, b6, c3, d5), (a14, b6, c3, d6), (a14, b6, c3, d7), (a14, b6, c3, d8), (a14, b6, c3, d9), (a14, b6, c3, d10), (a14, b6, c3, d11), (a14, b6, c3, d12), (a14, b6, c3, d13), (a14, b6, c3, d14), (a14, b6, c3, d15), (a14, b6, c3, d16), (a14, b6, c3, d17), (a14, b6, c3, d18), (a14, b6, c3, d19), (a14, b6, c3, d20), (a14, b6, c3, d21), (a14, b6, c3, d22), (a15, b1, c1, d1), (a15, b1, c1, d2), (a15, b1, c1, d3), (a15, b1, c1, d4), (a15, b1, c1, d5), (a15, b1, c1, d6), (a15, b1, c1, d7), (a15, b1, c1, d8), (a15, b1, c1, d9), (a15, b1, c1, d10), (a15, b1, c1, d11), (a15, b1, c1, d12), (a15, b1, c1, d13), (a15, b1, c1, d14), (a15, b1, c1, d15), (a15, b1, c1, d16), (a15, b1, c1, d17), (a15, b1, c1, d18), (a15, b1, c1, d19), (a15, b1, c1, d20), (a15, b1, c1, d21), (a15, b1, c1, d22), (a15, b1, c2, d1), (a15, b1, c2, d2), (a15, b1, c2, d3), (a15, b1, c2, d4), (a15, b1, c2, d5), (a15, b1, c2, d6), (a15, b1 , c2, d7), (a15, b1, c2, d8), (a15, b1, c2, d9), (a15, b1, c2, d10), (a15, b1, c2, d11), (a15, b1, c2, d12), (a15, b1, c2, d13), (a15, b1, c2, d14), (a15, b1, c2, d15), (a15, b1, c2, d16), (a15, b1, c2, d17), (a15, b1, c2, d18), (a15, b1, c2, d19), (a15, b 1, c2, d20), (a15, b1, c2, d21), (a15, b1, c2, d22), (a15, b1, c3, d1), (a15, b1, c3, d2), (a15, b1, c3, d3), (a15, b1, c3, d4), (a15, b1, c3, d5), (a15, b1, c3, d6), (a15, b1, c3, d7), (a15, b1, c3, d8), (a15, b1, c3, d9), (a15, b1, c3, d10), (a15, b1, c3 , d11), (a15, b1, c3, d12), (a15, b1, c3, d13), (a15, b1, c3, d14), (a15, b1, c3, d15), (a15, b1, c3, d16), (a15, b1, c3, d17), (a15, b1, c3, d18), (a15, b1, c3, d19), (a15, b1, c3, d20), (a15, b1, c3, d21), (a15, b1, c3, d22), (a15, b2, c1, d1), (a15, b2, c1, d2), (a15, b2, c1, d3), (a15, b2, c1, d4), (a15, b2, c1, d5), (a15, b2, c1, d6), (a15, b2, c1, d7), (a15, b2, c1, d8), (a15, b2, c1, d9), (a15, b2, c1, d10), (a15, b2, c1, d11), (a15, b2, c1, d12), (a15, b2, c1, d13), (a15, b2, c1, d14), (a15, b2, c1, d15), (a15, b2, c1, d16), (a15, b2, c1, d17), (a15, b2, c1, d18), (a15, b2, c1, d19), (a15, b2, c1, d20), (a15, b2, c1, d21), (a15, b2, c1, d22), (a15, b2, c2, d1), (a15, b2, c2, d2), (a15, b2, c2, d3), (a15, b2, c2, d4), (a15, b2, c2, d5), (a15, b2, c2, d6), (a15, b2, c2, d7), (a15, b2, c2, d8), (a15, b2, c2, d9), (a15, b2, c2, d10), (a15, b2, c2, d11), (a15, b2, c2, d12), (a15, b2, c2, d13), (a15, b2, c2, d14), (a15, b2, c2, d15), (a15, b2, c2, d16), (a15, b2, c2, d17), (a15, b2, c2, d18), (a15, b2, c2, d19), (a15, b2, c2, d20), (a15, b2, c2, d21), (a15, b2, c2, d22), (a15, b2, c3, d1), (a15, b2, c3, d2), (a15, b2, c3, d3), (a15, b2, c3, d4), (a15, b2, c3, d5), (a15, b2, c3, d6), (a15, b2, c3, d7), (a15, b2, c3, d8), (a15, b2, c3, d9), (a15, b2, c3, d10), (a15, b2, c3, d11), (a15, b2, c3, d12), (a15, b2, c3, d13), (a15, b2, c3, d14), (a15, b2, c3, d15), (a15, b2, c3, d16), (a15, b2, c3, d17), (a15, b2, c3, d18), (a15, b2, c3, d19), (a15, b2, c3, d20), (a15, b2, c3, d21), (a15, b2, c3, d22), (a15, b3, c1, d 1), (a15, b3, c1, d2), (a15, b3, c1, d3), (a15, b3, c1, d4), (a15, b3, c1, d5), (a15, b3, c1, d6), (a15, b3, c1, d7), (a15, b3, c1, d8), (a15, b3, c1, d9), (a15, b3, c1, d10), (a15, b3, c1, d11), (a15, b3, c1, d12), (a15, b3, c1, d13), (a15, b3, c1, d14), (a15, b3, c1, d15), (a15, b3, c1, d16), (a15, b3, c1, d17), (a15, b3, c1, d18), (a15, b3, c1, d19), (a15, b3, c1, d20), (a15, b3, c1, d21), (a15, b3, c1, d22), (a15, b3, c2, d1), (a15, b3, c2, d2), (a15, b3, c2, d3), (a15, b3, c2, d4), (a15, b3, c2, d5), (a15, b3, c2, d6), (a15, b3, c2, d7), (a15, b3, c2, d8), (a15, b3, c2, d9), (a15, b3, c2, d10), (a15, b3, c2, d11), (a15, b3, c2, d12), (a15, b3, c2, d13), (a15, b3, c2, d14), (a15, b3, c2, d15), (a15, b3, c2, d16), (a15, b3, c2, d17), (a15,

b3, c2, d18), (a15, b3, c2, d19), (a15, b3, c2, d20), (a15, b3, c2, d21), (a15, b3, c2, d22), (a15, b3, c3, d1), (a15, b3, c3, d2), (a15, b3, c3, d3), (a15, b3, c3, d4), (a15, b3, c3, d5), (a15, b3, c3, d6), (a15, b3, c3, d7), (a15, b3, c3, d8), (a15, b3, c3, d9), (a15, b3, c3, d10), (a15, b3, c3, d11), (a15, b3, c3, d12), (a15, b3, c3, d13), (a15, b3, c3, d14), (a15, b3, c3, d15), (a15, b3, c3, d16), (a15, b3, c3, d17), (a15, b3, c3, d18), (a15, b3, c3, d19), (a15, b3, c3, d20), (a15, b3, c3, d21), (a15, b3, c3, d22), (a 15, b4, c1, d1), (a15, b4, c1, d2), (a15, b4, c1, d3), (a15, b4, c1, d4), (a15, b4, c1, d5), (a15, b4, c1, d6), (a15, b4, c1, d7), (a15, b4, c1, d8), (a15, b4, c1, d9), (a15, b4, c1, d10), (a15, b4, c1, d11), (a15, b4, c1, d12), (a15, b4, c1, d13), (a15, b 4, c1, d14), (a15, b4, c1, d15), (a15, b4, c1, d16), (a15, b4, c1, d17), (a15, b4, c1, d18), (a15, b4, c1, d19), (a15, b4, c1, d20), (a15, b4, c1, d21), (a15, b4, c1, d22), (a15, b4, c2, d1), (a15, b4, c2, d2), (a15, b4, c2, d3), (a15, b4, c2, d4), (a15, b 4, c2, d5), (a15, b4, c2, d6), (a15, b4, c2, d7), (a15, b4, c2, d8), (a15, b 4, c2, d9), (a15, b4, c2, d10), (a15, b4, c2, d11), (a15, b4, c2, d12), (a15, b4, c2, d13), (a15, b4, c2, d14), (a15, b4, c2, d15), (a15, b4, c2, d16), (a15, b4, c2, d17), (a15, b4 , c2, d18), (a15, b4, c2, d19), (a15, b4, c2, d20), (a15, b 4, c2, d21), (a15, b4, c2, d22), (a15, b4, c3, d1), (a15, b4, c3, d2), (a15, b4, c3, d3), (a15, b4, c3, d4), (a15, b4, c3, d5), (a15, b4, c3, d6), (a15, b4, c3, d7), (a15, b4, c3, d8), (a15, b4, c3 , d9), (a15, b4, c3, d10), (a15, b4, c3, d 11), (a15, b4, c3, d12), (a15, b4, c3, d13), (a15, b4, c3, d14), (a15, b4, c3, d 15), (a15, b4, c3, d16), (a15, b4, c3, d17), (a15, b4, c3, d18), (a15, b4, c3, d 19), (a15, b4, c3, d20), (a15, b4, c3, d21), (a15, b4, c3, d22), (a15, b5, c1, d1), (a15, b5, c1, d2), (a15, b5, c1, d3), (a15, b5, c1, d4), (a15, b5, c1, d5), (a15, b5, c1, d6), (a15, b5, c1, d7), (a15, b5, c1, d8), (a15, b5, c1, d9), (a1 5, b5, c1, d10), (a15, b5, c1, d11), (a15, b5, c1, d12), (a15, b5, c1, d13), (a1 5, b5, c1, d14), (a15, b5, c1, d15), (a15, b5, c1, d16), (a15, b5, c1, d17), (a1 5, b5, c1, d18), (a15, b5, c1, d19), (a15, b5, c1, d20), (a15, b5, c1, d21), (a1 5, b5, c1, d22), (a15, b5, c2, d1), (a15, b5, c2, d2), (a15, b5, c2, d3), (a15, b5, c2, d4), (a15, b5, c2, d5), (a15, b5, c2, d6), (a15, b5, c2, d7), (a15, b5, c2, d8), (a15, b5, c2, d9), (a15, b5, c2, d10), (a15, b5, c2, d11), (a15, b5, c 2, d12), (a15, b5, c2, d13), (a15, b5, c2, d14), (a15, b5, c2, d15), (a15, b5, c 2, d16), (a15, b5, c2, d 17), (a15, b5, c2, d18), (a15, b5, c2, d19), (a15, b5, c2, d20), (a15, b5, c2, d21), (a15, b5, c2, d22), (a15, b5, c3, d1), (a15, b5, c 3, d2), (a15, b5, c3, d3), (a15, b5, c3, d4), (a15, b5, c3, d5), (a15, b5, c3, d 6), (a15, b5, c3, d7), (a15, b5, c3, d8), (a15, b5, c3, d9), (a15, b5, c3, d10), (a15, b5, c3, d11), (a15, b5, c3, d12), (a15, b5, c3, d13), (a15, b5, c3, d14), (a15, b5, c3, d15), (a15, b5, c3, d16), (a15, b5, c3, d17), (a15, b5, c3, d18), (a15, b5, c3, d19), (a15, b5, c3, d20), (a15, b5, c3, d2 1), (a15, b5, c3, d22), (a15, b6, c1, d1), (a15, b6, c1, d2), (a15, b6, c1, d3), (a15, b6, c1, d4), (a15, b6, c1, d5), (a15, b6, c1, d6), (a15, b6, c1, d7), (a15, b6, c1, d8), (a15, b6, c1, d9), (a15, b6, c1, d10), (a15, b6, c1, d11), (a15, b6, c1, d12), (a15, b6, c1, d13), (a15, b6, c1, d14), (a15, b6, c1, d15), (a15, b6, c1, d16), (a15, b6, c1, d17), (a15, b6, c1, d18), (a15, b6, c1, d19), (a15, b6, c1, d20), (a15, b6, c1, d21), (a15, b6, c1, d22), (a15, b6, c2, d1), (a15, b6, c2, d2), (a15, b 6, c2, d3), (a15, b6, c2, d4), (a15, b6, c2, d5), (a15, b6, c2, d6), (a15, b6, c 2, d7), (a15, b6, c2, d8), (a15, b6, c2, d9), (a15, b6, c2, d10), (a15, b6, c2, d11), (a15, b6, c2, d12), (a15, b6, c2, d13), (a15, b6, c2, d14), (a15, b6, c2, d15), (a15, b6, c2, d16), (a 15, b6, c2, d17), (a15, b6, c2, d18), (a15, b6, c2,

d19), (a15, b6, c2, d20), (a15, b6, c2, d21), (a15, b6, c2, d22), (a15, b6, c3, d1), (a15, b6, c3, d2), (a15, b6, c3, d3), (a15, b6, c3, d4), (a15, b6, c3, d5), (a15, b6, c3, d6), (a15, b6, c3, d7), (a15, b6, c3, d8), (a15, b6, c3, d9), (a15, b6, c3, d10), (a15, b6, c3, d11), (a15, b6, c3, d12), (a15, b6, c3, d13), (a15, b6, c3, d14), (a15, b6, c3, d15), (a15, b6, c3, d16), (a15, b6, c3, d17), (a15, b6, c3, d18), (a15, b6, c3, d19), (a15, b6, c3, d20), (a1 5, b6, c3, d21), (a15, b6, c3, d22), (a16, b1, c1, d1), (a16, b1, c1, d2), (a16, b1, c1, d3), (a16, b1, c1, d4), (a16, b1, c1, d5), (a16, b1, c1, d6), (a16, b1, c1, d7), (a16, b1, c1, d8), (a16, b1, c1, d9), (a16, b1, c1, d10), (a16, b1, c1, d11), (a16, b1, c1, d12), (a16, b1, c1, d13), (a16, b1, c1, d14), (a16, b1, c1, d15), (a16, b1, c1, d16), (a16, b1, c1, d17), (a16, b1, c1, d18), (a16, b1, c1, d19), (a16, b1, c1, d20), (a16, b1, c1, d21), (a16, b1, c1, d22), (a16, b1, c2, d1), (a16, b1, c2, d2), (a16, b1, c2, d3), (a16, b1, c2, d4), (a16, b1, c2, d5), (a16, b1, c2, d6), (a16, b1, c2, d7), (a16, b1, c2, d8), (a16, b1, c2, d9), (a16, b1, c2, d10), (a16, b1, c2, d11), (a16, b1, c2, d12), (a16, b1, c2, d13), (a16, b1, c2, d14), (a16, b1, c2, d15), (a16, b1, c2, d16), (a16, b1, c2, d17), (a16, b1, c2, d18), (a16, b1, c2, d19), (a16, b1, c2, d20), (a16, b1, c2, d21), (a16, b1, c2, d22), (a16, b1, c3, d1), (a16, b1, c3, d2), (a16, b1, c3, d3), (a16, b1, c3, d4), (a16, b1, c3, d5), (a16, b1, c3, d6), (a16, b1, c 3, d7), (a16, b1, c3, d8), (a16, b1, c3, d9), (a16, b1, c3, d10), (a16, b1, c3, d11), (a16, b1, c3, d12), (a16, b1, c3, d13), (a16, b1, c3, d14), (a16, b1, c3, d15), (a16, b1, c3, d16), (a16, b1, c3, d17), (a16, b1, c3, d18), (a16, b1, c3, d19), (a16, b1, c3, d20), (a16, b1, c3, d21), (a16, b1, c3, d22), (a16, b2, c1, d1), (a16, b2, c1, d2), (a16, b2, c1, d3), (a16, b2, c1, d4), (a16, b2, c1, d5), (a16, b2, c1, d6), (a16, b2, c1, d7), (a16, b2, c1, d8), (a16, b2, c1, d9), (a16, b2, c1, d10), (a16, b2, c1, d 11), (a16, b2, c1, d12), (a16, b2, c1, d13), (a16, b2, c1, d14), (a16, b2, c1, d15), (a16, b2, c1, d16), (a16, b2, c1, d17), (a16, b2, c1, d18), (a16, b2, c1, d19), (a16, b2, c1, d20), (a16, b2, c1, d21), (a16, b2, c1, d22), (a16, b2, c2, d1), (a16, b2, c2 , d2), (a16, b2, c2, d3), (a16, b2, c2, d4), (a16, b2, c2, d5), (a16, b2, c2, d6), (a16, b2, c2, d7), (a16, b2, c2, d8), (a16, b2, c2, d9), (a16, b2, c2, d10), (a16, b2, c2, d11), (a16, b2, c2, d12), (a16, b2, c2, d13), (a16, b2, c2, d14), (a16, b2, c2, d1 5), (a16, b2, c2, d16), (a16, b2, c2, d17), (a16, b2, c2, d18), (a16, b2, c2, d19), (a16, b2, c2, d20), (a16, b2, c2, d21), (a16, b2, c2, d22), (a16, b2, c3, d1), (a16, b2, c3, d2), (a16, b2, c3, d3), (a16, b2, c3, d4), (a16, b2, c3, d5), (a16, b2, c3, d6) , (a16, b2, c3, d7), (a16, b2, c3, d8), (a16, b2, c3, d9), (a16, b2, c3, d10), (a16, b2, c3, d11), (a16, b2, c3, d12), (a16, b2, c3, d13), (a16, b2, c3, d14), (a16, b2, c3, d15), (a16, b2, c3, d16), (a16, b2, c3, d17), (a16, b2, c3, d18), (a16, b2, c3, d19), (a16, b2, c3, d20), (a16, b2, c3, d21), (a16, b2, c3, d22), (a16, b3, c1, d1), (a16, b3, c1, d2), (a16, b3, c1, d3), (a16, b3, c1, d4), (a16, b3, c1, d5), (a16, b3, c1, d6), (a16, b3, c1, d7), (a16, b3, c1, d8), (a16, b3, c1, d9), (a16, b3, c1, d1 0), (a 16, b3, c1, d11), (a16, b3, c1, d12), (a16, b3, c1, d13), (a16, b3, c1, d 14), (a16, b3, c1, d15), (a16, b3, c1, d16), (a16, b3, c1, d17), (a16, b3, c1, d 18), (a16, b3, c1, d19), (a16, b3, c1, d20), (a16, b3, c1, d21), (a16, b3, c1, d 22), (a16, b3, c2, d1), (a16, b3, c2, d2), (a16, b3, c2, d3), (a16, b3, c2, d4), (a16, b3, c2, d5), (a16, b3, c2, d6), (a16, b3, c2, d7), (a16, b3, c2, d8), (a 16, b3, c2, d9), (a16, b3, c2, d10), (a16, b3, c2, d11), (a16, b3, c2, d12), (a1 6, b3, c2, d13), (a16, b3, c2, d14), (a1 6, b3, c2, d15), (a16, b3, c2, d16), (a 16, b3, c2, d17), (a16, b3, c2, d18), (a16, b3, c2, d19), (a16, b3, c2, d20), (a 16, b3, c2, d21), (a16, b3, c2, d22), (a16, b3, c3, d1), (a16, b3, c3, d2), (a16

, b3, c3, d3), (a16, b3, c3, d4), (a16, b3, c3, d5), (a16 , b3, c3, d6), (a16, b 3, c3, d7), (a16, b3, c3, d8), (a16, b3, c3, d9), (a16, b3, c3, d10), (a16, b3, c3, d11), (a16, b3, c3, d12), (a16, b3, c3, d13), (a16, b3, c3, d14), (a16, b3, c3, d15), (a16, b3, c3, d16), (a16, b3, c3, d17), (a16, b3, c3, d18), (a16 , b3, c3, d19), (a16, b3, c3, d20), (a16, b3, c3, d21), (a16, b3, c3, d22), (a16, b4, c1, d1), (a16, b4, c1, d2), (a16, b4, c1, d3), (a16, b4, c1, d4), (a16, b4, c1, d5), (a16, b4, c1, d6), (a16, b4, c1, d7), (a16, b4, c1, d8), (a16, b4, c1, d9) , (a16, b4, c1, d10), (a16, b4, c1, d11), (a16, b4, c1, d12), (a16, b4, c1, d13), (a16, b4, c1, d14), (a16, b4, c1, d15), (a16, b4, c1, d16), (a16, b4, c1, d17), (a16, b4, c1, d18), (a16, b4, c1, d19), (a16, b4, c1, d20), (a16, b4, c1, d21), (a16, b4, c1, d22), (a16, b4, c2, d1), (a16, b4, c2, d2), (a16, b4, c2, d3), (a16, b4, c2, d4), (a16, b4, c2, d5), (a16, b4, c2, d6), (a16, b4, c2, d7), (a1 6, b4, c2, d8), (a16, b4, c2, d9), (a16, b4, c2, d10), (a16, b4, c2, d11), (a16, b4, c2, d12), (a16, b4, c2, d13), (a16, b4, c2, d14), (a16, b4, c2, d15), (a16, b4, c2, d16), (a16, b4, c2, d17), (a16, b4, c2, d18), (a16, b4, c2, d19), (a16, b4, c2, d20), (a16, b4, c2, d21), (a16, b4, c2, d22), (a16, b4, c3, d1), (a16, b4, c3, d2), (a16, b4, c3, d3), (a16, b4, c3, d4), (a16, b4, c3, d5), (a16, b4, c3, d6), (a16, b4, c3, d7), (a16, b4, c3, d8), (a16, b4, c3, d9), (a16, b4, c3, d10), (a16, b4, c3, d11), (a16, b4, c3, d12), (a16, b4, c3, d13), (a16, b4, c3, d14), (a16, b4, c3, d15), (a16, b4, c3, d16), (a16, b4, c3, d17), (a16, b4, c 3, d18), (a16, b4, c3, d19), (a16, b4, c3, d20), (a16, b4, c3, d21), (a16, b4, c3, d22), (a16, b5, c1, d1), (a16, b5, c1, d2), (a16, b5, c1, d3), (a16, b5, c1, d4), (a16, b5, c1, d5), (a16, b5, c1, d6), (a16, b5, c1, d7), (a16, b5, c1, d8), (a16, b5, c1, d 9), (a16, b5, c1, d10), (a16, b5, c1, d11), (a16, b5, c1, d12), (a16, b5, c1, d13), (a16, b5, c1, d14), (a16, b5, c1, d15), (a16, b5, c1, d16), (a16, b5, c1, d17), (a16, b5, c1, d18), (a16, b5, c1, d19), (a16, b5, c1, d20), (a16, b5, c1, d21), (a16, b5, c1 , d22), (a16, b5, c2, d1), (a16, b5, c2, d2), (a 16, b5, c2, d3), (a16, b5, c2, d4), (a16, b5, c2, d5), (a16, b5, c2, d6), (a16, b5, c2, d7), (a16, b5, c2, d8), (a16, b5, c2, d9), (a16, b5, c2, d10), (a16, b5, c2, d11), (a16, b5, c2, d12), (a16, b5, c2, d13), (a16, b5, c2, d14), (a16, b5 , c2, d15), (a16, b5, c2, d16), (a16, b5, c2, d17), (a16, b5, c2, d18), (a16, b5 , c2, d19), (a16, b5, c2, d20), (a16, b5, c2, d21), (a16, b5, c2, d22), (a16, b5 , c3, d1), (a16, b5, c3, d2), (a16, b5, c3, d3), (a16, b5, c3, d4), (a16, b5, c 3, d5), (a16, b5, c3, d6), (a16, b5, c3, d7), (a16, b5, c3, d8), (a16, b5, c3, d 9), (a16, b5, c3, d10), (a16, b5, c3, d11), (a16, b5, c3, d12), (a16, b5, c3, d1 3), (a16, b5, c3, d14), (a16, b5, c3, d15), (a16, b5, c3, d16), (a16, b5, c3, d1 7) , (a16, b5, c3, d18), (a16, b5, c3, d19), (a16, b5, c3, d20), (a16, b5, c3, d 21), (a16, b5, c3, d22), (a16, b6, c1, d1), (a16, b6, c1, d2), (a16, b6, c1, d3) , (a16, b6, c1, d4), (a16, b6, c1, d5), (a16, b6, c1, d6), (a16, b6, c1, d7), (a 16, b6, c1, d8), (a 16, b6, c1, d9), (a16, b6, c1, d10), (a16, b6, c1, d11), (a1 6, b6, c1, d12), (a16, b6, c1, d13), (a16, b6, c1, d14), (a16, b6, c1, d15), (a1 6, b6, c1, d16), (a16, b6, c1, d17), (a16, b6, c1, d18), (a16, b6, c1, d19), (a1 6, b6, c1, d20), (a16, b6, c1, d21), (a16, b6, c1, d22), (a16, b6, c2, d1), (a1 6, b6, c2, d2), (a16, b6, c2, d3), (a16, b6, c2, d4), (a16, b6, c2, d5), (a16, b 6, c2, d6), (a16, b6, c2, d7), (a16, b6, c2, d8), (a16, b6, c2, d9), (a16, b6, c 2, d10), (a16, b6, c2, d11), (a16, b6, c2, d12), (a16 , b6, c2, d13), (a16, b6, c2, d14), (a16, b6, c2, d15), (a16, b6, c2, d16), (a16, b6, c2, d17), (a16, b6, c2, d18), (a16, b6, c2, d19), (a16, b6, c2, d20), (a16, b6, c2, d21), (a16, b6, c2, d22), (a16, b6, c3, d1), (a16, b6, c3, d2), (a16, b6, c3, d3), (a1 6, b6, c3 , d4), (a16, b6, c3, d5), (a16, b6, c3, d6), (a16, b6, c3, d7), (a16, b6, c3, d8

), (a16, b6, c3, d9), (a16, b6, c3, d10), (a16, b6, c3, d11), (a16, b6, c3, d12)
, (a16, b6, c3, d13), (a16, b6, c3, d14), (a16, b6, c3, d15), (a16, b6, c3, d16)
, (a16, b6, c3, d17), (a16, b6, c3, d18), (a16, b6, c3, d19), (a16, b6, c3, d20
), (a16, b6, c3, d21), (a16, b6, c3, d22), (a17, b1, c1, d1), (a17, b1, c1, d2),
(a17, b1, c1, d3), (a17, b1, c1, d4), (a17, b1, c1, d5), (a17, b1, c1, d6), (a1
7, b1, c1, d7), (a17, b1 , c1, d8), (a17, b1, c1, d9), (a17, b1, c1, d10), (a17,
b1, c1, d11), (a17, b1, c1, d12), (a17, b1, c1, d13), (a17, b1, c1, d14), (a17,
b1, c1, d15), (a17, b1, c1, d16), (a17, b1, c1, d17), (a17, b1, c1, d18), (a17,
b1, c1, d19), (a17, b1, c1, d20), (a17, b1, c1, d21), (a17, b1, c1, d22), (a17,
b1, c2, d1), (a17, b1, c2, d2), (a17, b1, c2, d3), (a17, b1, c2, d4), (a17, b1,
c2, d5), (a17, b1, c2, d6), (a17, b1, c2, d7), (a17, b1, c2, d8), (a17, b1, c2,
d9), (a17, b1, c2, d10), (a17, b1, c2, d11), (a17, b1, c 2, d12), (a17, b1, c2,
d13), (a17, b1, c2, d14), (a17, b1, c2, d15), (a17, b1, c2, d16), (a17, b1, c2,
d17), (a17, b1, c2, d18), (a17, b1, c2, d19), (a17, b1, c2, d20), (a17, b1, c2,
d21), (a17, b1, c2, d22), (a17, b1, c3, d1), (a17, b1, c3, d2), (a17, b1, c3,
d3), (a17, b1, c3, d4), (a17, b1, c3, d5), (a17, b1, c3, d6), (a17, b1, c3, d7),
(a17, b1, c3, d8), (a17, b1, c3, d9), (a17, b1, c3, d10), (a17, b1, c3, d11), (
a17, b1, c3, d12), (a17, b1, c3, d13), (a17, b1, c3, d14), (a17, b1, c3, d15), (
a17, b1, c3 , d16), (a17, b1, c3, d17), (a17, b1, c3, d18), (a17, b1, c3, d19),
(a17, b1, c3, d20), (a17, b1, c3, d21), (a17, b1, c3, d22), (a17, b2, c1, d1), (
a17, b2, c1, d2), (a17, b2, c1, d3), (a17, b2, c1, d4), (a17, b2, c1, d5), (a17,
b2, c1, d6), (a17, b2, c1, d7), (a17, b2, c1, d8), (a17, b2, c1, d9), (a17, b2,
c1, d10), (a17, b2, c1, d11), (a17, b2, c1, d12), (a17, b2, c1, d13), (a17, b2,
c1, d14), (a17, b2, c1, d15), (a17, b2, c1, d16), (a17, b2, c1, d17), (a17, b2,
c1, d18), (a17, b2, c1, d19), (a17, b2, c1, d20), (a17, b2, c1, d21), (a17, b2
, c1, d22), (a17, b2, c2, d1), (a17, b2, c2, d2), (a17, b2, c2, d3), (a17, b2, c
2, d4), (a17, b2, c2, d5), (a17, b2, c2, d6), (a17, b2, c2, d7), (a17, b2, c2, d
8), (a17, b2, c2, d9), (a17, b2, c2, d10), (a17, b2, c2, d11) , (a17, b2, c2, d1
2
), (a17, b2, c2, d13), (a17, b2, c2, d14), (a17, b2, c2, d15), (a17, b2, c2, d16
), (a17, b2, c2, d17), (a17, b2, c2, d18), (a17, b2, c2, d19), (a17, b2, c2, d20
), (a17, b2, c2, d21), (a17, b2, c2, d22), (a17, b2, c3, d1), (a17, b2, c3, d 2)
, (a17, b2, c3, d3), (a17, b2, c3, d4), (a17, b2, c3, d5), (a17, b2, c3, d6), (a
17, b2, c3, d7), (a17, b2, c3, d8), (a17, b2, c3, d9), (a17, b2, c3, d10), (a17,
b2, c3, d11), (a17, b2, c3, d12), (a17, b2, c3, d13), (a17, b2, c3, d14), (a17,
b2, c3, d15), (a17, b2, c3, d16), (a17, b2, c3, d17), (a17, b2, c3, d18), (a17
, b2, c3, d19), (a17, b2, c3, d20), (a17, b2, c3, d21), (a17, b2, c3, d22), (a17
, b3, c1, d1), (a17, b3, c1, d2), (a17, b3, c1, d3), (a17, b3, c1, d4), (a17, b3
, c1, d5), (a17, b3, c1, d6), (a17, b3, c1, d7), (a17, b3, c1, d8), (a17, b3, c
1, d9), (a17, b3, c1, d10), (a17, b3, c1, d11), (a17, b3, c1, d12), (a17, b3, c1
, d13), (a17, b3, c1, d14), (a17, b3, c1, d15), (a17, b3, c1, d16), (a17, b3, c1
, d17), (a17, b3, c1, d18), (a17, b3, c1, d19), (a17, b3, c1, d20), (a17, b3, c1
, d21), (a17, b3, c1, d22), (a17, b3, c2, d1), (a17, b3, c2, d2), (a17, b3, c2,
d3), (a17, b3, c2, d4), (a17, b3, c2, d5), (a17, b3, c2, d6), (a17, b3, c2, d7),
(a17, b3, c2, d8), (a17, b3, c2, d9), (a17, b3, c2, d10), (a17, b3, c2, d11),
(a17, b3, c2, d12), (a17, b3, c2, d13), (a17, b3, c2, d14), (a17, b3, c2, d15),
(a17, b3, c2, d16), (a17, b3, c2, d17), (a17, b3, c2, d18), (a17, b3, c2, d19),
(a17, b3, c2, d20), (a17, b3, c2, d21), (a17, b3, c2, d22), (a17, b3, c3, d1), (
a 17, b3, c3, d2), (a17, b3, c3, d3), (a17, b3, c3, d4), (a17, b3, c3, d5), (a17
, b3, c3, d6), (a17, b3, c3, d7), (a17, b3, c3, d8), (a17, b3, c3, d9), (a17, b3

, c3, d10), (a17, b3, c3, d11), (a17, b3, c3, d12), (a17, b3, c3, d13), (a17, b3
, c3, d14), (a17, b3, c3, d15), (a17, b3, c3, d16), (a17, b3, c3, d17), (a17, b3
, c3, d18), (a17, b3, c3, d19), (a17, b3, c3, d20), (a17, b3, c3, d21), (a17, b3
, c3, d22), (a17, b4, c1, d1), (a17, b4, c1, d2), (a17, b4, c1, d3), (a17, b4, c
1, d4), (a17, b4, c1, d5), (a17, b 4, c1, d6), (a17, b4, c1, d7), (a17, b4, c1,
d8), (a17, b4, c1, d9), (a17, b4, c1, d10), (a17, b4, c1, d11), (a17, b4, c1, d1
2), (a17, b4, c1, d13), (a17, b4, c1, d14), (a17, b4, c1, d15), (a17, b4, c1, d1
6), (a17, b4, c1, d17), (a17, b4, c1, d18), (a17, b 4, c1, d19), (a17, b4, c1, d
20), (a17, b4, c1, d21), (a17, b4, c1, d22), (a17, b4, c2, d1), (a17, b4, c2, d2
), (a17, b4, c2, d3), (a17, b4, c2, d4), (a17, b4, c2, d5), (a17, b4, c2, d6), (
a17, b4, c2, d7), (a17, b4, c2, d8), (a17, b4, c2, d9), (a17, b4, c2 , d10), (a1
7, b4, c2, d11), (a17, b4, c2, d12), (a17, b4, c2, d13), (a17, b4, c2, d14), (a1
7, b4, c2, d15), (a17, b4, c2, d16), (a17, b4, c2, d17), (a17, b4, c2, d18), (a1
7, b4, c2, d19), (a17, b4, c2, d20), (a17, b4, c2, d21), (a17, b4, c2, d22), (a1
7, b4 , c3, d1), (a17, b4, c3, d2), (a17, b4, c3, d3), (a17, b4, c3, d4), (a17,
b4, c3, d5), (a17, b4, c3, d6), (a17, b4, c3, d7), (a17, b4, c3, d8), (a17, b4,
c3, d9), (a17, b4, c3, d10), (a17, b4, c3, d11), (a17, b4, c3, d12), (a17, b4, c
3, d13), (a17, b4, c3, d14), (a17, b4, c3, d15), (a17, b4, c3, d16), (a17, b4,
c3, d17), (a17, b4, c3, d18), (a17, b4, c3, d19), (a17, b4, c3, d20), (a17, b4,
c3, d21), (a17, b4, c3, d22), (a17, b5, c1, d1), (a17, b5, c1, d2), (a17, b5, c1
, d3), (a17, b5, c1, d4), (a17, b5, c1, d5), (a17, b5, c1, d6), (a17, b5, c1, d
7), (a17, b5, c1, d8), (a17, b5, c1, d9), (a17, b5, c1, d10), (a17, b5, c1, d11)
, (a17, b5, c1, d12), (a17, b5, c1, d13), (a17, b5, c1, d14), (a17, b5, c1, d15)
, (a17, b5, c1, d16), (a17, b5, c1, d17), (a17, b5, c1, d18), (a17, b5, c1, d19)
, (a17, b5, c1, d20), (a17, b5, c1, d21), (a17, b5, c1, d22), (a17, b5, c2, d1),
(a17, b5, c2, d2), (a17, b5, c2, d3), (a17, b5, c2, d4), (a17, b5, c2, d5), (a1
7, b5, c2, d6), (a17, b5, c2, d7), (a17, b5, c2, d8), (a17, b5, c2, d9), (a17,
b5, c2, d10), (a17, b5, c2, d11), (a17, b5, c2, d12), (a17, b5, c2, d13), (a17,
b5, c2, d14), (a17, b5, c2, d15), (a17, b5, c2, d16), (a17, b5, c2, d17), (a17,
b5, c2, d18), (a17, b5, c2, d19), (a17, b5, c2, d20), (a17, b5, c2, d21), (a17,
b5, c2, d 22), (a17, b5, c3, d1), (a17, b5, c3, d2), (a17, b5, c3, d3), (a17, b5
, c3, d4), (a17, b5, c3, d5), (a17, b5, c3, d6), (a17, b5, c3, d7), (a17, b5, c3
, d8), (a17, b5, c3, d9), (a17, b5, c3, d10), (a17, b5, c3, d11), (a17, b5, c3,
d12), (a17, b5, c3, d13), (a17, b5, c3, d14), (a17, b5, c3, d15), (a17, b5, c3,
d16), (a17, b5, c3, d17), (a17, b5, c3, d18), (a17, b5, c3, d19), (a17, b5, c3,
d20), (a17, b5, c3, d21), (a17, b5, c3, d22), (a17, b6, c1, d1), (a17, b6, c1, d
2), (a17, b6, c1, d3), (a17, b6, c1, d4), (a17, b6, c1, d5), (a17, b6, c1, d6),
(a17, b6, c1, d7), (a17, b6, c1, d8), (a17, b6, c1, d9), (a17, b6, c1, d10), (a1
7, b6, c1, d11), (a17, b6, c1, d12), (a17, b6, c1, d13), (a17, b6, c1, d14), (a1
7, b6, c1, d15), (a17, b6, c1, d16), (a17, b6, c1, d17), (a17, b6, c1, d18), (a
17, b6, c1, d19), (a17, b6, c1, d20), (a17, b6, c1, d21), (a17, b6, c1, d22), (a
17, b6, c2, d1), (a17, b6, c2, d2), (a17, b6, c2, d3), (a17, b6, c2, d4), (a17,
b6, c2, d5), (a17, b6, c2, d6), (a17, b6, c2, d7), (a17, b6, c2, d8), (a17, b6,
c2, d9), (a17, b6, c2, d10), (a17, b6, c2, d11), (a17, b6, c2, d12), (a17, b6,
c2, d13), (a17, b6, c2, d14), (a17, b6, c2, d15), (a17, b6, c2, d16), (a17, b6,
c2, d17), (a17, b6, c2, d18), (a17, b6, c2, d19), (a17, b6, c2, d20), (a17, b6,
c2, d21), (a 17, b6, c2, d22), (a17, b6, c3, d1), (a17, b6, c3, d2), (a17, b6, c
3, d3), (a17, b6, c3, d4), (a17, b6, c3, d5), (a17, b6, c3, d6), (a17, b6, c3, d
7), (a17, b6, c3, d8), (a17, b6, c3, d9), (a17, b6, c3, d10), (a17, b6, c3, d11)
, (a17, b6, c3, d12), (a17, b 6, c3, d13), (a17, b6, c3, d14), (a17, b6, c3, d15

), (a17, b6, c3, d16), (a17, b6, c3, d17), (a17, b6, c3, d18), (a17, b6, c3, d19
), (a17, b6, c3, d20), (a17, b6, c3, d21), (a17, b6, c3, d22), (a18, b1, c1, d1)
, (a18, b1, c1, d2), (a18, b1, c1, d3), (a18, b1, c1, d4), (a18, b1, c1, d5), (a
18, b1, c1, d6), (a18, b1, c1, d7), (a18, b1, c1, d8), (a18, b1, c1, d9), (a18,
b1, c1, d10), (a18, b1, c1, d11), (a18, b1, c1, d12), (a18, b1, c1, d13), (a18,
b1, c1, d14), (a18, b1, c1, d15), (a18, b1, c1, d16), (a18, b1 , c1, d17), (a18,
b1, c1, d18), (a18, b1, c1, d19), (a18, b1, c1, d20), (a18, b1, c1, d21), (a18,
b1, c1, d22), (a18, b1, c2, d1), (a18, b1, c2, d2), (a18, b1, c2, d3), (a18, b1
, c2, d4), (a18, b1, c2, d5), (a18, b1, c2, d6), (a18, b1, c2, d7), (a18, b1, c
2, d8), (a18, b1, c2, d9), (a18, b1, c2, d10), (a18, b1, c2, d11), (a18, b1, c2,
d12), (a18, b1, c2, d13), (a18, b1, c2, d14), (a18, b1, c2, d15), (a18, b1, c2,
d16), (a18, b1, c2, d17), (a18, b1, c2, d18), (a18, b1, c2, d19), (a18, b1, c2,
d20), (a18, b1, c2, d21), (a18, b1, c2, d22), (a18, b1, c3, d1), (a18, b1, c3,
d2), (a18, b1, c3, d3), (a18, b1, c3, d4), (a18, b1, c3, d5), (a18, b1, c3, d6)
, (a18, b1, c3, d7), (a18, b1, c3, d8), (a18, b1, c3, d9), (a18, b1, c3, d10), (
a18, b1, c3, d11), (a18, b1, c3, d12), (a18, b1, c3, d13), (a18, b1, c3, d14), (
a18, b1, c3, d15), (a18, b1, c3, d16), (a18, b1, c3, d17), (a18, b1, c3, d18), (
a18, b1, c3, d19), (a18, b1, c3, d20), (a18, b1, c3, d21), (a18, b1, c3, d22), (
a18, b2, c1, d1), (a18, b2, c1, d2), (a18, b2, c1 , d3), (a18, b2, c1, d4), (a18
, b2, c1, d5), (a18, b2, c1, d6), (a18, b2, c1, d7), (a18, b2, c1, d8), (a18, b2
, c1, d9), (a18, b2, c1, d10), (a18, b2, c1, d11), (a18, b2, c1, d12), (a18, b2,
c1, d13), (a18, b2, c1, d14), (a18, b2, c1, d15), (a18, b2, c1, d 16), (a18, b2
, c1, d17), (a18, b2, c1, d18), (a18, b2, c1, d19), (a18, b2, c1, d20), (a18, b2
, c1, d21), (a18, b2, c1, d22), (a18, b2, c2, d1), (a18, b2, c2, d2), (a18, b2,
c2, d3), (a18, b2, c2, d4), (a18, b2, c2, d5), (a18, b2, c2, d6), (a18, b2, c2,
d7) , (a18, b2, c2, d8), (a18, b2, c2, d9), (a18, b2, c2, d10), (a18, b2, c2, d1
1), (a18, b2, c2, d12), (a18, b2, c2, d13), (a18, b2, c2, d14), (a18, b2, c2, d1
5), (a18, b2, c2, d16), (a18, b2, c2, d17), (a18, b2, c2, d18), (a18, b2, c2, d1
9), (a18, b2, c2, d2 0), (a18, b2, c2, d21), (a18, b2, c2, d22), (a18, b2, c3, d
1), (a18, b2, c3, d2), (a18, b2, c3, d3), (a18, b2, c3, d4), (a18, b2, c3, d5),
(a18, b2, c3, d6), (a18, b2, c3, d7), (a18, b2, c3, d8), (a18, b2, c3, d9), (a18
, b2, c3, d10), (a18, b2, c3, d11), (a18, b2, c3, d12), (a18, b2, c3, d13), (a1
8, b2, c3, d14), (a18, b2, c3, d15), (a18, b2, c3, d16), (a18, b2, c3, d17), (a1
8, b2, c3, d18), (a18, b2, c3, d19), (a18, b2, c3, d20), (a18, b2, c3, d21), (a1
8, b2, c3, d22), (a18, b3, c1, d1), (a18, b3, c1, d2), (a18, b3, c1, d3), (a18,
b3, c1, d4), (a18, b3, c1, d5), (a18, b3, c1, d6), (a18, b3, c1, d7), (a18, b3,
c1, d8), (a18, b3, c1, d9), (a18, b3, c1, d10), (a18, b3, c1, d11), (a18, b3, c
1, d12), (a18, b3, c1, d13), (a18, b3, c1, d14), (a18, b3, c1, d15), (a 18, b3,
c1, d16), (a18, b3, c1, d17), (a18, b3, c1, d18), (a18, b3, c1, d19), (a18, b3,
c1, d20), (a18, b3, c1, d21), (a18, b3, c1, d22), (a18, b3, c2, d1), (a18, b3, c
2, d2), (a18, b3, c2, d3), (a18, b3, c2, d4), (a18, b3, c2, d5), (a18, b3, c2, d
6), (a18 , b3, c2, d7), (a18, b3, c2, d8), (a18, b3, c2, d9), (a18, b3, c2, d10)
, (a18, b3, c2, d11), (a18, b3, c2, d12), (a18, b3, c2, d13), (a18, b3, c2, d14)
, (a18, b3, c2, d15), (a18, b3, c2, d16), (a18, b3, c2, d17), (a18, b3, c2, d18)
, (a18, b3, c2, d19), (a1 8, b3, c2, d20), (a18, b3, c2, d21), (a18, b3, c2, d22
), (a18, b3, c3, d1), (a18, b3, c3, d2), (a18, b3, c3, d3), (a18, b3, c3, d4), (
a18, b3, c3, d5), (a18, b3, c3, d6), (a18, b3, c3, d7), (a18, b3, c3, d8), (a18,
b3, c3, d9), (a18, b3, c3, d10), (a18, b3 , c3, d11), (a18, b3, c3, d12), (a18,
b3, c3, d13), (a18, b3, c3, d14), (a18, b3, c3, d15), (a18, b3, c3, d16), (a18,
b3, c3, d17), (a18, b3, c3, d18), (a18, b3, c3, d19), (a18, b3, c3, d20), (a18,

b3, c3, d21), (a18, b3, c3, d22), (a18, b4, c1, d1), (a18, b4, c1, d2), (a18, b4, c1, d3), (a18, b4, c1, d4), (a18, b4, c1, d5), (a18, b4, c1, d6), (a18, b4, c1, d7), (a18, b4, c1, d8), (a18, b4, c1, d9), (a18, b4, c1, d10), (a18, b4, c1, d11), (a18, b4, c1, d12), (a18, b4, c1, d13), (a18, b4, c1, d14), (a18, b4, c1, d15), (a18, b4, c1, d16), (a18, b4, c1, d17), (a18, b4, c1, d18), (a18, b4, c1, d19), (a18, b4, c1, d20), (a18, b4, c1, d21), (a18, b4, c1, d22), (a18, b4, c2, d1), (a18, b4, c2, d2), (a18, b4, c2, d3), (a18, b4, c2, d4), (a18, b4, c2, d5)
, (a18, b4, c2, d6), (a18, b4, c2, d7), (a18, b4, c2, d8), (a18, b4, c2, d9), (a18, b4, c2, d10), (a18, b4, c2, d11), (a18, b4, c2, d12), (a18, b4, c2, d13), (a18, b4, c2, d14), (a18, b4, c2, d15), (a18, b4, c2, d16), (a18, b4, c2, d17), (a18, b4, c2, d18), (a18, b4, c2, d19), (a18, b4, c2, d20), (a18, b4, c2, d21), (a18, b4, c2, d22), (a18, b4, c3, d1), (a18, b4, c3, d2), (a18, b4, c3, d3), (a18, b4, c3, d4), (a18, b4, c3, d5), (a18, b4, c3, d6), (a18, b4, c3, d7), (a18, b4, c3, d8), (a18, b4, c3, d9), (a18, b4, c3, d 10), (a18, b4, c3, d11), (a18, b4, c3, d12), (a18, b4, c3, d13), (a18, b4, c3, d14), (a18, b4, c3, d15), (a18, b4, c3, d16), (a18, b4, c3, d17), (a18, b4, c3, d18), (a18, b4, c3, d19), (a18, b4, c3, d20), (a18, b4, c3, d21), (a18, b4, c3, d22), (a18, b5, c 1, d1), (a18, b5, c1, d2), (a18, b5, c1, d3), (a18, b5, c1, d4), (a18, b5, c1, d5), (a18, b5, c1, d6), (a18, b5, c1, d7), (a18, b5, c1, d8), (a18, b5, c1, d9), (a18, b5, c1, d10), (a18, b5, c1, d11), (a18, b5, c1, d12), (a18, b5, c1, d13), (a18, b5, c1, d1 4), (a18, b5, c1, d15), (a18, b5, c1, d16), (a18, b5, c1, d17), (a18, b5, c1, d18), (a18, b5, c1, d19), (a18, b5, c1, d20), (a18, b5, c1, d21), (a18, b5, c1, d22), (a18, b5, c2, d1), (a18, b5, c2, d2), (a18, b5, c2, d3), (a18, b5, c2, d4), (a18, b5, c2, d5), (a18, b5, c2, d6), (a18, b5, c2, d7), (a18, b5, c2, d8), (a18, b5, c2, d9), (a18, b5, c2, d10), (a18, b5, c2, d11), (a18, b5, c2, d12), (a18, b5, c2, d13), (a18, b5, c2, d14), (a18, b5, c2, d15), (a18, b5, c2, d16), (a18, b5, c2, d17), (a18, b5, c2, d18), (a18, b5, c2, d19), (a18, b5, c2, d20), (a18, b5, c2, d21), (a18, b5, c2, d22), (a18, b5, c3, d1), (a18, b5, c3, d2), (a18, b5, c3, d3), (a18, b5, c3, d4), (a18, b5, c3, d5), (a18, b5, c3, d6), (a18, b5, c3, d7), (a18, b5, c3, d8), (a18, b5, c3, d9), (a 18, b5, c3, d10), (a18, b5, c3, d11), (a18, b5, c3, d12), (a18, b5, c3, d13), (a18, b5, c3, d14), (a18, b5, c3, d15), (a18, b5, c3, d16), (a18, b5, c3, d17), (a18, b5, c3, d18), (a18, b5, c3, d19), (a18, b5, c3, d20), (a18, b5, c3, d21), (a18, b5, c3, d22) , (a18, b6, c 1, d1), (a18, b6, c1, d2), (a18, b6, c1, d3), (a18, b6, c1, d4), (a18, b6, c1, d 5), (a18, b6, c1, d6), (a18, b6, c1, d7), (a18, b6, c1, d8), (a18, b6, c1, d9), (a18, b6, c1, d10), (a18, b6, c1, d11), (a18, b6, c1, d12), (a18, b6, c1, d13), (a1 8, b6, c1, d14), (a18, b6, c1, d15), (a18, b6, c1, d16), (a18, b6, c1, d17), (a18, b6, c1, d18), (a18, b6, c1, d19), (a18, b6, c1, d20), (a18, b6, c1, d21), (a18, b6, c1, d22), (a18, b6, c2, d1), (a18, b6, c2, d2), (a18, b6, c2, d3), (a 18, b6, c2, d4), (a1 8, b6, c2, d5), (a18, b6, c2, d6), (a18, b6, c2, d7), (a18, b6, c2, d8), (a18, b6, c2, d9), (a18, b6, c2, d10), (a18, b6, c2, d11), (a18, b 6, c2, d12), (a18, b6, c2, d13), (a18, b6, c2, d14), (a18, b6, c2, d15), (a18, b 6, c2, d16), (a18, b6, c2, d17), (a18 , b6, c2, d18), (a18, b6, c2, d19), (a18, b6, c2, d20), (a18, b6, c2, d21), (a18, b6, c2, d22), (a18, b6, c3, d1), (a18, b 6, c3, d2), (a18, b6, c3, d3), (a18, b6, c3, d4), (a18, b6, c3, d5), (a18, b6, c 3, d6), (a18, b6, c3, d7), (a18, b6, c3, d8), (a18, b6 , c3, d9), (a18, b6, c3, d10), (a18, b6, c3, d11), (a18, b6, c3, d12), (a18, b6, c3, d13), (a18, b6, c3, d14), (a18, b6, c3, d15), (a18, b6, c3, d16), (a18, b6, c3, d17), (a18, b6, c3, d18), (a18, b6, c3, d19), (a18, b6, c3, d20), (a18, b6, c3, d21), (a18, b6, c3,

d22), (a19, b1, c1, d1), (a19, b1, c1, d2), (a19, b1, c1, d3), (a19, b1, c1, d4), (a19, b1, c1, d5), (a19, b1, c1, d6), (a19, b1, c1, d7), (a19, b1, c1, d8), (a19, b1, c1, d9), (a19, b1, c1, d10), (a19, b1, c1, d11), (a19, b1, c1, d12), (a19, b1, c1, d13), (a19, b1, c1, d14), (a19, b1, c1, d15), (a19, b1, c1, d16), (a19, b1, c1, d17), (a19, b1, c1, d18), (a19, b1, c1, d19), (a19, b1, c1, d20), (a19, b1, c1, d21), (a19, b1, c1, d22), (a19, b1, c2, d1), (a19, b1, c2, d2), (a19, b1, c2, d3), (a19, b1, c2, d4), (a19, b1, c2, d5), (a19, b1, c2, d6), (a19, b1, c2, d7), (a19, b1, c2, d8), (a19, b1, c2, d9), (a19, b1, c2, d10), (a19, b1, c2, d11), (a19, b1, c2, d12), (a19, b1, c2, d13), (a19, b1, c2, d14), (a19, b1, c2, d15), (a19, b1, c2, d16), (a19, b1, c 2, d17), (a19, b1, c2, d18), (a19, b1, c2, d19), (a19, b1, c2, d20), (a19, b1, c2, d21), (a19, b1, c2, d22), (a19, b1, c3, d1), (a19, b1, c3, d2), (a19, b1, c3, d3), (a19, b1, c3, d4), (a19, b1, c3, d5), (a19, b1, c3, d6), (a19, b1, c3, d7), (a19, b1, c3, d8), (a19, b1, c3, d9), (a19, b1, c3, d10), (a19, b1, c3, d11), (a19, b1, c3, d12), (a19, b1, c3, d13), (a19, b1, c3, d14), (a19, b1, c3, d15), (a19, b1, c3, d16), (a19, b1, c3, d17), (a19, b1, c3, d18), (a19, b1, c3, d19), (a19, b1, c3, d20), (a19, b1, c3 , d21), (a19, b1, c3, d22), (a19, b2, c1, d1), (a19, b2, c1, d2), (a19, b2, c1, d3), (a19, b2, c1, d4), (a19, b2, c1, d5), (a19, b2, c1, d6), (a19, b2, c1, d7), (a19, b2, c1, d8), (a19, b2, c1, d9), (a19, b2, c1, d10), (a19, b2, c1, d11), (a19, b2, c1, d12), (a19, b2, c1, d13), (a19, b2, c1, d14), (a19, b2, c1, d15), (a19, b2, c1, d16), (a19, b2, c1, d17), (a19, b2, c1, d18), (a19, b2, c1, d19), (a19, b2, c1, d20), (a19, b2, c1, d21), (a19, b2, c1, d22), (a19, b2, c2, d1), (a19, b2, c2, d2), (a19, b2, c2, d 3), (a19, b2, c2, d4), (a19, b2, c2, d5), (a19, b2, c2, d6), (a19, b2, c2, d7), (a19, b2, c2, d8), (a19, b2, c2, d9), (a19, b2, c2, d10), (a19, b2, c2, d11), (a19, b2, c2, d12), (a19, b2, c2, d13), (a19, b2, c2, d14), (a19, b2, c2, d15), (a19, b2, c2, d16) , (a19, b2, c2, d17), (a19, b2, c2 , d18), (a19, b2, c2, d19), (a19, b2, c2, d20), (a19, b2, c2, d21), (a19, b2, c2 , d22), (a19, b2, c3, d1), (a19, b2, c3, d2), (a19, b2, c3, d3), (a19, b2, c3, d4), (a19, b2, c3, d5), (a19, b2, c3, d6), (a19, b2, c3, d7), (a19, b2, c3, d8), (a19, b2, c3, d9), (a19, b2, c3, d10), (a19, b2, c3, d11), (a19, b2, c3, d12), (a19, b2, c3, d13), (a19, b2, c3, d14), (a19, b2, c3, d15), (a19, b2, c3, d16), (a19, b2, c3, d17), (a19, b2, c3, d18), (a19, b2, c3, d19), (a19, b2, c3, d20), (a19, b2, c3, d21), (a19, b2, c3, d22), (a19, b3, c1, d1), (a19, b3, c1, d2), (a19, b3, c1, d3), (a19, b3, c1, d4), (a19, b3, c1, d5), (a19, b3, c1, d6), (a19, b3, c1, d7), (a19, b3, c1, d8), (a19, b3, c1, d9), (a19, b3, c1, d10), (a19, b3, c1, d11), (a19 , b3, c1, d12), (a19, b3, c1, d13), (a19, b3, c1, d14), (a19, b3, c1, d15), (a19, b3, c1, d16), (a19, b3, c1, d17), (a19, b3, c1, d18), (a19, b3, c1, d19), (a19, b3, c1, d20), (a19, b3, c1, d21), (a19, b3, c1, d22), (a19, b3, c2, d1), (a19, b3, c2, d2), (a 19, b3, c2, d3), (a19, b3, c2, d4), (a19, b3, c2, d5), (a19, b3, c2, d6), (a19, b3, c2, d7), (a19, b3, c2, d8), (a19, b3, c2, d9), (a19, b3, c2, d10), (a19, b3, c2, d11), (a19, b3, c2, d12), (a19, b3, c2, d13), (a19, b3, c2, d14), (a19, b3, c2, d15), (a19, b3, c2, d16), (a19, b3, c2, d17), (a19, b3, c2, d18), (a19, b3, c2, d19), (a19, b3, c2, d20), (a19, b3, c2, d21), (a19, b3, c2, d22), (a19, b3, c3, d1), (a19, b3, c3, d2), (a19, b3, c3, d3), (a19, b3, c3, d4), (a19, b3, c3, d5), (a19, b3, c3, d6), (a19, b 3, c3, d7), (a19, b3, c3, d8), (a19, b3, c3, d9), (a19, b3, c3, d10), (a19, b3, c3, d11), (a19, b3, c3, d12), (a19, b3, c3, d13), (a19, b3, c3, d14), (a19, b3, c3, d15), (a19, b3, c3, d16), (a19, b3, c3, d17), (a19, b3, c3, d18), (a19, b3, c3, d19), (a19, b3, c3, d20), (a19, b3, c3, d21), (a19, b3, c3, d22), (a19, b4, c1, d1), (a19, b4, c1, d2), (a19, b4, c1, d3), (a19, b4, c1, d4), (a19, b4, c1, d5), (a19, b

4, c1, d6), (a19, b4, c1, d7), (a19, b4, c1, d8), (a19, b4, c1, d9), (a19, b4, c
1, d10), (a19, b4, c 1, d11), (a19, b4, c1, d12), (a19, b4, c1, d13), (a19, b4,
c1, d14), (a19, b4, c1, d15), (a19, b4, c1, d16), (a19, b4, c1, d17), (a19, b4,
c1, d18), (a19, b4, c1, d19), (a19, b4, c1, d20), (a19, b4, c1, d21), (a19, b4,
c1, d22), (a19, b4, c2, d1), (a19, b4 , c2, d2), (a19, b4, c2, d3), (a19, b4, c2
, d4), (a19, b4, c2, d5), (a19, b4, c2, d6), (a19, b4, c2, d7), (a19, b4, c2, d8
), (a19, b4, c2, d9), (a19, b4, c2, d10), (a19, b4, c2, d11), (a19, b4, c2, d12)
, (a19, b4, c2, d13), (a19, b4, c2, d14), (a19, b4, c2 , d15), (a19, b4, c2, d16
), (a19, b4, c2, d17), (a19, b4, c2, d18), (a19, b4, c2, d19), (a19, b4, c2, d20
), (a19, b4, c2, d21), (a19, b4, c2, d22), (a19, b4, c3, d1), (a19, b4, c3, d2),
(a19, b4, c3, d3), (a19, b4, c3, d4), (a19, b4, c3, d5), (a19, b4, c3, d6), (a
19, b4, c3, d7), (a19, b4, c3, d8), (a19, b4, c3, d9), (a19, b4, c3, d10), (a19,
b4, c3, d11), (a19, b4, c3, d12), (a19, b4, c3, d13), (a19, b4, c3, d14), (a19,
b4, c3, d15), (a19, b4, c3, d16), (a19, b4, c3, d17), (a19, b4, c3, d18), (a19,
b4, c3, d19), (a19, b4, c3, d20), (a19, b4, c3, d21), (a19, b4, c3, d22), (a19
, b5, c1, d1), (a19, b5, c1, d2), (a19, b5, c1, d3), (a19, b5, c1, d4), (a19, b5
, c1, d5), (a19, b5, c1, d6), (a19, b5, c1, d7), (a19, b5, c1, d8), (a19, b5, c1
, d9), (a19, b5, c1, d10) , (a19, b5, c1, d11), (a19, b5, c1, d12), (a19, b5, c1
, d13), (a19, b5, c1, d14), (a19, b5, c1, d15), (a19, b5, c1, d16), (a19, b5, c1
, d17), (a19, b5, c1, d18), (a19, b5, c1, d19), (a19, b5, c1, d20), (a19, b5, c1
, d21), (a19, b5, c1, d22), (a19, b5, c2, d1), (a19, b5, c2, d2), (a19, b5, c2,
d3), (a19, b5, c2, d4), (a19, b5, c2, d5), (a19, b5, c2, d6), (a19, b5, c2, d7),
(a19, b5, c2, d8), (a19, b5, c2, d9), (a19, b5, c2, d10), (a19, b5, c2, d11), (
a19, b5, c2, d12), (a19, b5, c2, d13), (a19, b5, c2, d14), (a19, b5, c2, d15),
(a19, b5, c2, d16), (a19, b5, c2, d17), (a19, b5, c2, d18), (a19, b5, c2, d19),
(a19, b5, c2, d20), (a19, b5, c2, d21), (a19, b5, c2, d22), (a19, b5, c3, d1), (
a19, b5, c3, d2), (a19, b5, c3, d3), (a19, b5, c3, d4), (a19, b5, c3, d5), (a19,
b5, c3, d6), (a19, b5, c3, d7), (a19, b5, c3, d8), (a19, b5, c3, d9), (a19, b5,
c3, d10), (a19, b5, c3, d11), (a19, b5, c3, d12), (a19, b5, c3, d13), (a19, b5,
c3, d14), (a19, b5, c3, d15), (a19, b5, c3, d16), (a19, b5, c3, d17), (a19, b5,
c3, d18), (a19, b5, c3, d19), (a19, b5, c3, d20), (a19, b5, c3, d21), (a19, b5,
c3, d22), (a19, b6, c1, d1), (a19, b6, c1, d2), (a19, b6, c1, d3), (a19, b6, c1
, d4), (a19, b6, c1, d5), (a19, b6, c1, d6), (a19, b6, c1, d7), (a19, b6, c1, d8
), (a19, b6, c1, d9), (a19, b6, c1, d10), (a19, b6, c1, d11), (a19, b6, c1, d12
), (a19, b6, c1, d13), (a19, b6, c1, d14), (a19, b6, c1, d15), (a19, b6, c1, d16
), (a19, b6, c1, d17), (a19, b6, c1, d18), (a19, b6, c1, d19), (a19, b6, c1, d20
)
, (a19, b6, c1, d21), (a19, b6, c1, d22), (a19, b6, c2, d1), (a19, b6, c2, d2),
(a19, b6, c2, d3), (a19, b6, c2, d4), (a19, b6, c2, d5), (a19, b6, c2, d6), (a1
9, b6, c2, d7), (a19, b6, c2, d8), (a19, b6, c2, d9), (a19, b6, c2, d10), (a19,
b6, c2, d11), (a19, b6, c2, d12), (a19, b6, c2, d13), (a19, b6, c2, d14), (a19,
b6, c2, d15), (a19, b6, c2, d16), (a19, b6, c2, d17), (a19, b6, c2, d18), (a19,
b6, c2, d19), (a19, b6, c2, d20), (a19, b6, c2, d21), (a19, b6, c2, d22), (a19,
b6, c3, d1), (a19, b6, c3, d2), (a19, b6, c3, d3), (a19, b6, c3, d4), (a19, b6,
c3, d5), (a19, b6, c3, d6), (a19, b6, c3, d7), (a19, b6, c3, d8), (a19, b6, c3,
d9), (a19, b6, c3, d10), (a19, b6, c3, d11), (a19, b6, c3, d12), (a19, b6, c3, d
13), (a19, b6, c3, d14), (a19, b6, c3, d15), (a19, b6, c3, d16), (a19, b6, c3, d
17), (a19, b 6, c3, d18), (a19, b6, c3, d19), (a19, b6, c3, d20), (a19, b6, c3,
d21), (a19, b6, c3, d22), (a20, b1, c1, d1), (a20, b1, c1, d2), (a20, b1, c1, d3
), (a20, b1, c1, d4), (a20, b1, c1, d5), (a20, b1, c1, d6), (a20, b1, c1, d7), (

a20, b1, c1, d8), (a20, b1, c 1, d9), (a20, b1, c1, d10), (a20, b1, c1, d11), (a
20, b1, c1, d12), (a20, b1, c1, d13), (a20, b1, c1, d14), (a20, b1, c1, d15), (a
20, b1, c1, d16), (a20, b1, c1, d17), (a20, b1, c1, d18), (a20, b1, c1, d19), (a
20, b1, c1, d20), (a20, b1, c1, d21), (a20, b1 , c1, d22), (a20, b1, c2, d1), (a
20, b1, c2, d2), (a20, b1, c2, d3), (a20, b1, c2, d4), (a20, b1, c2, d5), (a20,
b1, c2, d6), (a20, b1, c2, d7), (a20, b1, c2, d8), (a20, b1, c2, d9), (a20, b1,
c2, d10), (a20, b1, c2, d11), (a20, b1, c2, d12), (a20, b1, c2, d13), (a20, b1,
c2, d14), (a20, b1, c2, d15), (a20, b1, c2, d16), (a20, b1, c2, d17), (a20, b1,
c2, d18), (a20, b1, c2, d19), (a20, b1, c2, d20), (a20, b1, c2, d21), (a20, b1,
c2, d22), (a20, b1, c3, d1), (a20, b1, c3, d2), (a20, b1, c3, d3), (a20, b1, c3
, d4), (a20, b1, c3, d5), (a20, b1, c3, d6), (a20, b1, c3, d7), (a20, b1, c3, d
8), (a20, b1, c3, d9), (a20, b1, c3, d10), (a20, b1, c3, d11), (a20, b1, c3, d12
), (a20, b1, c3, d13), (a20, b1, c3, d14), (a20, b1, c3, d15), (a20, b1, c3, d16
), (a20, b1, c3, d17), (a20, b1, c3, d18), (a20, b1, c3, d19), (a20, b1, c3, d20
), (a20, b1, c3, d21), (a20, b1, c3, d22), (a20, b2, c1, d1), (a20, b2, c1, d2),
(a20, b2, c1, d3), (a20, b2, c1, d4), (a20, b2, c1, d5), (a20, b2, c1, d6), (a2
0, b2, c1, d7), (a20, b2, c1, d8) , (a20, b2, c1, d9), (a20, b2, c1, d10), (a20,
b2, c1, d11), (a20, b2, c1, d12), (a20, b2, c1, d13), (a20, b2, c1, d14), (a20,
b2, c1, d15), (a20, b2, c1, d16), (a20, b2, c1, d17), (a20, b2, c1, d18), (a20,
b2, c1, d19), (a20, b2, c1, d20), (a20, b2, c1, d 21), (a20, b2, c1, d22), (a20
, b2, c2, d1), (a20, b2, c2, d2), (a20, b2, c2, d3), (a20, b2, c2, d4), (a20, b2
, c2, d5), (a20, b2, c2, d6), (a20, b2, c2, d7), (a20, b2, c2, d8), (a20, b2, c2
, d9), (a20, b2, c2, d10), (a20, b2, c2, d11), (a20, b2, c2, d12), (a20, b2, c2,
d13), (a20, b2, c2, d14), (a20, b2, c2, d15), (a20, b2, c2, d16), (a20, b2, c2,
d17), (a20, b2, c2, d18), (a20, b2, c2, d19), (a20, b2, c2, d20), (a20, b2, c2,
d21), (a20, b2, c2, d22), (a20, b2, c3, d1), (a20, b2, c3, d2), (a20, b2, c3, d
3), (a20, b2, c3, d4), (a20, b2, c3, d5), (a20, b2, c3, d6), (a20, b2, c3, d7),
(a20, b2, c3, d8), (a20, b2, c3, d9), (a20, b2, c3, d10), (a20, b2, c3, d11), (
a20, b2, c3, d12), (a20, b2, c3, d13), (a20, b2, c3, d14), (a20, b2, c3, d15), (
a20, b2, c3, d16), (a20, b2, c3, d17), (a20, b2, c3, d18), (a20, b2, c3, d19),
(a20, b2, c3, d20), (a20, b2, c3, d21), (a20, b2, c3, d22), (a20, b3, c1, d1), (
a20, b3, c1, d2), (a20, b3, c1, d3), (a20, b3, c1, d4), (a20, b3, c1, d5), (a20,
b3, c1, d6), (a20, b3, c1, d7), (a20 , b3, c1, d8), (a20, b3, c1, d9), (a20, b3
, c1, d10), (a20, b3, c1, d11), (a20, b3, c1, d12), (a20, b3, c1, d13), (a20, b3
, c1, d14), (a20, b3, c1, d15), (a20, b3, c1, d16), (a20, b3, c1, d17), (a20, b3
, c1, d18), (a20, b3, c1, d19), (a20, b3, c1, d20), (a 20, b3, c1, d21), (a20, b
3, c1, d22), (a20, b3, c2, d1), (a20, b3, c2, d2), (a20, b3, c2, d3), (a20, b3,
c2, d4), (a20, b3, c2, d5), (a20, b3, c2, d6), (a20, b3, c2, d7), (a20, b3, c2,
d8), (a20, b3, c2, d9), (a20, b3, c2, d10), (a20, b3, c2, d11), (a20, b 3, c2, d
12), (a20, b3, c2, d13), (a20, b3, c2, d14), (a20, b3, c2, d15), (a20, b3, c2, d
16), (a20, b3, c2, d17), (a20, b3, c2, d18), (a20, b3, c2, d19), (a20, b3, c2, d
20), (a20, b3, c2, d21), (a20, b3, c2, d22), (a20, b3, c3, d1), (a20, b3, c3, d2
), (a20, b3, c3, d3), (a20, b3, c3, d4), (a20, b3, c3, d5), (a20, b3, c3, d6),
(a20, b3, c3, d7), (a20, b3, c3, d8), (a20, b3, c3, d9), (a20, b3, c3, d10), (a2
0, b3, c3, d11), (a20, b3, c3, d12), (a20, b3, c3, d13), (a20, b3, c3, d14), (a2
0, b3, c3, d15), (a20, b3 , c3, d16), (a20, b3, c3, d17), (a20, b3, c3, d18), (a
20, b3, c3, d19), (a20, b3, c3, d20), (a20, b3, c3, d21), (a20, b3, c3, d22), (a
20, b4, c1, d1), (a20, b4, c1, d2), (a20, b4, c1, d3), (a20, b4, c1, d4), (a20,
b4, c1, d5), (a20, b4, c1, d6), (a20, b4, c1, d7), (a20, b4, c1, d8), (a20, b4,
c1, d9), (a20, b4, c1, d10), (a20, b4, c1, d11), (a20, b4, c1, d12), (a20, b4, c

1, d13), (a20, b4, c1, d14), (a20, b4, c1, d15), (a20, b4, c1, d16), (a20, b4, c 1, d17), (a20, b4, c1, d18), (a20, b4, c1, d19), (a20, b4, c1, d20), (a20, b4, c1, d21), (a20, b4, c1, d22), (a20, b4, c2, d1), (a20, b4, c2, d2), (a20, b4, c2 , d3), (a20, b4, c2, d4), (a20, b4, c2, d5), (a20, b4, c2, d6), (a20, b4, c2, d7), (a20, b4, c2, d8), (a20, b4, c2, d9), (a20, b4, c2, d10), (a20, b4, c2, d11), (a20, b4, c2, d12), (a20, b4, c2, d13), (a20, b4, c2, d14), (a20, b4, c2, d15), (a20, b4, c2, d16), (a20, b4, c2, d17), (a20, b4, c2, d18), (a20, b4, c2, d19), (a20, b4, c2, d20), (a20, b4, c2, d21), (a20, b4, c2, d22), (a20, b4, c3, d1), (a20, b4, c 3, d2), (a20, b4, c3, d3), (a20, b4, c3, d4), (a20, b4, c3, d5), (a2 0, b4, c3, d6), (a20, b4, c3, d7), (a20, b4, c3, d8), (a20, b4, c3, d9), (a20, b 4, c3, d10), (a20, b4, c3, d11), (a20, b4, c3, d12), (a20, b4, c3, d13), (a20, b 4, c3, d14), (a20, b4, c3, d 15), (a20, b4, c3, d16), (a20, b4, c3, d17), (a20, b4, c3, d18), (a20, b4, c3, d19), (a20, b4, c3, d20), (a20, b4, c3, d21), (a20, b4, c3, d22), (a20, b5, c1, d1), (a20, b5, c1, d2), (a20, b5, c1, d3), (a20, b5, c1, d4), (a20, b5, c1, d5), (a20, b5, c1, d6), (a20, b5, c1, d7), (a20, b5, c1 , d8), (a20, b5, c1, d9), (a20, b5, c1, d10), (a20, b5, c1, d11), (a20, b5, c1, d12), (a20, b5, c1, d13), (a20, b5, c1, d14), (a20, b5, c1, d15), (a20, b5, c1, d16), (a20, b5, c1, d17), (a20, b5, c1, d18), (a20, b5, c1, d1 9), (a20, b5, c1, d20), (a20, b5, c1, d21), (a20, b5, c1, d22), (a20, b5, c2, d1), (a20, b5, c2, d2), (a20, b5, c2, d3), (a20, b5, c2, d4), (a20, b5, c2, d5), (a20, b5, c2, d6), (a20, b5, c2, d7), (a20, b5, c2, d8), (a20, b5, c2, d9), (a20, b5, c2, d10), (a20, b5, c2, d11), (a20, b5, c2, d12), (a20, b5, c2, d13), (a20, b5, c2, d14), (a20, b5, c2, d15), (a20, b5, c2, d16), (a20, b5, c2, d17), (a20, b5, c2, d18), (a20, b5, c2, d19), (a20, b5, c2, d20), (a20, b5, c2, d21), (a20, b5, c2, d22), (a20, b5, c3, d1) , (a20, b5, c3, d2), (a20, b5, c3, d3), (a20, b5, c3, d4), (a20 , b5, c3, d5), (a20, b5, c3, d6), (a20, b5, c3, d7), (a20, b5, c3, d8), (a20, b5 , c3, d9), (a20, b5, c3, d10), (a20, b5, c3, d11), (a20, b5, c3, d12), (a20, b5, c3, d13), (a20, b5, c3, d14), (a 20, b5, c3, d15), (a20, b5, c3, d16), (a20, b5 , c3, d17), (a20, b5, c3, d18), (a20, b5, c3, d19), (a20, b5, c3, d20), (a20, b5 , c3, d21), (a20, b5, c3, d22), (a20, b6, c1, d1), (a20, b6, c1, d2), (a20, b6, c1, d3), (a20, b6, c1, d4), (a20, b6, c1, d5), (a2 0, b6, c1, d6), (a20, b6, c1, d7), (a20, b6, c1, d8), (a20, b6, c1, d9), (a20, b6, c1, d10), (a20, b6, c1, d1 1), (a20, b6, c1, d12), (a20, b6, c1, d13), (a20, b6, c1, d14), (a20, b6, c1, d1 5), (a20, b6, c1, d16), (a20, b6, c1, d17), (a20, b6, c1, d18), (a2 0, b6, c1, d 19), (a20, b6, c1, d20), (a20, b6, c1, d21), (a20, b6, c1, d22), (a20, b6, c2, d 1), (a20, b6, c2, d2), (a20, b6, c2, d3), (a20, b6, c2, d4), (a20, b6, c2, d5), (a20, b6, c2, d6), (a20, b6, c2, d7), (a20, b6, c2, d8), (a20, b6, c2, d9), (a20 , b6 , c2, d10), (a20, b6, c2, d11), (a20, b6, c2, d12), (a20, b6, c2, d13), (a2 0, b6, c2, d14), (a20, b6, c2, d15), (a20, b6, c2, d16), (a20, b6, c2, d17), (a2 0, b6, c2, d18), (a20, b6, c2, d19), (a20, b6, c2, d20), (a20, b6, c2, d21), (a2 0, b6, c2, d22), (a20 , b6, c3, d1), (a20, b6, c3, d2), (a20, b6, c3, d3), (a20, b6, c3, d4), (a20, b6, c3, d5), (a20, b6, c3, d6), (a20, b6, c3, d7), (a20, b6, c3, d8), (a20, b6, c3, d9), (a20, b6, c3, d10), (a20, b6, c3, d11), (a20, b6, c 3, d12), (a20, b6, c3, d13), (a20, b6, c3, d14), (a20, b6, c3, d15), (a20, b6, c3, d16), (a20, b6, c3, d17), (a20, b6, c3, d18), (a20, b6, c3, d19), (a20, b6, c3, d20), (a20, b6, c3, d21), (a20, b6, c3, d22), (a21, b1, c1, d1), (a21, b1, c 1, d2), (a21, b1, c1, d3), (a21, b1, c1, d4), (a21, b1, c1, d5), (a21, b1, c1, d6), (a21, b1, c1, d7), (a21, b1, c1, d8), (a21, b1, c1, d9), (a21, b1, c1, d10) , (a21, b1, c1, d11), (a21, b1, c1, d12), (a21, b1, c1, d13), (a21, b1, c1, d14) , (a21, b1, c1, d15), (a21, b1, c1, d16), (a21, b1, c1, d17), (a21, b1, c1, d18)

, (a21, b1, c1, d19), (a21, b1, c1, d20), (a21, b1, c1, d21), (a21, b1, c1, d22)
, (a21, b1, c2, d1), (a21, b1, c2, d2), (a21, b1, c2, d3), (a21, b1, c2, d4), (a
21, b1, c2, d5), (a21, b1, c2, d6), (a21, b1, c2, d7), (a21, b1, c2, d8), (a21,
b1, c2, d9), (a21, b1, c2, d10), (a21, b1, c2, d11), (a21, b1, c2, d12), (a21, b
1, c2, d13), (a21, b1, c2, d14), (a21, b1, c2, d15), (a21, b1, c2, d16), (a21, b
1, c2, d17), (a21, b1, c2, d18), (a21, b1, c2, d19), (a21, b1, c2, d20), (a21, b
1, c2, d21), (a21, b1, c 2, d22), (a21, b1, c3, d1), (a21, b1, c3, d2), (a21, b1
, c3, d3), (a21, b1, c3, d4), (a21, b1, c3, d5), (a21, b1, c3, d6), (a21, b1, c3
, d7), (a21, b1, c3, d8), (a21, b1, c3, d9), (a21, b1, c3, d10), (a21, b1, c3, d
11), (a21, b1, c3, d12), (a21, b1, c3, d1 3), (a21, b1, c3, d14), (a21, b1, c3,
d15), (a21, b1, c3, d16), (a21, b1, c3, d17), (a21, b1, c3, d18), (a21, b1, c3,
d19), (a21, b1, c3, d20), (a21, b1, c3, d21), (a21, b1, c3, d22), (a21, b2, c1,
d1), (a21, b2, c1, d2), (a21, b2, c1, d3), (a21, b2, c1, d 4), (a21, b2, c1, d5)
, (a21, b2, c1, d6), (a21, b2, c1, d7), (a21, b2, c1, d8), (a21, b2, c1, d9), (a
21, b2, c1, d10), (a21, b2, c1, d11), (a21, b2, c1, d12), (a21, b2, c1, d13), (a
2
1, b2, c1, d14), (a21, b2, c1, d15), (a21, b2, c1, d16), (a21, b2, c1, d17), (a
21, b2, c1, d18), (a21, b2, c1, d19), (a21, b2, c1, d20), (a21, b2, c1, d21), (a
21, b2, c1, d22), (a21, b2, c2, d1), (a21, b2, c2, d2), (a21, b2, c2, d3), (a21,
b2, c2, d4), (a21, b2, c2, d5), (a21, b2, c2, d6), (a21, b2, c2, d7), (a21, b2,
c2, d8), (a21, b2, c2, d9), (a21, b2, c2, d10), (a21, b2, c2, d11), (a21, b2,
c2, d12), (a21, b2, c2, d13), (a21, b2, c2, d14), (a21, b2, c2, d15), (a21, b2,
c2, d16), (a21, b2, c2, d17), (a21, b2, c2, d18), (a21, b2, c2, d19), (a21, b2,
c2, d20), (a21, b2, c2, d21) , (a21, b2, c2, d22), (a21, b2, c3, d1), (a21, b2,
c3, d2), (a21, b2, c3, d3), (a21, b2, c3, d4), (a21, b2, c3, d5), (a21, b2, c3,
d6), (a21, b2, c3, d7), (a21, b2, c3, d8), (a21, b2, c3, d9), (a21, b2, c3, d10)
, (a21, b2, c3, d11), (a21, b2, c3, d12), (a2 1, b2, c3, d13), (a21, b2, c3, d14
), (a21, b2, c3, d15), (a21, b2, c3, d16), (a21, b2, c3, d17), (a21, b2, c3, d18
), (a21, b2, c3, d19), (a21, b2, c3, d20), (a21, b2, c3, d21), (a21, b2, c3, d22
), (a21, b3, c1, d1), (a21, b3, c1, d2), (a21, b3, c1, d3), (a 21, b3, c1, d4),
(a21, b3, c1, d5), (a21, b3, c1, d6), (a21, b3, c1, d7), (a21, b3, c1, d8), (a21
, b3, c1, d9), (a21, b3, c1, d10), (a21, b3, c1, d11), (a21, b3, c1, d12), (a21,
b3, c1, d13), (a21, b3, c1, d14), (a21, b3, c1, d15), (a21, b3, c1, d16), (a21
, b3, c1, d17), (a21, b3, c1, d18), (a21, b3, c1, d19), (a21, b3, c1, d20), (a21
, b3, c1, d21), (a21, b3, c1, d22), (a21, b3, c2, d1), (a21, b3, c2, d2), (a21,
b3, c2, d3), (a21, b3, c2, d4), (a21, b3, c2, d5), (a21, b3, c2, d6), (a21, b3,
c2, d7), (a21, b 3, c2, d8), (a21, b3, c2, d9), (a21, b3, c2, d10), (a21, b3, c2
, d11), (a21, b3, c2, d12), (a21, b3, c2, d13), (a21, b3, c2, d14), (a21, b3, c2
, d15), (a21, b3, c2, d16), (a21, b3, c2, d17), (a21, b3, c2, d18), (a21, b3, c2
, d19), (a21, b3, c2, d20), (a21, b3, c2, d21), (a21, b3, c2, d22), (a21, b3, c
3, d1), (a21, b3, c3, d2), (a21, b3, c3, d3), (a21, b3, c3, d4), (a21, b3, c3, d
5), (a21, b3, c3, d6), (a21, b3, c3, d7), (a21, b3, c3, d8), (a21, b3, c3, d9),
(a21, b3, c3, d10), (a21, b3, c3, d11), (a21, b3, c3, d12), (a21, b3, c3, d13),
(a21, b3, c3, d14), (a21, b3, c3, d15), (a21, b3, c3, d16), (a21, b3, c3, d17),
(a21, b3, c3, d18), (a21, b3, c3, d19), (a21, b3, c3, d20), (a21, b3, c3, d21),
(a21, b3, c3, d22), (a21, b4, c1, d1), (a21, b4, c1, d2), (a21, b4 , c1, d3), (a
21, b4, c1, d4), (a21, b4, c1, d5), (a21, b4, c1, d6), (a21, b4, c1, d7), (a21,
b4, c1, d8), (a21, b4, c1, d9), (a21, b4, c1, d10), (a21, b4, c1, d11), (a21, b4
, c1, d12), (a21, b4, c1, d13), (a21, b4, c1, d14), (a21, b4, c1, d15), (a21, b4
, c 1, d16), (a21, b4, c1, d17), (a21, b4, c1, d18), (a21, b4, c1, d19), (a21, b

4, c1, d20), (a21, b4, c1, d21), (a21, b4, c1, d22), (a21, b4, c2, d1), (a21, b4
, c2, d2), (a21, b4, c2, d3), (a21, b4, c2, d4), (a21, b4, c2, d5), (a21, b4, c2
, d6), (a21, b4, c2, d7), (a21, b4, c2, d8), (a21, b4, c2, d9), (a21, b4, c2, d
10), (a21, b4, c2, d11), (a21, b4, c2, d12), (a21, b4, c2, d13), (a21, b4, c2, d
14), (a21, b4, c2, d15), (a21, b4, c2, d16), (a21, b4, c2, d17), (a21, b4, c2, d
18), (a21, b4, c2, d19), (a21, b4, c2 , d20), (a21, b4, c2, d21), (a21, b4, c2,
d22), (a21, b4, c3, d1), (a21, b4, c3, d2), (a21, b4, c3, d3), (a21, b4, c3, d4)
, (a21, b4, c3, d5), (a21, b4, c3, d6), (a21, b4, c3, d7), (a21, b4, c3, d8), (a
21, b4, c3, d9), (a21, b4, c3, d10), (a21, b4, c3, d11), (a21, b4, c3, d12), (a
21, b4, c3, d13), (a21, b4, c3, d14), (a21, b4, c3, d15), (a21, b4, c3, d16), (a
21, b4, c3, d17), (a21, b4, c3, d18), (a21, b4, c3, d19), (a21, b4, c3, d20), (a
21, b4, c3, d21), (a21, b4, c3, d22), (a21, b5, c1, d1), (a21, b5, c1, d2), (a21
, b5, c1, d3), (a21, b5, c1, d4), (a21, b5, c1, d5), (a21, b5, c1, d6), (a21, b5
, c1, d7), (a21, b5, c1, d8), (a21, b5, c1, d9), (a21, b5, c1, d10), (a21, b5, c
1, d11), (a21, b5, c1, d12), (a21, b5, c1, d13), (a21, b5, c1, d14), (a21, b5, c
1, d15) , (a21, b5, c1, d16), (a21, b5, c1, d17), (a21, b5, c1, d18), (a21, b5,
c1, d19), (a21, b5, c1, d20), (a21, b5, c1, d21), (a21, b5, c1, d22), (a21, b5,
c2, d1), (a21, b5, c2, d2), (a21, b5, c2, d3), (a21, b5, c2, d4), (a21, b5, c2,
d5), (a21, b5, c2, d6), (a21, b5, c2, d7), (a21, b5, c2, d8), (a21, b5, c2, d9),
(a21, b5, c2, d10), (a21, b5, c2, d11), (a21, b5, c2, d12), (a21, b5, c2, d13),
(a21, b5, c2, d14), (a21, b5, c2, d15), (a21, b5, c2, d16), (a21, b5, c2, d17),
(a21, b5, c2, d18), (a21, b5, c2, d19), (a21, b5, c2, d20), (a21, b5, c2, d21)
, (a21, b5, c2, d22), (a21, b5, c3, d1), (a21, b5, c3, d2), (a21, b5, c3, d3), (
a21, b5, c3, d4), (a21, b5, c3, d5), (a21, b5, c3, d6), (a21, b5, c3, d7), (a21,
b5, c3, d8), (a21, b5, c3, d9), (a21, b5, c3, d10), (a21 , b5, c3, d11), (a21,
b5, c3, d12), (a21, b5, c3, d13), (a21, b5, c3, d14), (a21, b5, c3, d15), (a21,
b5, c3, d16), (a21, b5, c3, d17), (a21, b5, c3, d18), (a21, b5, c3, d19), (a21,
b5, c3, d20), (a21, b5, c3, d21), (a21, b5, c3, d22), (a21, b6, c1, d1), (a21,
b6, c1, d2), (a21, b6, c1, d3), (a21, b6, c1, d4), (a21, b6, c1, d5), (a21, b6,
c1, d6), (a21, b6, c1, d7), (a21, b6, c1, d8), (a21, b6, c1, d9), (a21, b6, c1,
d10), (a21, b6, c1, d11), (a21, b6, c1, d12), (a21, b6, c1, d13), (a21, b6, c1,
d14), (a21, b6, c1, d15), (a21, b6, c1, d16), (a21, b6, c1, d17), (a21, b6, c1,
d18), (a21, b6, c1, d19), (a21, b6, c1, d20), (a21, b6, c1, d21), (a21, b6, c1,
d22), (a21, b6, c2, d1), (a21, b6, c2, d2), (a21, b6, c2, d3), (a21, b6, c2, d4
), (a21, b6, c2, d5), (a21, b6, c2, d6), (a21, b6, c2, d7), (a21, b6, c2, d8), (
a21, b6, c2, d9), (a21, b6, c2, d10), (a21, b6, c2, d11), (a21, b6, c2, d12), (a
21, b6, c2, d13), (a21, b6, c2, d14), (a21, b6, c2, d15), (a21, b6, c2, d16), (a
21, b6, c2, d17), (a21, b6, c2, d18), (a21, b6, c2, d19), (a21, b6, c2, d20), (a
21, b6, c2, d21), (a21, b6, c2, d22), (a21, b6, c3, d1), (a21, b6, c3, d2), (a21
, b6, c3, d3), (a21, b6, c3, d4), (a21, b6, c3, d5), (a21, b6, c3, d6), (a21, b6
, c3, d7), (a21, b6, c3, d8), (a21, b6, c3, d9), (a21, b6, c 3, d10), (a21, b6,
c3, d11), (a21, b6, c3, d12), (a21, b6, c3, d13), (a21, b6, c3, d14), (a21, b6,
c3, d15), (a21, b6, c3, d16), (a21, b6, c3, d17), (a21, b6, c3, d18), (a21, b6,
c3, d19), (a21, b6, c3, d20), (a21, b6, c3, d21), (a21, b6, c3, d22), (a22, b 1,
c1, d1), (a22, b1, c1, d2), (a22, b1, c1, d3), (a22, b1, c1, d4), (a22, b1, c1,
d5), (a22, b1, c1, d6), (a22, b1, c1, d7), (a22, b1, c1, d8), (a22, b1, c1, d9)
, (a22, b1, c1, d10), (a22, b1, c1, d11), (a22, b1, c1, d12), (a22, b1, c1, d13)
, (a22, b1, c1 , d14), (a22, b1, c1, d15), (a22, b1, c1, d16), (a22, b1, c1, d17
), (a22, b1, c1, d18), (a22, b1, c1, d19), (a22, b1, c1, d20), (a22, b1, c1, d21
), (a22, b1, c1, d22), (a22, b1, c2, d1), (a22, b1, c2, d2), (a22, b1, c2, d3),

(a22, b1, c2, d4), (a22, b1, c2 , d5), (a22, b1, c2, d6), (a22, b1, c2, d7), (a2
2, b1, c2, d8), (a22, b1, c2, d9), (a22, b1, c2, d10), (a22, b1, c2, d11), (a22,
b1, c2, d12), (a22, b1, c2, d13), (a22, b1, c2, d14), (a22, b1, c2, d15), (a22,
b1, c2, d16), (a22, b1, c2, d17), (a22, b1, c2, d18), (a22, b1, c2, d19), (a22
, b1, c2, d20), (a22, b1, c2, d21), (a22, b1, c2, d22), (a22, b1, c3, d1), (a22,
b1, c3, d2), (a22, b1, c3, d3), (a22, b1, c3, d4), (a22, b1, c3, d5), (a22, b1,
c3, d6), (a22, b1, c3, d7), (a22, b1, c3, d8), (a22, b1, c3, d9) , (a22, b1, c3
, d10), (a22, b1, c3, d11), (a22, b1, c3, d12), (a22, b1, c3, d13), (a22, b1, c3
, d14), (a22, b1, c3, d15), (a22, b1, c3, d16), (a22, b1, c3, d17), (a22, b1, c3
, d18), (a22, b1, c3, d19), (a22, b1, c3, d20), (a22, b1, c3, d21), (a22, b1, c3
, d22), (a22, b2, c1, d1), (a22, b2, c1, d2), (a22, b2, c1, d3), (a22, b2, c1, d
4), (a22, b2, c1, d5), (a22, b2, c1, d6), (a22, b2, c1, d7), (a22, b2, c1, d8),
(a22, b2, c1, d9), (a22, b2, c1, d10), (a22, b2, c1, d11), (a22, b2, c1, d12), (
a22, b2, c1, d13), (a22, b2, c1, d14), (a22, b2, c1, d15), (a22, b2, c1, d16),
(a22, b2, c1, d17), (a22, b2, c1, d18), (a22, b2, c1, d19), (a22, b2, c1, d20),
(a22, b2, c1, d21), (a22, b2, c1, d22), (a22, b2, c2, d1), (a22, b2, c2, d2), (a
22, b2, c2, d3), (a22, b2, c2, d4), (a22, b2, c2, d5), (a22, b2, c2, d6), (a22,
b2, c2, d7), (a22, b2, c2, d8), (a22, b2, c2, d9), (a22, b2, c2, d10), (a22, b2
, c2, d11), (a22, b2, c2, d12), (a22, b2, c2, d13), (a22, b2, c2, d14), (a22, b2
, c2, d15), (a22, b2, c2, d16), (a22, b2, c2, d17), (a22, b2, c2, d18), (a22, b2
, c2, d19), (a22, b2, c2, d20), (a22, b2, c2, d21), (a22, b2, c2, d22), (a22, b2
, c3, d1), (a22, b2, c3, d2), (a22, b2, c3, d3), (a22, b2, c3, d4), (a22, b2, c3
, d5), (a22, b2, c3, d6), (a22, b2, c3, d7), (a22, b2, c3, d8), (a22 , b2, c3, d
9), (a22, b2, c3, d10), (a22, b2, c3, d11), (a22, b2, c3, d12), (a22, b2, c3, d1
3), (a22, b2, c3, d14), (a22, b2, c3, d15), (a22, b2, c3, d16), (a22, b2, c3, d1
7), (a22, b2, c3, d18), (a22, b2, c3, d19), (a22, b2, c3, d20), (a22, b2, c3, d2
1), (a22, b2, c3, d22), (a22, b3, c1, d1), (a22, b3, c1, d2), (a22, b3, c1, d3)
, (a22, b3, c1, d4), (a22, b3, c1, d5), (a22, b3, c1, d6), (a22, b3, c1, d7), (a
22, b3, c1, d8), (a22, b3, c1, d9), (a22, b3, c1, d10), (a22, b3, c1, d11), (a22
, b3, c1, d12), (a22, b3, c1, d13), (a22, b3, c1, d14), (a22, b3, c1, d15), (a22
, b3, c1, d16), (a22, b3, c1, d17), (a22, b3, c1, d18), (a22, b3, c1, d19), (a22
, b3, c1, d20), (a22, b3, c1, d21), (a22, b3, c1, d22), (a22, b3, c2, d1), (a22,
b3, c2, d2), (a22, b3, c2, d3), (a22, b3, c2, d4), (a22, b3, c2, d5), (a22, b3
, c2, d6), (a22, b3, c2, d7), (a22, b3, c2, d8), (a22, b3, c2, d9), (a22, b3, c2
, d10), (a22, b3, c2, d11), (a22, b3, c2, d12), (a22, b3, c2, d13), (a22, b3, c2
, d14), (a22, b3, c2, d15), (a22, b3, c2, d16), (a22, b 3, c2, d17), (a22, b3, c
2, d18), (a22, b3, c2, d19), (a22, b3, c2, d20), (a22, b3, c2, d21), (a22, b3, c
2, d22), (a22, b3, c3, d1), (a22, b3, c3, d2), (a22, b3, c3, d3), (a22, b3, c3,
d4), (a22, b3, c3, d5), (a22, b3, c3, d6), (a22, b3, c3, d7), (a22, b3, c3, d8),
(a22, b3, c3, d9), (a22, b3, c3, d10), (a22, b3, c3, d11), (a22, b3, c3, d12),
(a22, b3, c3, d13), (a22, b3, c3, d14), (a22, b3, c3, d15), (a22, b3, c3, d16),
(a22, b3, c3, d17), (a22, b3, c3, d18), (a22, b3, c3, d19), (a22, b3, c3, d20),
(a22, b3 , c3, d21), (a22, b3, c3, d22), (a22, b4, c1, d1), (a22, b4, c1, d2), (
a22, b4, c1, d3), (a22, b4, c1, d4), (a22, b4, c1, d5), (a22, b4, c1, d6), (a22,

b4, c1, d7), (a22, b4, c1, d8), (a22, b4, c1, d9), (a22, b4, c1, d10), (a22, b4,
c1, d11), (a22, b4, c1, d12), (a22, b4, c1, d13), (a22, b4, c1, d14), (a22, b4
, c1, d15), (a22, b4, c1, d16), (a22, b4, c1, d17), (a22, b4, c1, d18), (a22, b4
, c1, d19), (a22, b4, c1, d20), (a22, b4, c1, d21), (a22, b4, c1, d22), (a22, b4
, c2, d1), (a22, b4, c2, d2), (a22, b4, c 2, d3), (a22, b4, c2, d4), (a22, b4, c

2, d5), (a22, b4, c2, d6), (a22, b4, c2, d7), (a22, b4, c2, d8), (a22, b4, c2, d
9), (a22, b4, c2, d10), (a22, b4, c2, d11), (a22, b4, c2, d12), (a22, b4, c2, d1
3), (a22, b4, c2, d14), (a22, b4, c2, d15), (a22, b4, c2, d16), (a22, b4, c2, d1
7), (a22, b4, c2, d18), (a22, b4, c2, d19), (a22, b4, c2, d20), (a22, b4, c2, d2
1), (a22, b4, c2, d22), (a22, b4, c3, d1), (a22, b4, c3, d2), (a22, b4, c3, d3),
(a22, b4, c3, d4), (a22, b4, c3, d5), (a22, b4, c3, d6), (a22, b4, c3, d7), (a
22, b4, c3, d8), (a22, b4, c3, d9), (a22, b4, c3, d10), (a22, b4, c3, d11), (a22
, b4, c3, d12), (a22, b4, c3, d13), (a22, b4, c3, d14), (a22, b4, c3, d15), (a22
, b4, c3, d16), (a22, b4, c3, d17), (a22, b4, c3, d18), (a22, b4, c3, d19), (a22
, b4, c3, d 20), (a22, b4, c3, d21), (a22, b4, c3, d22), (a22, b5, c1, d1), (a22
, b5, c1, d2), (a22, b5, c1, d3), (a22, b5, c1, d4), (a22, b5, c1, d5), (a22, b5
, c1, d6), (a22, b5, c1, d7), (a22, b5, c1, d8), (a22, b5, c1, d9), (a22, b5, c1
, d10), (a22, b5, c1, d11), (a22, b5, c1, d12), (a22, b5, c1, d13), (a22, b5, c1
, d14), (a22, b5, c1, d15), (a22, b5, c1, d16), (a22, b5, c1, d17), (a22, b5, c1
, d18), (a22, b5, c1, d19), (a22, b5, c1, d20), (a22, b5, c1, d21), (a22, b5, c1
, d22), (a22, b5, c2, d1), (a22, b5, c2, d2) , (a22, b5, c2, d3), (a22, b5, c2,
d4), (a22, b5, c2, d5), (a22, b5, c2, d6), (a22, b5, c2, d7), (a22, b5, c2, d8),
(a22, b5, c2, d9), (a22, b5, c2, d10), (a22, b5, c2, d11), (a22, b5, c2, d12),
(a22, b5, c2, d13), (a22, b5, c2, d14), (a22, b5, c2, d15), (a22, b5, c2, d16),
(a22, b5, c2, d17), (a22, b5, c2, d18), (a22, b5, c2, d19), (a22, b5, c2, d20),
(a22, b5, c2, d21), (a22, b5, c2, d22), (a22, b5, c3, d1), (a22, b5, c3, d2), (
a22, b5, c3, d3), (a22, b5, c3, d4), (a22, b5, c3, d5), (a22, b5, c3, d6), (a2 2
, b5, c3, d7), (a22, b5, c3, d8), (a22, b5, c3, d9), (a22, b5, c3, d10), (a22, b
5, c3, d11), (a22, b5, c3, d12), (a22, b5, c3, d13), (a22, b5, c3, d14), (a22, b
5, c3, d15), (a22, b5, c3, d16), (a22, b5, c3, d17), (a22, b5, c3, d18), (a22, b
5, c3, d19), (a 22, b5, c3, d20), (a22, b5, c3, d21), (a22, b5, c3, d22), (a22,
b6, c1, d1), (a22, b6, c1, d2), (a22, b6, c1, d3), (a22, b6, c1, d4), (a22, b6,
c1, d5), (a22, b6, c1, d6), (a22, b6, c1, d7), (a22, b6, c1, d8), (a22, b6, c1,
d9), (a22, b6, c1, d10), (a22, b 6, c1, d11), (a22, b6, c1, d12), (a22, b6, c1,
d13), (a22, b6, c1, d14), (a22, b6, c1, d15), (a22, b6, c1, d16), (a22, b6, c1,
d17), (a22, b6, c1, d18), (a22, b6, c1, d19), (a22, b6, c1, d20), (a22, b6, c1,
d21), (a22, b6, c1, d22), (a22, b6, c2, d1), (a22 , b6, c2, d2), (a22, b6, c2, d
3), (a22, b6, c2, d4), (a22, b6, c2, d5), (a22, b6, c2, d6), (a22, b6, c2, d7),
(a22, b6, c2, d8), (a22, b6, c2, d9), (a22, b6, c2, d10), (a22, b6, c2, d11), (a
22, b6, c2, d12), (a22, b6, c2, d13), (a22, b6, c2, d14), (a22, b6 , c2, d15), (
a22, b6, c2, d16), (a22, b6, c2, d17), (a22, b6, c2, d18), (a22, b6, c2, d19), (
a22, b6, c2, d20), (a22, b6, c2, d21), (a22, b6, c2, d22), (a22, b6, c3, d1), (a
22, b6, c3, d2), (a22, b6, c3, d3), (a22, b6, c3, d4), (a22, b6, c3, d5), (a22,
b6, c3, d6), (a22, b6, c3, d7), (a22, b6, c3, d8), (a22, b6, c3, d9), (a22, b6,
c3, d10), (a22, b6, c3, d11), (a22, b6, c3, d12), (a22, b6, c3, d13), (a22, b6,
c3, d14), (a22, b6, c3, d15), (a22, b6, c3, d16), (a22, b6, c3, d17), (a22, b6,
c3, d18), (a22, b6, c3, d19), (a22, b6, c3, d20), (a22, b6, c3, d21), (a22, b6
, c3, d22), (a23, b1, c1, d1), (a23, b1, c1, d2), (a23, b1, c1, d3), (a23, b1, c
1, d4), (a23, b1, c1, d5), (a23, b1, c1, d6), (a23, b1, c1, d7), (a23, b1, c1, d
8), (a23, b1, c1, d9), (a23, b1, c1, d10), (a23, b1, c1, d11), (a23, b1, c1, d12
), (a23, b1, c1, d13), (a23, b1, c1, d14), (a23, b1, c1, d15), (a23, b1, c1, d16
), (a23, b1, c1, d17), (a23, b1, c1, d18), (a23, b1, c1, d19), (a23, b1, c1, d20
), (a23, b1, c1, d21), (a23, b1, c1, d22), (a23, b1, c2, d1), (a23, b1, c2, d2),
(a23, b1, c2, d3), (a23, b1, c2, d4), (a23, b1, c2, d5), (a23, b1, c2, d6), (a2
3, b1, c2, d7), (a23, b1, c2, d8), (a23, b1, c2, d9), (a23, b1, c2, d10), (a23,

b1, c2, d11), (a23, b1, c2, d12), (a23, b1, c2, d13), (a23, b1, c2, d 14), (a23, b1, c2, d15), (a23, b1, c2, d16), (a23, b1, c2, d17), (a23, b1, c2, d18), (a23, b1, c2, d19), (a23, b1, c2, d20), (a23, b1, c2, d21), (a23, b1, c2, d22), (a23, b1, c3, d1), (a23, b1, c3, d2), (a23, b1, c3, d3), (a23, b1, c3, d4), (a23, b1, c3, d 5), (a23, b1, c3, d6), (a23, b1, c3, d7), (a23, b1, c3, d8), (a23, b1, c3, d9), (a23, b1, c3, d10), (a23, b1, c3, d11), (a23, b1, c3, d12), (a23, b1, c3, d13), (a23, b1, c3, d14), (a23, b1, c3, d15), (a23, b1, c3, d16), (a23, b1, c3, d17), (a23, b1, c3, d1 8), (a23, b1, c3, d19), (a23, b1, c3, d20), (a23, b1, c3, d21), (a23, b1, c3, d22), (a23, b2, c1, d1), (a23, b2, c1, d2), (a23, b2, c1, d3), (a23, b2, c1, d4), (a23, b2, c1, d5), (a23, b2, c1, d6), (a23, b2, c1, d7), (a23, b2, c1, d8), (a23, b2, c1, d9), (a23, b2, c1, d10), (a23, b2, c1, d11), (a23, b2, c1, d12), (a23, b2, c1, d13), (a23, b2, c1, d14), (a23, b2, c1, d15), (a23, b2, c1, d16), (a23, b2, c1, d17), (a23, b2, c1, d18), (a23, b2, c1, d19), (a23, b2, c1, d20), (a23, b2, c1, d21), (a23, b2, c1, d22), (a23, b2, c2, d1), (a23, b2, c2, d2), (a23, b2, c2, d3), (a23, b2, c2, d4), (a23, b2, c2, d5), (a23, b2, c2, d6), (a23, b2, c2, d7), (a23, b2, c2, d8), (a23, b2, c2, d9), (a23, b2, c2, d10), (a23, b2, c2, d11), (a23, b2, c2, d12), (a23, b2, c2, d13), (a 23, b2, c2, d14), (a23, b2, c2, d15), (a23, b2, c2, d16), (a23, b2, c2, d17), (a23, b2, c2, d18), (a23, b2, c2, d19), (a23, b2, c2, d20), (a23, b2, c2, d21), (a23, b2, c2, d22), (a23, b2, c3, d1), (a23, b2, c3, d2), (a23, b2, c3, d3), (a23, b2, c3, d4), (a 23, b2, c3, d5), (a23, b2, c3, d6), (a23, b2, c3, d7), (a23, b2, c3, d8), (a23, b2, c3, d9), (a23, b2, c3, d10), (a23, b2, c3, d11), (a23, b2, c3, d 12), (a23, b2, c3, d13), (a23, b2, c3, d14), (a23, b2, c3, d15), (a23, b2, c3, d 16), (a23, b2, c3, d17), (a2 3, b2, c3, d18), (a23, b2, c3, d19), (a23, b2, c3, d20), (a23, b2, c3, d21), (a23, b2, c3, d22), (a23, b3, c1, d1), (a23, b3, c1, d 2), (a23, b3, c1, d3), (a23, b3, c1, d4), (a23, b3, c1, d5), (a23, b3, c1, d6), (a23, b3, c1, d7), (a23, b3, c1, d8), (a23, b 3, c1, d9), (a23, b3, c1, d10), (a 23, b3, c1, d11), (a23, b3, c1, d12), (a23, b3, c1, d13), (a23, b3, c1, d14), (a 23, b3, c1, d15), (a23, b3, c1, d16), (a23, b3, c1, d17), (a23, b3, c1, d18), (a 23, b3, c1, d19), (a23, b3, c1, d20), (a23, b3, c1, d21), (a23 , b3, c1, d22), (a23, b3, c2, d1), (a23, b3, c2, d2), (a23, b3, c2, d3), (a23, b3, c2, d4), (a23, b3, c2, d5), (a23, b3, c2, d6), (a23, b3, c2, d7), (a23, b3, c2, d8), (a23, b3, c2, d9), (a23, b3, c2, d10), (a23, b3, c2, d11), (a23, b3, c2, d12), (a23, b3, c2, d13), (a23, b3, c2, d14), (a23, b3, c2, d15), (a23, b3, c2, d16), (a23, b3, c2, d17), (a23, b3, c2, d18), (a23, b3, c2, d19), (a23, b3, c2, d20), (a23, b3, c2, d21), (a23, b3, c2, d22), (a23, b3, c3, d1), (a23, b3, c3, d2), (a23, b3, c 3, d3), (a23, b3 , c3, d4), (a23, b3, c3, d5), (a23, b3, c3, d6), (a23, b3, c3, d7), (a23, b3, c3, d8), (a23, b3, c3, d9), (a23, b3, c3, d10), (a23, b3, c3, d11), (a23, b3, c3, d12), (a23, b3, c3, d13), (a23, b3, c3, d14), (a23, b3, c3, d15), (a23, b3, c3, d16), (a23, b3, c3, d17), (a23, b3, c3, d18), (a23, b3, c3, d19), (a23, b3, c3, d20), (a23, b3, c3, d21), (a23, b3, c3, d22), (a23, b4, c1, d1) , (a23, b4, c1, d2), (a23, b4, c1, d3), (a23, b4, c1, d4), (a23, b4, c1, d5), (a 23, b4, c1, d6), (a23, b4, c1, d7), (a23, b4, c1, d8), (a23, b4, c1, d9), (a23, b4, c1, d10), (a23, b4, c1, d11), (a23, b4, c1, d12), (a23, b4, c1, d13), (a23, b4, c1, d14), (a23, b4, c1, d15), (a23, b4, c1, d16), (a23, b4, c1, d17), (a23, b4, c1, d18), (a23, b4, c1, d19), (a23, b4, c1, d20), (a23, b4, c 1, d21), (a23 , b4, c1, d22), (a23, b4, c2, d1), (a23, b4, c2, d2), (a23, b4, c2, d3), (a23, b 4, c2, d4), (a23, b4, c2, d5), (a23, b4, c2, d6), (a23, b4, c2, d7), (a23, b4, c 2, d8), (a23, b4, c2, d9), (a23, b4, c2, d10), (a23, b4, c2, d11), (a23, b4, c2, d1 2), (a23, b4, c2, d13), (a23, b4, c2, d14), (a23, b4, c2, d15), (a23, b4, c2

10 20 30 40 50

, d16), (a23, b4, c2, d17), (a23, b4, c2, d18), (a23, b4, c2, d19), (a23, b4, c2
, d20), (a23, b4, c2, d21), (a23, b4, c2, d22), (a23, b4, c3, d1), (a23, b4, c3,
d2), (a23, b4, c3, d3), (a23, b4, c3, d4), (a23, b4, c3, d5), (a23, b4, c3, d6)
, (a23, b4, c3, d7), (a23, b4, c3, d8), (a23, b4, c3, d9), (a23, b4, c3, d10), (
a23, b4, c3, d11), (a23, b4, c3, d12), (a23, b4, c3, d13), (a23, b4, c3, d14), (
a23, b4, c3, d15), (a23, b4, c3, d16), (a23, b4, c3, d17), (a23, b4, c3, d18),
(a23, b4, c3, d19), (a23, b4, c3, d20), (a23, b4, c3, d21), (a23, b4, c3, d22),
(a23, b5, c1, d1), (a23, b5, c1, d2), (a23, b5, c1, d3), (a23, b5, c1, d4), (a23
, b5, c1, d5), (a23, b5, c1, d6), (a23, b5, c1, d7), (a23, b5, c1, d8), (a23, b5
, c1, d9), (a23, b5, c1, d10), (a23, b5, c1, d11), (a23, b5, c1, d12), (a23, b5,
c1, d13), (a23, b5, c1, d14), (a23, b5, c1, d15), (a23, b5, c1, d16), (a23, b5,
c1, d17), (a23, b5, c1, d18), (a23, b5, c1, d19), (a23, b5, c1, d20) , (a23, b5
, c1, d21), (a23, b5, c1, d22), (a23, b5, c2, d1), (a23, b5, c2, d2), (a23, b5,
c2, d3), (a23, b5, c2, d4), (a23, b5, c2, d5), (a23, b5, c2, d6), (a23, b5, c2,
d7), (a23, b5, c2, d8), (a23, b5, c2, d9), (a23, b5, c2, d10), (a23, b5, c2, d11
), (a2 3, b5, c2, d12), (a23, b5, c2, d13), (a23, b5, c2, d14), (a23, b5, c2, d1
5), (a23, b5, c2, d16), (a23, b5, c2, d17), (a23, b5, c2, d18), (a23, b5, c2, d1
9), (a23, b5, c2, d20), (a23, b5, c2, d21), (a23, b5, c2, d22), (a23, b5, c3, d1
), (a23, b5, c3, d2), (a23, b5, c3, d3), (a23, b5, c3, d4), (a23, b5, c3, d5),
(a23, b5, c3, d6), (a23, b5, c3, d7), (a23, b5, c3, d8), (a23, b5, c3, d9), (a23
, b5, c3, d10), (a23, b5, c3, d11), (a23, b5, c3, d12), (a23, b5, c3, d13), (a23
, b5, c3, d14), (a23, b5, c3, d15), (a23 , b5, c3, d16), (a23, b5, c3, d17), (a2
3, b5, c3, d18), (a23, b5, c3, d19), (a23, b5, c3, d20), (a23, b5, c3, d21), (a2
3
, b5, c3, d22), (a23, b6, c1, d1), (a23, b6, c1, d2), (a23, b6, c1, d3), (a23, b
6, c1, d4), (a23, b6, c1, d5), (a23, b6, c1, d6), (a23, b6, c1, d7), (a23, b6, c
1, d8), (a23, b6, c1, d9), (a23, b6, c1, d10), (a23, b6, c1, d11), (a23, b6, c1,
d12), (a23, b6, c1, d13), (a23, b6, c1, d14), (a23, b6, c1, d15), (a23, b6, c1,
d16), (a23, b6, c1, d17), (a23, b6, c1, d18), (a23, b6, c1, d19), (a23, b6, c1
, d20), (a23, b6, c1, d21), (a23, b6, c1, d22), (a23, b6, c2, d1), (a23, b6, c2,
d2), (a23, b6, c2, d3), (a23, b6, c2, d4), (a23, b6, c2, d5), (a23, b6, c2, d6)
, (a23, b6, c2, d7), (a23, b6, c2, d8), (a23, b6, c2, d9), (a23, b6, c2, d10), (
a23, b6, c2, d11), (a23, b6, c2, d12), (a23, b6, c2, d13), (a23, b6, c2, d14), (
a23, b6, c2, d15), (a23, b6, c2, d16), (a23, b6, c2, d17), (a23, b6, c2, d18), (
a23, b6, c2, d19), (a23, b6, c2, d20), (a23, b6, c2, d21), (a23, b6, c2, d22), (
a23, b6, c3, d1), (a23, b 6, c3, d2), (a23, b6, c3, d3), (a23, b6, c3, d4), (a23
, b6, c3, d5), (a23, b6, c3, d6), (a23, b6, c3, d7), (a23, b6, c3, d8), (a23, b6
, c3, d9), (a23, b6, c3, d10), (a23, b6, c3, d11), (a23, b6, c3, d12), (a23, b6,
c3, d13), (a23, b6, c3, d14), (a23, b6, c 3, d15), (a23, b6, c3, d16), (a23, b6
, c3, d17), (a23, b6, c3, d18), (a23, b6, c3, d19), (a23, b6, c3, d20), (a23, b6
, c3, d21), (a23, b6, c3, d22), (a24, b1, c1, d1), (a24, b1, c1, d2), (a24, b1,
c1, d3), (a24, b1, c1, d4), (a24, b1, c1, d5), (a24, b1, c1 , d6), (a24, b1, c1,
d7), (a24, b1, c1, d8), (a24, b1, c1, d9), (a24, b1, c1, d10), (a24, b1, c1, d1
1), (a24, b1, c1, d12), (a24, b1, c1, d13), (a24, b1, c1, d14), (a24, b1, c1, d1
5), (a24, b1, c1, d16), (a24, b1, c1, d17), (a24, b1, c1, d18), (a24, b1, c1 , d
19), (a24, b1, c1, d20), (a24, b1, c1, d21), (a24, b1, c1, d22), (a24, b1, c2, d
1), (a24, b1, c2, d2), (a24, b1, c2, d3), (a24, b1, c2, d4), (a24, b1, c2, d5),
(a24, b1, c2, d6), (a24, b1, c2, d7), (a24, b1, c2, d8), (a24, b1, c2, d9), (a24
, b1, c2, d10), (a24, b1, c2, d11), (a24, b1, c2, d12), (a24, b1, c2, d13), (a2
4, b1, c2, d14), (a24, b1, c2, d15), (a24, b1, c2, d16), (a24, b1, c2, d17), (a2

4, b1, c2, d18), (a24, b1, c2, d19), (a24, b1, c2, d20), (a24, b1, c2, d21), (a2
4, b1, c2, d22), (a24, b1, c3, d1), (a24, b1, c3, d2), (a24, b1, c3, d3), (a24,
b1, c3, d4), (a24, b1, c3, d5), (a24, b1, c3, d6), (a24, b1, c3, d7), (a24, b1,
c3, d8), (a24, b1, c3, d9), (a24, b1, c3, d10), (a24, b1, c3, d11), (a24, b1, c
3, d12), (a24, b1, c3, d13), (a24, b1, c3, d14) , (a24, b1, c3, d15), (a24, b1,
c3, d16), (a24, b1, c3, d17), (a24, b1, c3, d18), (a24, b1, c3, d19), (a24, b1,
c3, d20), (a24, b1, c3, d21), (a24, b1, c3, d22), (a24, b2, c1, d1), (a24, b2, c
1, d2), (a24, b2, c1, d3), (a24, b2, c1, d4), (a24, b2, c1, d5), (a24, b2, c1,
d6), (a24, b2, c1, d7), (a24, b2, c1, d8), (a24, b2, c1, d9), (a24, b2, c1, d10)
, (a24, b2, c1, d11), (a24, b2, c1, d12), (a24, b2, c1, d13), (a24, b2, c1, d14)
, (a24, b2, c1, d15), (a24, b2, c1, d16), (a24, b2, c1, d17), (a24, b2, c1, d18)
, (a24, b2, c1, d19), (a24, b2, c1, d20), (a24, b2, c1, d21), (a24, b2, c1, d22
), (a24, b2, c2, d1), (a24, b2, c2, d2), (a24, b2, c2, d3), (a24, b2, c2, d4), (
a24, b2, c2, d5), (a24, b2, c2, d6), (a24, b2, c2, d7), (a24, b2, c2, d8), (a24,
b2, c2, d9), (a24 , b2, c2, d10), (a24, b2, c2, d11), (a24, b2, c2, d12), (a24,
b2, c2, d13), (a24, b2, c2, d14), (a24, b2, c2, d15), (a24, b2, c2, d16), (a24,
b2, c2, d17), (a24, b2, c2, d18), (a24, b2, c2, d19), (a24, b2, c2, d20), (a24,
b2, c2, d21), (a24, b2, c2, d22), (a24, b2, c3, d1), (a24, b2, c3, d2), (a24, b
2, c3, d3), (a24, b2, c3, d4), (a24, b2, c3, d5), (a24, b2, c3, d6), (a24, b2, c
3, d7), (a24, b2, c3, d8), (a24, b2, c3, d9), (a24, b2, c3, d10), (a24, b2, c3,
d11), (a24, b2, c3, d12), (a24, b2, c3, d13), (a24, b2, c3, d14), (a24, b2, c3,
d15), (a24, b2, c3, d16), (a24, b2, c3, d17), (a24, b2, c3, d18), (a24, b2, c3,
d19), (a24, b2, c3, d20), (a24, b2, c3, d21), (a24, b2, c3, d22), (a24, b3, c1,
d1), (a24, b3, c1, d2), (a24, b3, c1, d3), (a24, b3, c1, d4), (a24, b3, c1, d5
), (a24, b3, c1, d6), (a24, b3, c1, d7), (a24, b3, c1, d8), (a24, b3, c1, d9), (
a24, b3, c1, d10), (a24, b3, c1, d11), (a24, b3, c1, d12), (a24, b3, c1, d13), (
a24, b3, c1, d14), (a24, b3, c1, d15), (a24, b3, c1, d16), (a24, b3, c1, d17), (
a24, b3, c1, d18), (a24, b3, c1, d19), (a24, b3, c1, d20), (a24, b3, c1, d21), (
a24, b3, c1, d22), (a24, b3, c2, d1), (a24, b3, c2, d2), (a24, b3, c2, d3), (a24
, b3, c2, d4), (a24, b3, c2, d5), (a24, b3, c2, d6), (a24, b3, c2, d7), (a24, b3
, c2, d8), (a24, b3, c2, d9), (a24, b3, c2, d10), (a24, b3, c2, d11), (a24, b3,
c2, d12), (a24, b3, c2, d13), (a24, b3, c2, d14), (a24, b3, c2, d15), (a24, b3,
c2, d16), (a24, b3, c2, d17), (a24, b3, c2, d18), (a24, b3, c2, d19), (a24, b3,
c2, d20), (a24, b3, c2, d21), (a24, b 3, c2, d22), (a24, b3, c3, d1), (a24, b3,
c3, d2), (a24, b3, c3, d3), (a24, b3, c3, d4), (a24, b3, c3, d5), (a24, b3, c3,
d6), (a24, b3, c3, d7), (a24, b3, c3, d8), (a24, b3, c3, d9), (a24, b3, c3, d10)
, (a24, b3, c3, d11), (a24, b3, c3, d12), (a24, b3, c3 , d13), (a24, b3, c3, d14
), (a24, b3, c3, d15), (a24, b3, c3, d16), (a24, b3, c3, d17), (a24, b3, c3, d18
), (a24, b3, c3, d19), (a24, b3, c3, d20), (a24, b3, c3, d21), (a24, b3, c3, d22
), (a24, b4, c1, d1), (a24, b4, c1, d2), (a24, b4, c1, d3), (a24, b4, c 1, d4),
(a24, b4, c1, d5), (a24, b4, c1, d6), (a24, b4, c1, d7), (a24, b4, c1, d8), (a24
, b4, c1, d9), (a24, b4, c1, d10), (a24, b4, c1, d11), (a24, b4, c1, d12), (a24,
b4, c1, d13), (a24, b4, c1, d14), (a24, b4, c1, d15), (a24, b4, c1, d16), (a24,
b4, c1, d17), (a24, b4, c1, d18), (a24, b4, c1, d19), (a24, b4, c1, d20), (a24
, b4, c1, d21), (a24, b4, c1, d22), (a24, b4, c2, d1), (a24, b4, c2, d2), (a24,
b4, c2, d3), (a24, b4, c2, d4), (a24, b4, c2, d5), (a24, b4, c2, d6), (a24, b4,
c2, d7), (a24, b4, c2, d8), (a24, b4, c2, d9), (a24, b4, c2, d10), (a24, b4, c2
, d11), (a24, b4, c2, d12), (a24, b4, c2, d13), (a24, b4, c2, d14), (a24, b4, c2
, d15), (a24, b4, c2, d16), (a24, b4, c2, d17), (a24, b4, c2, d18), (a24, b4, c2
, d19), (a24, b4, c2, d20), (a24, b4, c2, d21), (a24, b4, c2, d22), (a24, b4, c3

, d1), (a24, b4, c3, d2), (a24, b4, c3, d3), (a24, b4, c3, d4), (a24, b4, c3, d5), (a24, b4, c3, d6), (a24, b4, c3, d7), (a24, b4, c3, d8), (a24, b4, c3, d9), (a24, b4, c3, d10), (a24, b4, c3, d11), (a24, b4, c3, d12), (a24, b4, c3, d13), (a24, b4, c3, d14), (a24, b4, c3, d15), (a24, b4, c3, d16), (a24, b4, c3, d17), (a24, b4, c3, d18), (a24, b4, c3, d19), (a24, b4, c3, d20), (a24, b4, c3, d21), (a24, b4, c3, d22), (a24, b5, c1, d1), (a24, b5, c1, d2), (a24, b5, c1, d3) , (a 24, b5, c1, d4), (a24, b5, c1, d5), (a24, b5, c1, d6), (a24, b5, c1, d7), (a24, b5, c1, d8), (a24, b5, c1, d9), (a24, b5, c1, d10), (a24, b5, c1, d11), (a24, b5 , c1, d12), (a24, b5, c1, d13), (a24, b5, c1, d14), (a24, b5, c1, d15), (a24, b5 , c1, d16), (a24, b5, c1, d17), (a24, b5, c1, d18), (a24, b5, c1, d19), (a24, b5 , c1, d20), (a24, b5, c1, d21), (a24, b5, c1, d22), (a24, b5, c2, d1), (a24, b5, c2, d2), (a24, b5, c2, d3), (a24, b5, c2, d4), (a24, b5, c2, d5), (a24, b5, c2, d6), (a24, b5, c2, d7), (a2 4, b5, c2, d8), (a24, b5, c2, d9), (a24, b5, c2, d1 0), (a24, b5, c2, d11), (a24, b5, c2, d12), (a24, b5, c2, d13), (a24, b5, c2, d1 4), (a24, b5, c2, d15), (a24, b5, c2, d16), (a24, b5, c2, d17), (a24, b5, c2, d1 8), (a24, b5, c2, d19), (a24, b5, c2, d20), (a24, b5, c2, d21), (a24, b5, c2, d 22), (a24, b5, c3, d1), (a24, b5, c3, d2), (a24, b5, c3, d3), (a24, b5, c3, d4), (a24, b5, c3, d5), (a24, b5, c3, d6), (a24, b5, c3, d7), (a24, b5, c3, d8), (a2 4, b5, c3, d9), (a24, b5, c3, d10), (a24, b5, c3, d11), (a24, b5, c3, d12), (a24 , b5, c3, d13), (a24, b5, c3, d14), (a24, b5, c3, d15), (a24, b5, c3, d16), (a24 , b5, c3, d17), (a24, b5, c3, d18), (a24, b5, c3, d19), (a24, b5, c3, d20), (a24 , b5, c3, d21), (a24, b5, c3, d22), (a24, b6, c1, d1), (a24, b6, c1, d2), (a24 , b6, c1, d3), (a24, b6, c1, d4), (a24, b6, c1, d5), (a24, b6, c1, d6), (a24, b6, c1, d7), (a24, b6, c1, d8), (a24, b6, c1, d9), (a24, b6, c1, d10), (a24, b6, c1 , d11), (a24, b6, c1, d12), (a24, b6, c1, d13), (a24, b6, c1, d14), (a24, b6, c1 , d15), (a24, b 6, c1, d16), (a24, b6, c1, d17), (a24, b6, c1, d18), (a24, b6, c 1, d19), (a24, b6, c1, d20), (a24, b6, c1, d21), (a24, b6, c1, d22), (a24, b6, c 2, d1), (a24, b6, c2, d2), (a24, b6, c2, d3), (a24, b6, c2, d4), (a24, b6, c2, d 5), (a24, b6, c2, d6), (a24, b6, c2, d7), (a24, b6, c2, d8), (a24, b6, c2, d9), (a24, b6, c2, d10), (a24, b6, c2, d11), (a24, b6, c2, d12), (a24, b6, c2, d13), (a24, b6, c2, d14), (a24, b6, c2, d15), (a24, b6, c2, d16), (a24, b6, c2, d17), (a24, b6, c2, d18), (a24, b6, c2, d19), (a24, b6 , c2, d20), (a24, b6, c2, d21) , (a24, b6, c2, d22), (a24, b6, c3, d1), (a24, b6, c3, d2), (a24, b6, c3, d3), (a24, b6, c3, d4), (a24, b6, c3, d5), (a24, b6, c3, d6), (a24, b6, c3, d7), (a24, b6, c3, d8), (a24, b6, c3, d9), (a24, b6, c3, d10), (a24, b6, c3, d11), (a24, b6, c3, d12), (a24, b6, c3, d13), (a24, b6, c3, d14), (a24, b6, c3, d15), (a24, b6, c3, d16), (a24, b6, c3, d17), (a24, b6, c3, d18), (a24, b6, c3, d19), (a24, b6, c3, d20), (a24, b6, c3, d21), (a24, b6, c3, d22), (a25, b1, c1, d1), (a25, b 1, c1, d2), (a25, b1, c1, d3), (a25, b1, c1, d4), (a25, b1, c1, d5), (a25, b1, c 1, d6), (a25, b1, c1, d7), (a25, b1, c1, d8), (a25, b1, c1, d9), (a25, b1, c1, d 10), (a25, b1, c1, d11), (a25, b1, c1, d12), (a25, b1, c1, d13), (a25, b1, c1, d 14), (a25, b1, c1, d15), (a25, b1, c1, d16), (a25, b1, c1, d17), (a25, b1, c1, d 18), (a25, b1, c1, d19), (a25, b1, c1, d20), (a25, b1, c1, d21), (a25, b1, c1, d 22), (a25, b1, c2, d1), (a25, b1, c2, d2), (a25, b1, c2, d3), (a25, b1, c2, d4), (a25, b1, c2, d5), (a25, b1, c2, d 6), (a25, b1, c2, d7), (a25, b1, c2, d8), (a 25, b1, c2, d9), (a25, b1, c2, d10), (a25, b1, c2, d11), (a25, b1, c2, d12), (a2 5, b1, c2, d13), (a25, b1, c2, d14), (a25, b1, c2, d15), (a25, b1, c2, d16), (a2 5, b1, c2, d17), (a25, b1, c2, d18), (a25, b1, c2, d 19), (a25, b1, c2, d20), (a 25, b1, c2, d21), (a25, b1, c2, d22), (a25, b1, c3, d1), (a25, b1, c3, d2), (a25 , b1, c3, d3), (a25, b1, c3, d4), (a25, b1, c3, d5), (a25, b1, c3, d6), (a25, b1

, c3, d7), (a25, b1, c3, d8), (a25, b1, c3, d9), (a25, b1, c3, d10), (a25, b1, c
3, d11), (a25, b1, c3, d12), (a25, b1, c3, d13), (a25, b1, c3, d14), (a25, b1, c
3
, d15), (a25, b1, c3, d16), (a25, b1, c3, d17), (a25, b1, c3, d18), (a25, b1, c3
, d19), (a25, b1, c3, d20), (a25, b1, c3, d21), (a25, b1, c3, d22), (a25, b2, c1
, d1), (a25, b2, c1, d2), (a25, b2, c1, d3), (a25, b2, c1, d4), (a25, b2, c1, d
5), (a25, b2, c1, d6), (a25, b2, c1, d7), (a25, b2, c1, d8), (a25, b2, c1, d9),
(a25, b2, c1, d10), (a25, b2, c1, d11), (a25, b2, c1, d12), (a25, b2, c1, d13),
(a25, b2, c1, d14), (a25, b2, c1, d15), (a25, b2, c1, d16), (a25, b2, c1, d17),
(a25, b2, c1, d18), (a25, b2, c1, d19), (a25, b2, c1, d20), (a25, b2, c1, d21),
(a25, b2, c1, d22), (a25, b2, c2, d1), (a25, b2, c2, d2), (a25, b2, c2, d3), (a
25, b2, c2, d4), (a25, b2, c2, d5), (a 25, b2, c2, d6), (a25, b2, c2, d7), (a25,
b2, c2, d8), (a25, b2, c2, d9), (a25, b2, c2, d10), (a25, b2, c2, d11), (a25, b
2, c2, d12), (a25, b2, c2, d13), (a25, b2, c2, d14), (a25, b2, c2, d15), (a25, b
2, c2, d16), (a25, b2, c2, d17), (a25, b2, c2, d18), (a 25, b2, c2, d19), (a25,
b2, c2, d20), (a25, b2, c2, d21), (a25, b2, c2, d22), (a25, b2, c3, d1), (a25, b
2, c3, d2), (a25, b2, c3, d3), (a25, b2, c3, d4), (a25, b2, c3, d5), (a25, b2, c
3, d6), (a25, b2, c3, d7), (a25, b2, c3, d8), (a25, b2, c3, d9), (a25, b 2, c3,
d10), (a25, b2, c3, d11), (a25, b2, c3, d12), (a25, b2, c3, d13), (a25, b2, c3,
d14), (a25, b2, c3, d15), (a25, b2, c3, d16), (a25, b2, c3, d17), (a25, b2, c3,
d18), (a25, b2, c3, d19), (a25, b2, c3, d20), (a25, b2, c3, d21), (a25, b2, c3,
d22), (a2 5, b3, c1, d1), (a25, b3, c1, d2), (a25, b3, c1, d3), (a25, b3, c1, d4
), (a25, b3, c1, d5), (a25, b3, c1, d6), (a25, b3, c1, d7), (a25, b3, c1, d8), (
a25, b3, c1, d9), (a25, b3, c1, d10), (a25, b3, c1, d11), (a25, b3, c1, d12), (a
25, b3, c1, d13), (a25, b3 , c1, d14), (a25, b3, c1, d15), (a25, b3, c1, d16), (
a25, b3, c1, d17), (a25, b3, c1, d18), (a25, b3, c1, d19), (a25, b3, c1, d20), (
a25, b3, c1, d21), (a25, b3, c1, d22), (a25, b3, c2, d1), (a25, b3, c2, d2), (a2
5, b3, c2, d3), (a25, b3, c2, d4), (a25, b3 , c2, d5), (a25, b3, c2, d6), (a25,
b3, c2, d7), (a25, b3, c2, d8), (a25, b3, c2, d9), (a25, b3, c2, d10), (a25, b3,
c2, d11), (a25, b3, c2, d12), (a25, b3, c2, d13), (a25, b3, c2, d14), (a25, b3,
c2, d15), (a25, b3, c2, d16), (a25, b3, c2, d17), (a25, b3, c2, d18), (a25, b3
, c2, d19), (a25, b3, c2, d20), (a25, b3, c2, d21), (a25, b3, c2, d22), (a25, b3
, c3, d1), (a25, b3, c3, d2), (a25, b3, c3, d3), (a25, b3, c3, d4), (a25, b3, c3
, d5), (a25, b3, c3, d6), (a25, b3, c3, d7), (a25, b3, c3, d8), (a25, b3, c3, d
9), (a25, b3, c3, d10), (a25, b3, c3, d11), (a25, b3, c3, d12), (a25, b3, c3, d1
3), (a25, b3, c3, d14), (a25, b3, c3, d15), (a25, b3, c3, d16), (a25, b3, c3, d1
7), (a25, b3, c3, d18), (a25, b3, c3, d19), (a25, b3, c3, d20), (a25, b3, c3, d2
1), (a25, b3, c3, d22), (a25, b4, c1, d1), (a25, b4, c1, d2), (a25, b4, c1, d3),
(a25, b4, c1, d4), (a25, b4, c1, d5), (a25, b4, c1, d6), (a25, b4, c1, d7), (a2
5, b4, c1, d8), (a25, b4, c1, d9), (a25, b4, c1, d10), (a25, b4, c1, d11), (a25,
b4, c1, d12), (a25, b4, c1, d 13), (a25, b4, c1, d14), (a25, b4, c1, d15), (a25
, b4, c1, d16), (a25, b4, c1, d17), (a25, b4, c1, d18), (a25, b4, c1, d19), (a25
, b4, c1, d20), (a25, b4, c1, d21), (a25, b4, c1, d22), (a25, b4, c2, d1), (a25,
b4, c2, d2), (a25, b4, c2, d3), (a25, b4, c2, d4), (a25, b4, c2, d5), (a25, b4,
c2, d6), (a25, b4, c2, d7), (a25, b4, c2, d8), (a25, b4, c2, d9), (a25, b4, c2,
d10), (a25, b4, c2, d11), (a25, b4, c2, d12), (a25, b4, c2, d13), (a25, b4, c2,
d14), (a25, b4, c2, d15), (a25, b4, c2, d16), (a25, b4, c2, d1 7), (a25, b4, c2
, d18), (a25, b4, c2, d19), (a25, b4, c2, d20), (a25, b4, c2, d21), (a25, b4, c2
, d22), (a25, b4, c3, d1), (a25, b4, c3, d2), (a25, b4, c3, d3), (a25, b4, c3, d
4), (a25, b4, c3, d5), (a25, b4, c3, d6), (a25, b4, c3, d7), (a25, b4, c3, d8),

(a25, b4, c3, d9), (a25, b4, c3, d10), (a25, b4, c3, d11), (a25, b4, c3, d12), (a25, b4, c3, d13), (a25, b4, c3, d14), (a25, b4, c3, d15), (a25, b4, c3, d16), (a25, b4, c3, d17), (a25, b4, c3, d18), (a25, b4, c3, d19), (a25, b4, c3, d20), (a25, b4, c3, d21), (a25, b4, c3, d22), (a25, b5, c1, d1), (a25, b5, c1, d2), (a 25, b5, c1, d3), (a25, b5, c1, d4), (a25, b5, c1, d5), (a25, b5, c1, d6), (a25, b5, c1, d7), (a25, b5, c1, d8), (a25, b5, c1, d9), (a25, b5, c1, d10), (a25, b5, c1, d11), (a25, b5, c1, d12), (a 25, b5, c1, d13), (a25, b5, c1, d14), (a25, b5 , c1, d15), (a25, b5, c1, d16), (a25, b5, c1, d17), (a25, b5, c1, d18), (a25, b5 , c1, d19), (a25, b5, c1, d20), (a25, b5, c1, d21), (a25, b5, c1, d22), (a25, b5 , c2, d1), (a25, b5, c2, d2), (a25, b5, c2, d3), (a25, b5, c2, d4), (a25, b5, c 2, d5), (a25, b5, c2, d6), (a25, b5, c2, d7), (a25, b5, c2, d8), (a25, b5, c2, d 9), (a25, b5, c2, d10), (a25, b5, c2, d11), (a25, b5, c2, d12), (a25, b5, c2, d1 3), (a25, b5, c2, d14), (a25, b5, c2, d15), (a25, b5, c2, d16), (a2 5, b5, c2, d 17), (a25, b5, c2, d18), (a25, b5, c2, d19), (a25, b5, c2, d20), (a25, b5, c2, d 21), (a25, b5, c2, d22), (a25, b5, c3, d1), (a25, b5, c3, d2), (a25, b5, c3, d3) , (a25, b5, c3, d4), (a25, b5, c3, d5), (a25, b5, c3, d6), (a25, b5, c3, d7), (a 25, b5, c3, d8), (a25, b5, c3, d9), (a25, b5, c3, d10), (a25, b5, c3, d11), (a25 , b5, c3, d12), (a25, b5, c3, d13), (a25, b5, c3, d14), (a25, b5, c3, d15), (a25 , b5, c3, d16), (a25, b5, c3, d17), (a25, b5, c3, d18), (a25, b5, c3, d19), (a25 , b5, c3, d20), (a25 , b5, c3, d21), (a25, b5, c3, d22), (a25, b6, c1, d1), (a25 , b6, c1, d2), (a25, b6, c1, d3), (a25, b6, c1, d4), (a25, b6, c1, d5), (a25, b6 , c1, d6), (a25, b6, c1, d7), (a25, b6, c1, d8), (a25, b6, c1, d9), (a25, b6, c1 , d10), (a25, b6, c1, d11), (a25, b6, c1, d12), (a25, b6, c1, d13), (a25, b6, c 1, d14), (a25, b6, c1, d15), (a25, b6, c1, d16), (a25, b6, c1, d17), (a25, b6, c 1, d18), (a25, b6, c1, d19), (a25, b6, c1, d20), (a25, b6, c1, d21), (a25, b6, c 1, d22), (a25, b6, c2, d1), (a25, b6, c2, d2), (a25, b 6, c2, d3), (a25, b6, c2, d4), (a25, b6, c2, d5), (a25, b6, c2, d6), (a25, b6, c2, d7), (a25, b6, c2, d8) , (a25, b6, c2, d9), (a25, b6, c2, d10), (a25, b6, c2, d11), (a25, b6, c2, d12), (a25, b6, c2, d13), (a25, b6, c2, d14), (a25, b6, c2, d15), (a25, b6, c2, d16), (a25, b6, c2, d17), (a25, b6, c2, d18), (a25, b6, c2, d19), (a25, b6, c2, d20), (a25, b6, c2, d21), (a25, b6, c2, d22), (a25, b6, c3, d1), (a25, b6, c3, d2), (a25, b6, c3, d3), (a25, b6, c3, d4), (a25, b6, c3, d5), (a25, b6, c3, d6), (a25, b6, c3 , d7), (a25, b6, c3, d8), (a25, b6, c3, d9), (a25, b6, c3, d10), (a25, b 6, c3, d11), (a25, b6, c3, d12), (a25, b6, c3, d13), (a25, b6, c3, d14), (a25, b 6, c3, d15), (a25, b6, c3, d16), (a25, b6, c3, d17), (a25, b6, c3, d18), (a25, b 6, c3, d19), (a25, b6, c 3, d20), (a25, b6, c3, d21), (a25, b6, c3, d22), (a26, b1, c1, d1), (a26, b1, c1, d2), (a26, b1, c1, d3), (a26, b1, c1, d4), (a26, b1, c1, d5), (a26, b1, c1, d6), (a26, b1, c1, d7), (a26, b1, c1, d8), (a26, b1, c1, d9), (a26, b1, c1, d10), (a26, b1, c1, d1 1), (a26, b1, c1, d12), (a26, b1, c1, d13), (a26, b1, c1, d14), (a26, b1, c1, d15), (a26, b1, c1, d16), (a26, b1, c1, d17), (a26, b1, c1, d18), (a26, b1, c1, d19), (a26, b1, c1, d20), (a26, b1, c1, d21), (a26, b1, c1, d22), (a26, b1, c2, d1), (a26, b1, c2, d2), (a26, b1, c2, d 3), (a26, b1, c2, d4), (a26, b1, c2, d5), (a26, b1, c2, d6), (a26, b1, c2, d7), (a26, b1, c2, d8), (a26, b1, c2, d9), (a26, b1, c2, d10), (a26, b1, c2, d11), (a 26, b1, c2, d12), (a26, b1, c2, d13), (a26, b1, c2, d14), (a26, b1, c2, d15), (a26, b1, c2, d16), (a26, b1, c2, d17), (a26, b1, c2, d18), (a26, b1, c2, d19), (a26, b1, c2, d20), (a26, b1, c2, d21), (a26, b1, c2, d22), (a26, b1, c3, d1), (a 26, b1, c3, d2), (a26, b1, c3, d3), (a26, b1, c3, d4), (a26, b1, c3, d5), (a26, b1, c3, d6), (a26, b1, c3, d7), (a26, b1, c3, d8), (a26, b1, c3, d9), (a26, b1, c3, d10), (a26, b1, c3, d11), (a26, b1, c3, d12), (a26, b1, c3, d13), (a26, b1,

c3, d14), (a26, b1, c3, d15), (a26, b1, c3, d16), (a26, b1, c3, d17), (a26, b1, c3, d18), (a26, b1, c3, d19) , (a26, b1, c3, d20), (a26, b1, c3, d21), (a26, b1, c3, d22), (a26, b2, c1, d1), (a26, b2, c1, d2), (a26, b2, c1, d3), (a26, b2, c1, d4), (a26, b2, c1, d5), (a26, b2, c1, d6), (a26, b2, c1, d7), (a26, b2, c1, d8), (a26, b2, c1, d9), (a26, b2, c1, d10), (a2 6, b2, c1, d11), (a26, b2, c1, d12), (a26, b2, c1, d13), (a26, b2, c1, d14), (a26, b2, c1, d15), (a26, b2, c1, d16), (a26, b2, c1, d17), (a26, b2, c1, d18), (a26, b2, c1, d19), (a26, b2, c1, d20), (a26, b2, c1, d21), (a26, b2, c1, d22), (a26, b2, c2, d1), (a26, b2, c2, d2), (a26, b2, c2, d3), (a26, b2, c2, d4), (a26, b2, c2, d5), (a26, b2, c2, d6), (a26, b2, c2, d7), (a26, b2, c2, d8), (a26, b2, c2, d9), (a26, b2, c2, d10), (a26, b2, c2, d11), (a26, b2, c2, d12), (a26, b2, c2, d13), (a26, b2, c2, d14), (a26, b2, c2, d15), (a26, b2, c2, d16), (a26, b2, c2, d17), (a26, b2, c2, d18), (a26, b2, c2, d19), (a26, b2, c2, d20), (a26, b2, c2, d21), (a26, b2, c2, d22), (a26, b2, c3, d1), (a26, b2, c3, d2), (a26, b2, c3, d3), (a26, b2, c3, d4), (a26, b2, c3, d5), (a26, b2, c3, d6), (a26, b2, c3, d7), (a26, b2, c3, d8), (a26, b2, c3, d9), (a26, b2, c3, d10), (a26, b2, c3, d11), (a26, b2, c3, d12), (a26, b2, c3, d13), (a26, b2, c3, d14), (a26, b2, c3, d15), (a26, b2, c3, d16), (a26, b2, c3, d17), (a26, b2, c3, d18), (a26, b2, c3, d19), (a26, b2, c3, d20), (a26, b2, c3, d21), (a26, b2, c3, d22), (a26, b3, c1, d1), (a26, b3, c1, d2), (a26, b3, c1, d3), (a26, b3, c1, d4), (a26, b3, c1, d5), (a26, b3, c1, d6), (a26, b3, c1, d7), (a26, b3, c1, d8), (a26, b3, c1, d9), (a26, b3, c1, d10), (a26, b3, c1, d11), (a26, b3, c1, d12), (a26, b3, c1, d13), (a26, b3, c1, d14), (a26, b3, c1, d15), (a26, b3, c1, d16), (a26, b3, c1, d17), (a26, b3, c1, d18), (a26, b3, c1, d19), (a26, b3, c1, d20), (a26, b3, c1, d21), (a26, b3, c1, d22), (a26, b3, c2, d1), (a26, b3, c2, d2), (a26, b3, c2, d3), (a26, b3, c2, d4), (a26, b3, c2, d5), (a26, b3, c2, d6), (a26, b3, c2, d7), (a26, b3, c2, d8), (a26, b3, c2, d9), (a26, b3, c2, d10), (a26, b3, c2, d11), (a26, b3, c2, d12), (a26, b3, c2, d13), (a26, b3, c 2, d14), (a26, b3, c2, d15), (a26, b3, c2, d16), (a26, b3, c2, d17), (a26, b3, c2, d18), (a26, b3, c2, d19), (a26, b3, c2, d20), (a26, b3, c2, d21), (a26, b3, c2, d22), (a26, b3, c3, d1), (a26, b3, c3, d2), (a26, b3, c3, d3), (a26, b3, c3, d4), (a26, b3, c 3, d5), (a26, b3, c3, d6), (a26, b3, c3, d7), (a26, b3, c3, d8), (a26, b3, c3, d9), (a26, b3, c3, d10), (a26, b3, c3, d11), (a26, b3, c3, d12), (a26, b3, c3, d13), (a26, b3, c3, d14), (a26, b3, c3, d15), (a26, b3, c3, d16), (a26, b3, c3, d17), (a26, b3, c3 , d18), (a26, b3, c3, d19), (a26, b3, c3, d20), (a26, b3, c3, d21), (a26, b3, c3, d22), (a26, b4, c1, d1), (a26, b4, c1, d2), (a26, b4, c1, d3), (a26, b4, c1, d4), (a26, b4, c1, d5), (a26, b4, c1, d6), (a26, b4, c1, d7), (a26, b4, c1, d8), (a26, b4, c1, d9), (a26, b4, c1, d10), (a26, b4, c1, d11), (a26, b4, c1, d12), (a26, b4, c1, d13), (a26, b4, c1, d14), (a26, b4, c1, d15), (a26, b4, c1, d16), (a26, b4, c1, d17), (a26, b4, c1, d18), (a26, b4, c1, d19), (a26, b4, c1, d20), (a26, b4, c1, d21), (a26, b4, c1, d22), (a26, b4, c2, d1), (a26, b4, c2, d2), (a26, b4, c2, d3), (a26, b4, c2, d4), (a26, b4, c2, d5), (a26, b4, c2, d6), (a26, b4, c2, d7), (a26, b4, c2, d8), (a26, b4, c2, d9), (a26, b4, c2, d10), (a26, b4, c2, d11), (a26, b4, c2, d12), (a26, b4, c2, d13) , (a26, b4, c2, d14), (a26, b4, c2, d15), (a26, b4, c2, d16), (a26, b4, c2, d17), (a26, b4, c2, d18), (a26, b4, c2, d19), (a26, b4, c2, d20), (a26, b4, c2, d21), (a26, b4, c2, d22), (a26, b4, c3, d1), (a26, b4, c3, d2), (a26, b4, c3, d3), (a26, b4, c3, d4) , (a26, b4, c3, d5), (a26, b4, c3, d6), (a26, b4, c3, d7), (a26, b4, c3, d8), (a26, b4, c3, d9), (a26, b4, c3, d10), (a26, b4, c3, d11), (a26, b4, c3, d12), (a26, b4, c3, d13), (a26, b4, c3, d14), (a26, b4, c3, d15),

(a26, b4, c3, d16), (a26, b4, c3, d17), (a26, b4, c3, d18), (a26, b4, c3, d19), (a26, b4, c3, d20), (a26, b4, c3, d21), (a26, b4, c3, d22), (a26, b5, c1, d1), (a26, b5, c1, d2), (a26, b5, c1, d3), (a26, b5, c1, d4), (a26, b5, c1, d5), (a26, b5, c1, d6), (a26, b5, c1, d7), (a26, b5, c1, d8), (a26, b5, c1, d9), (a26, b5, c1, d10), (a26, b5, c1, d11), (a26, b5, c1, d12), (a26, b5, c1, d13), (a26, b5, c1, d14), (a26, b5, c1, d15), (a26, b5, c1, d16), (a26, b5, c1, d17), (a26, b5, c1, d18), (a26, b5, c1, d19), (a26, b5, c1, d20), (a26, b5, c1, d21), (a26, b5, c1, d22), (a26, b5, c2, d1), (a26, b5, c2, d2), (a26, b5, c2, d3), (a26, b5, c2, d4), (a26, b5, c2, d5), (a26, b5, c2, d6), (a26, b5, c2, d7), (a26, b5, c2, d8), (a26, b5, c2, d9), (a26, b5, c2, d10), (a26, b5, c2, d11), (a26, b5, c2, d12), (a26, b5, c2, d13), (a26, b5, c2, d14), (a26, b5, c2, d15), (a26, b5, c2, d16), (a26, b5, c2, d17), (a26, b5, c2, d18), (a26, b5, c2, d19), (a26, b5, c2, d20), (a26, b5, c2, d21), (a26, b5, c2, d22), (a26, b5, c3, d1), (a26, b5, c3, d2), (a26, b5, c3, d3), (a26 , b5, c3, d4), (a26, b5, c3, d5), (a26, b5, c3, d6), (a26, b5, c3, d7), (a26, b5, c3, d8), (a26, b5, c3, d9), (a26, b5, c3, d10), (a26, b5, c3, d11), (a26, b5, c3, d12), (a26, b5, c3, d13), (a26, b5, c3, d14), (a26, b5, c3, d15), (a26, b5, c3, d16), (a26, b5, c3, d17), (a26, b5, c3, d18), (a26, b5, c3, d19), (a26, b5, c3, d20), (a26, b5, c3, d21), (a26, b5, c3, d22), (a26, b6, c1, d1), (a26, b6, c1, d2), (a26, b6, c1, d3), (a26, b6, c1, d4), (a26, b6, c1, d5), (a26, b6, c1, d6), (a26, b6, c1, d7), (a26, b6, c1, d8), (a26, b6, c1, d9), (a26, b6, c1, d10), (a26, b6, c1, d11), (a26, b6, c1, d12), (a26, b6, c1, d13), (a26, b6, c1, d14), (a26, b6, c1, d15), (a26, b6, c1, d16), (a26, b6, c1, d17), (a26, b6, c1, d18), (a26, b6, c1, d19), (a26, b6, c1, d20), (a26, b 6, c1, d21), (a26, b6, c1, d22), (a26, b6, c2, d1), (a26, b6, c2, d2), (a26, b6, c2, d3), (a26, b6, c2, d4), (a26, b6, c2, d5), (a26, b6, c2, d6), (a26, b6, c2, d7), (a26, b6, c2, d8), (a26, b6, c2, d9), (a26, b6, c2, d10), (a26, b6, c2, d11), (a26, b6, c2 , d12), (a26, b6, c2, d13), (a26, b6, c2, d14), (a26, b6, c2, d15), (a26, b6, c2, d16), (a26, b6, c2, d17), (a26, b6, c2, d18), (a26, b6, c2, d19), (a26, b6, c2, d20), (a26, b6, c2, d21), (a26, b6, c2, d22), (a26, b6, c3, d1), (a26, b6, c3, d2), (a26, b6, c3, d3), (a26, b6, c3, d4), (a26, b6, c3, d5), (a26, b6, c3, d6), (a26, b6, c3, d7), (a26, b6, c3, d8), (a26, b6, c3, d9), (a26, b6, c3, d10), (a26, b6, c3, d11), (a26, b6, c3, d12), (a26, b6, c3, d13), (a26, b6, c3, d14), (a26, b6, c3, d15), (a26, b6, c3, d16), (a26, b6, c3, d17), (a26, b6, c3, d18), (a26, b6, c3, d19), (a26, b6, c3, d20), (a26, b6, c3, d21), (a26, b6, c3, d22), (a27, b1, c1, d1), (a27, b1, c1, d2), (a27, b1, c1, d3), (a27, b1, c1, d4), (a27, b1, c1, d5), (a27, b1, c1, d6), (a27, b1, c1, d 7), (a27, b1, c1, d8), (a27, b1, c1, d9), (a27, b1, c1, d10), (a27, b1, c1, d11), (a27, b1, c1, d12), (a27, b1, c1, d13), (a27, b1, c1, d14), (a27, b1, c1, d15), (a27, b1, c1, d16), (a27, b1, c1, d17), (a27, b1, c1, d18), (a27, b1, c1, d19), (a27, b1, c1, d20), (a27, b1, c1, d21), (a27, b1, c1, d22), (a27, b1, c2, d1), (a27, b1, c2, d2), (a27, b1, c2, d3), (a27, b1, c2, d4), (a27, b1, c2, d5), (a27, b1, c2, d6), (a27, b1, c2, d7), (a27, b1, c2, d8), (a27, b1, c2, d9), (a27, b1, c2, d10), (a27, b1, c2, d11), (a27, b1, c2, d12), (a27, b1, c2, d13), (a27, b1, c2, d14), (a27, b1, c2, d15), (a27, b1, c2, d16), (a27, b1, c2, d17), (a27, b1, c2, d18), (a27, b1, c2, d19), (a27, b1, c2, d20), (a27, b1, c2, d21), (a27, b1, c2, d22), (a27, b1, c3, d1), (a27, b1, c3, d2), (a27, b1, c3, d3), (a27, b1, c3, d4), (a27, b1, c3, d5), (a27, b1, c3, d6), (a27, b1, c3, d7), (a27, b1, c3, d8), (a27, b1, c3, d9), (a27, b1, c3, d10), (a27, b1, c3, d11), (a27, b1, c3, d12), (a27, b1, c3, d13), (a27, b1, c3, d14), (a27, b1, c3, d15), (a27, b1, c3, d16), (a27, b1, c3, d17), (a27, b1, c3, d18), (a27, b1, c3, d19), (a27, b1, c3, d20), (a27, b1,

c3, d21), (a27, b1, c3, d22), (a27, b2, c1, d1), (a27, b2, c1, d2), (a27, b2, c 1, d3), (a27, b2, c1, d4), (a27, b2, c1, d5), (a27, b2, c1, d6), (a 27, b2, c1, d7), (a27, b2, c1, d8), (a27, b2, c1, d9), (a27, b2, c1, d10), (a27, b2, c1, d11), (a27, b2, c1, d12), (a27, b2, c1, d13), (a27, b2, c1, d14), (a27, b2, c1, d15), (a27, b2, c1, d16), (a27, b2, c1, d17), (a27, b2, c1, d18), (a27, b2, c1, d19), (a27, b2, c1, d20), (a27, b2, c1, d21), (a27, b2, c1, d22), (a27, b2, c2, d1), (a27, b2, c2, d2), (a27, b2, c2, d3), (a27, b2, c2, d4), (a27, b2, c2, d5), (a27, b2, c2, d6), (a27, b2, c2, d7), (a27, b2, c2, d8), (a27, b2, c2, d9), (a27, b2, c2, d10), (a27, b2, c2, d11), (a27, b2, c2, d12), (a27, b2, c2, d13), (a27, b2, c2, d14), (a27, b2, c2, d15), (a27, b2, c2, d16), (a27, b2, c2, d17), (a27, b2, c2, d18), (a27, b2, c2, d19), (a27, b2, c2, d20), (a27, b2, c2, d21), (a27, b2, c2, d22), (a27, b2, c3, d1), (a2 7, b2, c3, d2), (a27, b2, c3, d3), (a27, b 2, c3, d4), (a27, b2, c3, d5), (a27, b2, c3, d6), (a27, b2, c3, d7), (a27, b2, c 3, d8), (a27, b2, c3, d9), (a27, b2, c3, d10), (a27, b2, c3, d11), (a27, b2, c3, d12), (a27, b2, c3, d13), (a27, b2, c3, d14), (a27, b 2, c3, d15), (a27, b2, c3 , d16), (a27, b2, c3, d17), (a27, b2, c3, d18), (a27, b2, c3, d19), (a27, b2, c3 , d20), (a27, b2, c3, d21), (a27, b2, c3, d22), (a27, b3, c1, d1), (a27, b3, c1, d2), (a27, b3, c1, d3), (a27, b3, c1, d4), (a27, b3, c1, d5), (a27, b3 , c1, d6), (a27, b3, c1, d7), (a27, b3, c1, d8), (a27, b3, c1, d9), (a27, b3, c1, d10), (a27, b3, c1, d11), (a27, b3, c1, d12), (a27, b3, c1, d13), (a27, b3, c1, d14), (a27, b3, c1, d15), (a27, b3, c1, d16), (a27, b3, c1, d17), (a27, b3, c1, d18), (a27, b3 , c1, d19), (a27, b3, c1, d20), (a27, b3, c1, d21), (a27, b3, c1, d22), (a27, b3, c2, d1), (a27, b3, c2, d2), (a27, b3, c2, d3), (a27, b3, c2, d4), (a2 7, b3, c2, d5), (a27, b3, c2, d6), (a27, b3, c2, d7), (a27, b3, c2, d8), (a27, b 3, c2, d9), (a27, b3, c2, d10), (a27, b3, c2, d11), (a27, b3, c2, d12), (a27, b 3, c2, d13), (a27, b3, c2, d14), (a27, b3, c2, d15), (a27, b3, c2, d16), (a27, b 3, c2, d17), (a27, b3, c2, d18), (a27, b3, c2, d19), (a27, b3, c2, d20), (a27, b 3, c2, d21), (a27, b3, c2, d22), (a27, b3, c3, d1), (a27, b3, c3, d2), (a27, b3 , c3, d3), (a27, b3, c3, d4), (a27, b3, c3, d5), (a27, b3, c3, d6), (a27, b3, c3 , d7), (a27, b3, c3, d8), (a27, b3, c3, d9), (a27, b3, c3, d10), (a27, b3, c3, d 11), (a27, b3, c3, d12), (a27, b3, c3, d13), (a27, b3, c3, d14), (a27, b3, c3, d 15), (a27, b3, c3, d16), (a27, b3, c3, d17), (a27, b3, c3, d18), (a27, b3, c3, d 19), (a27, b3, c3, d20), (a27, b3, c3, d21), (a27, b3, c3, d22), (a27, b4, c1, d 1), (a27, b4, c1, d2), (a27, b4, c1, d3), (a27, b4, c1, d4), (a27, b4, c1, d5), (a27, b4, c1, d6), (a27, b4, c1, d7), (a27, b4, c1, d8), (a27, b4, c1, d9), (a27 , b4, c1, d10), (a27, b4, c1, d11), (a27, b4, c1, d12), (a27, b4, c1, d13), (a27 , b4, c1, d14), (a27, b4, c1, d15), (a27, b4, c1, d16), (a27, b4, c1, d17), (a27 , b4, c1, d 18), (a27, b4, c1, d19), (a27, b4, c1, d20), (a27, b4, c1, d21), (a2 7, b4, c1, d22), (a27, b4, c2, d1), (a27, b4, c2, d2), (a27, b4, c2, d3), (a27, b4, c2, d4), (a27, b4, c2, d5), (a27, b4, c2, d6), (a27, b4, c2, d7), (a27, b4, c2, d8), (a27, b4, c2, d9), (a27, b4, c2, d10), (a27, b4, c2, d11), (a27, b4, c2 , d12), (a27, b4, c2, d13), (a27, b4, c2, d14), (a27, b4, c2, d15), (a27, b4, c2 , d16), (a27, b4, c2, d17), (a27, b4, c2, d18), (a27, b4, c2, d19), (a27, b4, c2 , d20), (a27, b4, c2, d21), (a27, b4, c2, d2 2), (a27, b4, c3, d1), (a27, b4, c3 , d2), (a27, b4, c3, d3), (a27, b4, c3, d4), (a27, b4, c3, d5), (a27, b4, c3, d6), (a27, b4, c3, d7), (a27, b4, c3, d8), (a27, b4, c3, d9), (a27, b4, c3, d10), (a27, b4, c3, d11), (a27, b4, c3, d12), (a27, b4, c3, d13), (a27, b4, c3, d14), (a27, b4, c3, d15), (a27, b4, c3, d16), (a27, b4, c3, d17), (a27, b4, c3, d18), (a27, b4, c3, d19), (a27, b4, c3, d20), (a27, b4, c3, d21), (a27, b4, c3, d22), (a27, b5, c1, d1), (a27, b5, c1, d2), (a27, b5, c1, d3), (a27, b5, c1, d4), (a

27, b5, c1, d5), (a27, b5, c1, d6), (a27, b5, c1, d7), (a27, b5, c1, d8), (a27, b5, c1, d9), (a27, b5, c1, d10), (a27, b5, c1, d11), (a27, b5, c1, d12), (a27, b5, c1, d13), (a27, b5, c1, d14), (a27, b5, c1, d15), (a27, b5, c1, d16), (a27, b5, c1, d17), (a 27, b5, c1, d18), (a27, b5, c1, d19), (a27, b5, c1, d20), (a27, b5, c1, d21), (a27, b5, c1, d22), (a27, b5, c2, d1), (a27, b5, c2, d2), (a27, b5, c2, d3), (a27, b5, c2, d4), (a27, b5, c2, d5), (a27, b5, c2, d6), (a27, b5, c2, d7), (a27, b5, c2, d8), (a27, b5, c2, d9), (a27, b5, c2, d10), (a27, b5, c2, d11), (a27, b5, c2, d12), (a27, b5, c2, d13), (a27, b5, c2, d14), (a27, b5, c2, d15), (a27, b5, c2, d16), (a27, b5, c2, d17), (a27, b5, c2, d18), (a27, b5, c2, d19), (a27, b5, c2, d20), (a27, b5, c2, d21), (a2 7, b5, c2, d22), (a27, b5, c3, d1), (a27, b5, c3, d2), (a27, b5, c3, d3), (a27, b5, c3, d4), (a27, b5, c3, d5), (a27, b5, c3, d6), (a27, b5, c3, d7), (a27, b5, c3, d8), (a27, b5, c3, d9), (a27, b5, c3, d10), (a27, b5, c3, d11), (a27, b5, c3, d12), (a27, b5 , c3, d13), (a27, b5, c3, d14), (a27, b5, c3, d15), (a27, b5, c3, d16), (a27, b5, c3, d17), (a27, b5, c3, d18), (a27, b5, c3, d19), (a27, b5, c3, d20), (a27, b5, c3, d21), (a27, b5, c3, d22), (a27, b6, c1, d1), (a27, b6, c1, d2), (a27, b6, c1, d3), (a27, b 6, c1, d4), (a27, b6, c1, d5), (a27, b6, c1, d6), (a27, b6, c1, d7), (a27, b6, c1, d8), (a27, b6, c1, d9), (a27, b6, c1, d10), (a27, b6, c1, d11), (a27, b6, c1, d12), (a27, b6, c1, d13), (a27, b6, c1, d14), (a27, b6, c1, d15), (a27, b6, c1, d16), (a27, b6, c1, d17), (a27, b6, c1, d18), (a27, b6, c1, d19), (a27, b6, c1, d20), (a27, b6, c1, d21), (a27, b6, c1, d22), (a27, b6, c2, d1), (a27, b6, c2, d2), (a27, b6, c2, d3), (a27, b6, c2, d4), (a27, b6, c2, d5), (a27, b6, c2, d6), (a27, b6, c2, d7), (a27, b6, c2 , d8), (a27, b6, c2, d9), (a27, b6, c2, d10), (a27, b6, c2, d11), (a27, b6, c2, d12), (a27, b6, c2, d13), (a27, b6, c2, d14), (a27, b6, c2, d15), (a27, b6, c2, d16), (a27, b6, c2, d17), (a27, b6, c2, d18), (a27, b6, c2, d19), (a27, b6, c2, d20), (a27, b6, c2, d21), (a27, b6, c2, d22), (a27, b6, c3, d1), (a27, b6, c3, d2), (a27, b6, c3, d3), (a27, b6, c3, d4), (a 27, b6, c3, d5), (a27, b6, c3, d6), (a27, b6, c3, d7), (a27, b6, c3, d8), (a27, b6, c3, d9), (a27, b6, c3, d10), (a27, b6, c3, d11), (a27, b6, c3, d 12), (a27, b6, c3, d13), (a27, b6, c3, d14), (a27, b6, c3, d15), (a27, b6, c3, d16), (a27, b6, c3, d17), (a27, b6, c3, d18), (a27, b6, c3, d19), (a27, b6, c3, d20), (a27, b6, c3, d21), (a27, b6, c3, d22), (a28, b1, c1, d1), (a28, b1, c1, d2), (a28, b1 , c1, d3), (a28, b1, c1, d4), (a28, b1, c1, d5), (a28, b1, c1, d6), (a28, b1, c 1, d7), (a28, b1, c1, d8), (a28, b1, c1, d9), (a28, b1, c1, d10), (a28, b1, c1, d11), (a28, b1, c1, d12), (a28, b1, c1, d13), (a28, b1, c1, d14), (a28, b1, c1, d15), (a28, b1, c1, d1 6), (a28, b1, c1, d17), (a28, b1, c1, d18), (a28, b1, c1, d19), (a28, b1, c1, d20), (a28, b1, c1, d21), (a28, b1, c1, d22), (a28, b1, c2, d1), (a28, b1, c2, d2), (a28, b1, c2, d3), (a28, b1, c2, d4), (a28, b1, c2, d5), (a28, b1, c2, d6), (a28, b1, c2, d7), (a28, b1, c2, d8), (a28, b1, c2, d9), (a28, b1, c2, d10), (a28, b1, c2, d11), (a28, b1, c2, d12), (a28, b1, c2, d13), (a28, b1, c2, d14), (a28, b1, c2, d15), (a28, b1, c2, d16), (a28, b1, c2, d17), (a28, b1, c2, d18), (a28, b1, c2, d19), (a28, b1, c2, d20), (a28, b1, c2, d21), (a28, b1, c2, d22), (a28, b1, c3, d1), (a28, b1, c3, d2), (a28, b1, c3, d3), (a2 8, b1, c3, d4), (a28, b1, c3, d5), (a28, b1, c3, d6), (a28, b1, c3, d7), (a28, b 1, c3, d8), (a28, b1, c3, d9), (a28, b1, c3, d10), (a28, b1, c3, d11), (a 28, b1 , c3, d12), (a28, b1, c3, d13), (a28, b1, c3, d14), (a28, b1, c3, d15), (a28, b1 , c3, d16), (a28, b1, c3, d17), (a28, b1, c3, d18), (a28, b1, c3, d19), (a28, b1 , c3, d20), (a28, b1, c3, d21), (a28, b1, c3, d22), (a28, b2, c1, d1), (a28, b2, c1, d2), (a28, b2, c1, d3), (a28, b2, c1, d4), (a28, b2, c1, d5), (a28, b2, c1,

d6), (a28, b2, c1, d7), (a28, b2, c1, d8), (a28, b2, c1, d9), (a28, b2, c1, d10), (a28, b2, c1, d11), (a28, b2, c1, d12), (a28, b2, c1, d13), (a28, b2, c1, d14), (a28, b2, c1, d15), (a2 8, b2, c1, d16), (a28, b2, c1, d17), (a28, b2, c1, d18), (a28, b2, c1, d19), (a28, b2, c1, d20), (a28, b2, c1, d21), (a28, b2, c1, d22), (a28, b2, c2, d1), (a28, b2, c2, d2), (a28, b2, c2, d3), (a28, b2, c2, d4), (a28, b2, c2, d5), (a28, b2, c2, d6), (a28, b2, c2, d7), (a28, b2, c2, d8), (a28, b2, c2, d9), (a28, b2, c2, d10), (a28, b2, c2, d11), (a28, b2, c2, d12), (a28, b2, c2, d13), (a28, b2, c2, d14), (a28, b2, c2, d15), (a28, b2, c2, d16), (a28, b2, c2, d17), (a28, b2, c2, d18), (a28, b2, c2, d19), (a28 , b2, c2, d20), (a28, b2, c2, d21), (a28, b2, c2, d22), (a28, b2, c3, d1), (a28, b2, c3, d2), (a28, b2, c3, d3), (a28, b2, c3, d4), (a28, b2, c3, d5), (a28, b2, c3, d6), (a28, b2, c3, d7), (a28, b2, c3, d8), (a28, b2, c3, d9), (a28, b2, c3, d10), (a28, b2, c 3, d11), (a28, b2, c3, d12), (a28, b2, c3, d13), (a28, b2, c3, d14), (a28, b2, c 3, d15), (a28, b2, c3, d16), (a28, b2, c3, d17), (a28, b2, c3, d18), (a28, b2, c 3, d19), (a28, b2, c3, d20), (a28, b2, c3, d21), (a28, b2, c3, d22), (a28, b3, c 1, d1), (a28, b3, c1, d2), (a28, b3, c1, d3), (a28, b3, c1, d4), (a28, b3, c1, d 5), (a28, b3, c1, d6), (a28, b3, c1, d7), (a28, b3, c1, d8), (a28, b3, c1, d9), (a28, b3, c1, d10), (a28, b3, c1, d11), (a28, b3, c1, d12), (a28, b3, c1, d13), (a28, b3, c1, d14), (a28, b3, c1, d15), (a28, b3, c1, d16), (a28, b3, c1, d17), (a28, b3, c1, d18), (a28, b3, c1, d19), (a28, b3, c1, d20), (a28, b3, c1, d21), (a28, b3, c1, d22), (a28, b3, c2, d1), (a28, b3, c2, d2), (a28, b3, c2, d3), (a2 8, b3, c2, d4), (a28, b3, c2, d5), (a28, b3, c 2, d6), (a28, b3, c2, d7), (a28, b3, c2, d8), (a28, b3, c2, d9), (a28, b3, c2, d10), (a28, b3, c2, d11), (a28, b3 , c2, d12), (a28, b3, c2, d13), (a28, b3, c2, d14), (a28, b3, c2, d15), (a28, b3 , c2, d16), (a28, b3, c2, d17), (a28, b3, c2, d18), (a28, b3, c 2, d19), (a28, b 3, c2, d20), (a28, b3, c2, d21), (a28, b3, c2, d22), (a28, b3, c3, d1), (a28, b3 , c3, d2), (a28, b3, c3, d3), (a28, b3, c3, d4), (a28, b3, c3, d5), (a28, b3, c3 , d6), (a28, b3, c3, d7), (a28, b3, c3, d8), (a28, b3, c3, d9), (a28, b3, c3, d1 0), (a28, b3, c3, d11), (a28, b3, c3, d12), (a28, b3, c3, d13), (a28, b3, c3, d 14), (a28, b3, c3, d15), (a28, b3, c3, d16), (a28, b3, c3, d17), (a28, b3, c3, d 18), (a28, b3, c3, d19), (a28, b3, c3, d20), (a28, b3, c3, d21), (a28, b3, c3, d 22), (a28, b4, c1 , d1), (a28, b4, c1, d2), (a28, b4, c1, d3), (a28, b4, c1, d4) , (a28, b4, c1, d5), (a28, b4, c1, d6), (a28, b4, c1, d7), (a28, b4, c1, d8), (a 28, b4, c1, d9), (a28, b4, c1, d10), (a28, b4, c1, d11), (a28, b4, c1, d12), (a2 8, b4, c1, d13), (a28, b4, c1, d14), (a28, b4, c1, d15), (a28, b4, c1, d16), (a 28, b4, c1, d17), (a28, b4, c1, d18), (a28, b4, c1, d19), (a28, b4, c1, d20), (a 28, b4, c1, d21), (a28, b4, c1, d22), (a28, b4, c2, d1), (a28, b4, c2, d2), (a28 , b4, c2, d3), (a28, b4, c2, d4), (a28, b4, c2, d5) , (a28, b4, c2, d6), (a28, b 4, c2, d7), (a28, b4, c2, d8), (a28, b4, c2, d9), (a28, b4, c2, d10), (a28, b4, c2, d11), (a28, b4, c2, d12), (a28, b4, c2, d13), (a28, b4, c2, d14), (a28, b4, c2, d15), (a28, b4, c2, d16), (a28, b4, c2, d17), (a28, b4, c2, d18) , (a28, b4, c2, d19), (a28, b4, c2, d20), (a28, b4, c2, d21), (a28, b4, c2, d22), (a28, b4, c3, d1), (a28, b4, c3, d2), (a28, b4, c3, d3), (a28, b4, c3, d4), (a28, b4, c3, d5), (a28, b4, c3, d6), (a28, b4, c3, d7), (a28, b4, c3, d8), (a28, b4, c3, d9) , (a2 8, b4, c3, d10), (a28, b4, c3, d11), (a28, b4, c3, d12), (a28, b4, c3, d13), (a28, b4, c3, d14), (a28, b4, c3, d15), (a28, b4, c3, d16), (a28, b4, c3, d17), (a28, b4, c3, d18), (a28, b4, c3, d19), (a28, b4, c3, d20), (a28, b4, c3, d21), (a28, b4, c3, d22), (a28, b5, c1, d1), (a28, b5, c1, d2), (a28, b5, c1, d3), (a28, b5, c1, d4), (a28, b5, c1, d5), (a28, b5, c1, d6), (a28, b5, c1, d7), (a2 8, b5, c1, d8), (a28, b5, c1, d9), (a28, b5, c1, d10), (a28, b5, c1, d11), (a28,

b5, c1, d12), (a28, b5, c1, d13), (a28 , b5, c1, d14), (a28, b5, c1, d15), (a28 , b5, c1, d16), (a28, b5, c1, d17), (a28, b5, c1, d18), (a28, b5, c1, d19), (a28 , b5, c1, d20), (a28, b5, c1, d21), (a28, b5, c1, d22), (a28, b5, c2, d1), (a28, b5, c2, d2), (a28, b5, c2, d3), (a28, b5, c2, d4), (a28 , b5, c2, d5), (a28, b5 , c2, d6), (a28, b5, c2, d7), (a28, b5, c2, d8), (a28, b5, c2, d9), (a28, b5, c2 , d10), (a28, b5, c2, d11), (a28, b5, c2, d12), (a28, b5, c2, d13), (a28, b5, c2 , d14), (a28, b5, c2, d15), (a28, b5, c2, d16), (a28, b5, c2, d17), (a28, b5, c 2, d18), (a28, b5, c2, d19), (a28, b5, c2, d20), (a28, b5, c2, d21), (a28, b5, c 2, d22), (a28, b5, c3, d1), (a28, b5, c3, d2), (a28, b5, c3, d3), (a28, b5, c3, d4), (a28, b5, c3, d5), (a28, b5, c3, d6), (a28, b5, c3, d7), (a28, b5, c3, d8), (a28, b5, c3, d9), (a28, b5, c3, d10), (a28, b5, c3, d11), (a28, b5, c3, d12), (a28, b5, c3, d13), (a28, b5, c3, d14), (a28, b5, c3, d15), (a28, b5, c3, d16), (a28, b5, c3, d17), (a28, b5, c3, d18), (a28, b5, c3, d19), (a28, b5, c3, d20), (a28, b5, c3, d21), (a28, b5, c3, d22), (a28, b6, c1, d1), (a28, b6, c1, d2), (a28, b6, c1, d3), (a28, b6, c1, d4), (a28, b6, c1, d5), (a28, b6, c1, d6), (a28, b6, c1, d7), (a28, b6, c1, d8), (a28, b6, c1, d9), (a28, b6, c1, d10), (a28, b6 , c1, d11), (a28, b6, c1, d12), (a28, b6, c 1, d13), (a28, b6, c1, d14), (a28, b 6, c1, d15), (a28, b6, c1, d16), (a28, b6, c1, d17), (a28, b6, c1, d18), (a28, b 6, c1, d19), (a28, b6, c1, d20), (a28, b6, c1, d21), (a28, b6, c1, d22), (a28, b 6, c2, d1), (a28, b6, c2, d2), (a28, b6, c2, d3), (a28, b6, c2, d4), (a28, b6, c 2, d5), (a28, b6, c2, d6), (a28, b6, c2, d7), (a28, b6, c2, d8), (a28, b6, c2, d 9), (a28, b6, c2, d10), (a28, b6, c2, d11), (a28, b6, c2, d12), (a28, b6, c2, d1 3), (a28, b6, c2, d14), (a28, b6, c2, d15), (a28, b6, c2, d16), (a28, b6, c2 , d 17), (a28, b6, c2, d18), (a28, b6, c2, d19), (a28, b6, c2, d20), (a28, b6, c2, d 21), (a28, b6, c2, d22), (a28, b6, c3, d1), (a28, b6, c3, d2), (a28, b6, c3, d3) , (a28, b6, c3, d4), (a28, b6, c3, d5), (a28, b6, c3, d6), (a28, b6, c3, d7), (a 28, b6, c3, d 8), (a28, b6, c3, d9), (a28, b6, c3, d10), (a28, b6, c3, d11), (a2 8, b6, c3, d12), (a28, b6, c3, d13), (a28, b6, c3, d14), (a28, b6, c3, d15), (a2 8, b6, c3, d16), (a28, b6, c3, d17), (a28, b6, c3, d18), (a28, b6, c3, d19), (a2 8, b6, c3, d20), (a28, b6, c3, d21), (a28, b6, c3, d22), (a29, b1, c1, d1), (a2 9, b1, c1, d2), (a29, b1, c1, d3), (a29, b1, c1, d4), (a29, b1, c1, d5), (a29, b 1, c1, d6), (a29, b1, c1, d7), (a29, b1, c1, d8), (a29, b1, c1, d9), (a29, b1, c 1, d10), (a29, b1, c1, d11), (a29, b1, c1, d12) , (a29, b1, c1, d13), (a29, b1, c1, d14), (a29, b1, c1, d15), (a29, b1, c1, d16), (a29, b1, c1, d17), (a29, b1, c1, d18), (a29, b1, c1, d19), (a29, b1, c1, d20), (a29, b1, c1, d21), (a29, b1, c1, d22), (a29, b1, c2, d1), (a29, b1, c2, d2), (a29, b1, c2, d3), (a29, b1, c2 , d4), (a29, b1, c2, d5), (a29, b1, c2, d6), (a29, b1, c2, d7), (a29, b1, c2, d8), (a29, b1, c2, d9), (a29, b1, c2, d10), (a29, b1, c2, d11), (a29, b1, c2, d12) , (a29, b1, c2, d13), (a29, b1, c2, d14), (a29, b1, c2, d15), (a29, b1, c2, d16) , (a29, b1, c2, d17), (a29, b1, c2, d18), (a29, b1, c2, d19), (a29, b1, c2, d20) , (a29, b1, c2, d21), (a29, b1, c2, d22), (a29, b1, c3, d1), (a29, b1, c3, d2), (a29, b1, c3, d3), (a29, b1, c3, d4), (a29, b1, c3, d5), (a29, b1, c3, d6), (a29 , b1, c3, d7), (a 29, b1, c3, d8), (a29, b1, c3, d9), (a29, b1, c3, d10), (a29, b1, c3, d11), (a29, b1, c3, d12), (a29, b1, c3, d13), (a29, b1, c3, d14), (a29, b1, c3, d15), (a29, b1, c3, d16), (a29, b1, c3, d17), (a29, b1, c3, d18), (a29, b1, c3, d19), (a29, b1, c3, d20), (a29, b1, c3, d21), (a29, b1, c3, d22), (a29, b2, c1, d1), (a29, b2, c1, d2), (a29, b2, c1, d3), (a29, b2, c1, d4), (a29, b2, c1, d5), (a29, b2, c1, d6), (a29, b2, c1, d7), (a29, b2, c1, d8), (a29, b2, c1, d9), (a29, b2, c1, d10), (a29, b2, c1, d11), (a29, b2, c1, d12), (a29, b2, c1,

d13), (a29, b2, c1, d14), (a29, b2, c1, d15), (a29, b2, c1, d16), (a29, b2, c1, d17), (a29, b2, c1, d18), (a29, b2, c1, d19), (a29, b2, c1, d20), (a29, b2, c1, d21), (a29, b2, c1, d22), (a29, b2, c2, d1), (a29, b2, c2, d2), (a2 9, b2, c2, d3), (a29, b2, c2, d4), (a29, b2, c2, d5), (a29, b2, c2, d6), (a29, b2, c2, d7), (a29, b2, c2, d8), (a29, b2, c2, d9), (a29, b2, c2, d10), (a29, b2, c2, d11), (a29, b2, c2, d12), (a29, b2, c2, d13), (a29, b2, c2, d14), (a29, b2, c2, d15), (a29, b2, c2, d16), (a29, b2, c2, d17), (a29, b2, c2, d18), (a29, b2, c2, d19), (a29, b2, c2, d20), (a29, b2, c2, d21), (a29, b2, c2, d22), (a29, b2, c3, d1), (a29, b2, c3, d2), (a29, b2, c3, d3), (a29, b2, c3, d4), (a29, b2, c3, d5), (a29, b2, c3, d6), (a29, b2 , c3, d7), (a29, b2, c3, d8), (a29, b2, c3, d9), (a29, b2, c3, d10), (a29, b2, c3, d11), (a29, b2, c3, d12), (a29, b2, c3, d13), (a29, b2, c3, d14), (a29, b2, c3, d15), (a29, b2, c3, d16), (a29, b2, c3, d17), (a29, b2, c3, d18), (a29, b2, c3, d19), (a29, b 2, c3, d20), (a29, b2, c3, d21), (a29, b2, c3, d22), (a29, b3, c1, d1), (a29, b3, c1, d2), (a29, b3, c1, d3), (a29, b3, c1, d4), (a29, b3, c1, d5), (a29, b3, c1, d6), (a29, b3, c1, d7), (a29, b3, c1, d8), (a29, b3, c1, d9), (a29, b3, c1, d10), (a29, b3, c1 , d11), (a29, b3, c1, d12), (a29, b3, c1, d13), (a29, b3, c1, d14), (a29, b3, c1, d15), (a29, b3, c1, d16), (a29, b3, c1, d17), (a29, b3, c1, d18), (a29, b3, c1, d19), (a29, b3, c1, d20), (a29, b3, c1, d21), (a29, b3, c1, d22), (a29, b3, c2, d1), (a29, b3, c2, d2), (a29, b3, c2, d3), (a29, b3, c2, d4), (a29, b3, c2, d5), (a29, b3, c2, d6), (a29, b3, c2, d7), (a29, b3, c2, d8), (a29, b3, c2, d9), (a29, b3, c2, d10), (a29, b3, c2, d11), (a29, b3, c2, d12), (a29, b3, c2, d13), (a29, b3, c2, d14), (a29, b3, c2, d15), (a29, b3, c2, d16), (a29, b3, c2, d17), (a29, b3, c2, d18), (a29, b3, c2, d19), (a29, b3, c2, d20), (a29, b3, c2, d21), (a29, b3, c2, d22), (a29, b3, c3, d1), (a29, b3, c3, d2), (a29, b3, c3, d3), (a29, b3, c3, d4), (a29, b3, c3, d5), (a29, b3, c3, d6), (a29, b3, c3, d7), (a29, b3, c3, d8), (a29, b3, c3, d9), (a29, b3, c3, d10), (a29, b3, c3, d11), (a29, b3, c3, d12), (a29, b3, c3, d13), (a29, b3, c3, d14), (a29, b3, c3, d15), (a29, b3, c3, d16), (a29, b3, c3, d17), (a29, b3, c3, d18), (a29, b3, c3, d19), (a29, b3, c3, d20), (a29, b3, c3, d21), (a29, b3, c3, d22), (a29, b4, c1, d1), (a29, b4, c1, d2), (a29, b4, c1, d3), (a29, b4, c1, d4), (a29, b4, c1, d5), (a29, b4, c1, d6), (a29, b4, c1, d7), (a29, b4, c1, d8), (a29, b4, c1, d9), (a29, b4, c1, d10), (a29, b4, c1, d11), (a29, b4, c1, d12), (a29, b4, c1, d13), (a29, b4, c1, d14), (a29, b4, c1, d15), (a29, b4, c1, d16), (a29, b4, c1, d17), (a29, b4, c1, d18), (a29, b4, c1, d19), (a29, b4, c1, d20), (a29, b4, c1, d21), (a29, b4, c1, d22), (a29, b4, c2, d 1), (a29, b4, c2, d2), (a29, b4, c2, d3), (a29, b4, c2, d4), (a29, b4, c2, d5), (a29, b4, c2, d6), (a29, b4, c2, d7), (a29, b4, c2, d8), (a29, b4, c2, d9), (a29, b4, c2, d10), (a29, b4, c2, d11), (a29, b4, c2, d12), (a29, b4, c2, d13), (a29, b4, c2, d14), (a29, b4, c2, d15), (a29, b4, c2, d16), (a29, b4, c2, d17), (a29, b4, c2, d18), (a29, b4, c2, d19), (a29, b4, c2, d20), (a29, b4, c2, d21), (a29, b4, c2, d22), (a29, b4, c3, d1), (a29, b4, c3, d2), (a29, b4, c3, d3), (a29, b4, c3, d4), (a29, b4, c3, d5), (a29, b4, c3, d6), (a29, b4, c3, d7), (a29, b4, c3, d8), (a29, b4, c3, d9), (a29, b4, c3, d10), (a29, b4, c3, d11), (a29, b4, c3, d12), (a29, b4, c3, d13), (a29, b4, c3, d14), (a29, b4, c3, d15), (a29, b4, c3, d16), (a29, b4, c3, d17), (a29, b4, c3, d18), (a29, b4, c3, d19), (a29, b4, c3, d20), (a29, b4, c3, d21), (a29, b4, c3, d22), (a29, b5, c1, d1), (a29, b5, c1, d2), (a29, b5, c1, d3), (a29, b5, c1, d4), (a29, b5, c1, d5), (a29, b5, c1, d6), (a29, b5, c1, d7), (a29, b5, c1, d8), (a29, b5, c1, d9), (a29, b5, c1, d10), (a29, b5, c1, d11), (a29, b5, c1, d12), (a29, b5, c1, d13), (a29, b5, c1, d14), (a29, b5, c1, d15), (a29, b5, c1, d16), (a29, b5, c1, d17), (a29, b5, c1, d18), (a29,

b5, c1, d19), (a29, b5, c1, d20), (a29, b5, c1, d21), (a29, b5, c1, d22), (a 29 , b5, c2, d1), (a29, b5, c2, d2), (a29, b5, c2, d3), (a29, b5, c2, d4), (a29, b5 , c2, d5), (a29, b5, c2, d6), (a29, b5, c2, d7), (a29, b5, c2, d8), (a29, b5, c2 , d9), (a29, b5, c2, d10), (a29, b5, c2, d11), (a29, b5, c2, d12), (a29, b5, c2, d13), (a29, b 5, c2, d14), (a29, b5, c2, d15), (a29, b5, c2, d16), (a29, b5, c2 , d17), (a29, b5, c2, d18), (a29, b5, c2, d19), (a29, b5, c2, d20), (a29, b5, c2 , d21), (a29, b5, c2, d22), (a29, b5, c3, d1), (a29, b5, c3, d2), (a29, b5, c3, d3), (a29, b5, c3, d4), (a29, b 5, c3, d5), (a29, b5, c3, d6), (a29, b5, c3, d7) , (a29, b5, c3, d8), (a29, b5, c3, d9), (a29, b5, c3, d10), (a29, b5, c3, d11), (a29, b5, c3, d12), (a29, b5, c3, d13), (a29, b5, c3, d14), (a29, b5, c3, d15), (a29, b5, c3, d16), (a29, b5, c3, d17), (a29, b5 , c3, d18), (a29, b5, c3, d19), (a29, b5, c3, d20), (a29, b5, c3, d21), (a29, b5, c3, d22), (a29, b6, c1, d1), (a29, b6, c1, d2), (a29, b6, c1, d3), (a29, b6, c1, d4), (a29, b6, c1, d5), (a29 , b6, c1, d6), (a29, b6, c1, d7), (a29, b6, c1, d8), (a29, b6, c1 , d9), (a29, b 6, c1, d10), (a29, b6, c1, d11), (a29, b6, c1, d12), (a29, b6, c1, d13), (a29, b 6, c1, d14), (a29, b6, c1, d15), (a29, b6, c1, d16), (a29, b6, c1, d17), (a29, b 6, c1, d18), (a29, b6, c1, d19), (a29, b6, c1, d20), (a29, b6, c1, d21), (a29, b 6, c1, d22), (a29, b6, c2, d1), (a29, b6, c2, d2), (a29, b6, c2, d3), (a29, b6, c2, d4), (a29, b6, c2, d5), (a29, b6, c2, d6), (a29, b6, c2, d7), (a29, b6, c2, d8), (a29, b6, c2, d9), (a29, b6, c2, d10), (a29, b6, c2, d11), (a29, b6, c2, d 12), (a29, b6, c2, d13), (a29, b6, c2, d14), (a29, b6, c2, d15), (a29, b6, c2, d 16), (a29, b6, c2, d17), (a29, b6, c2, d18), (a29, b6, c2, d19), (a29, b6, c2, d 20), (a29, b6, c2, d21), (a29, b6, c2, d22), (a29, b6, c3, d1), (a29, b6, c3, d2), (a29, b6, c3, d3), (a29, b6, c3, d4), (a29, b6, c3, d5), (a29, b6, c3, d6), (a29, b6, c3, d7), (a29, b6, c3, d8), (a29, b6, c3, d9), (a29, b6, c3, d10), (a2 9, b6, c3, d11), (a29, b6, c3, d12), (a29, b6, c3, d13), (a29, b6, c3, d14), (a2 9, b6, c3, d15), (a29, b6, c3, d16), (a29, b6, c3, d 17), (a29, b6, c3, d18), (a 29, b6, c3, d19), (a29, b6, c3, d20), (a29, b6, c3, d21), (a29, b6, c3, d22), (a 30, b1, c1, d1), (a30, b1, c1, d2), (a30, b1, c1, d3), (a30, b1, c1, d4), (a30, b1, c1, d5), (a30, b1, c1, d6), (a30, b1, c1, d7), (a30, b1, c1, d8), (a30, b1, c1, d9), (a30, b1, c1, d10), (a30, b1, c1, d11), (a30, b1, c1, d12), (a30, b1, c1, d13), (a30, b1, c1, d14), (a30, b1, c1, d15), (a30, b1, c1, d16), (a30, b1, c1, d17), (a30, b1, c1, d18), (a30, b1, c1, d19), (a30, b1, c1, d20), (a30, b1, c1, d2 1), (a30, b1, c1, d22), (a30, b1, c2, d1), (a30, b1, c2, d2), (a30, b1, c 2, d3), (a30, b1, c2, d4), (a30, b1, c2, d5), (a30, b1, c2, d6), (a30, b1, c2, d 7), (a30, b1, c2, d8), (a30, b1, c2, d9), (a30, b1, c2, d10), (a30, b1, c2, d11) , (a30, b1, c2, d12), (a30, b1, c2, d13), (a30, b1, c2, d14), (a30, b1, c2, d15), (a30, b1, c2, d16), (a30, b1, c2, d17), (a30, b1, c2, d18), (a30, b1, c2, d19), (a30, b1, c2, d20), (a30, b1, c2, d21), (a30, b1, c2, d22), (a30, b1, c3, d1) , (a30, b1, c3, d2), (a30, b1, c3, d3), (a30, b1, c3, d4), (a30, b1, c3, d5), (a 30, b1, c3, d6), (a30, b1, c3, d7), (a30, b1, c3, d8), (a30, b1, c3, d9), (a30, b1, c3, d10), (a30, b1, c3, d11), (a30, b1, c3, d12), (a30, b1, c3, d13), (a30, b1, c3, d14), (a30, b1, c3, d15), (a30, b1, c3, d16), (a 30, b1, c3, d17), (a30, b1, c3, d18), (a30, b1, c3, d19), (a30, b1, c3, d20), (a30, b1, c3, d21), (a30, b1, c3, d22), (a30, b2, c1, d1), (a30, b2, c1, d2), (a30, b2, c1, d3), (a30, b2 , c1, d4), (a30, b2, c1, d5), (a30, b2, c1, d6), (a30, b2, c1, d7), (a30, b2, c 1, d8), (a30, b2, c1, d9), (a30, b2, c1, d10), (a30, b2, c1, d11), (a30, b2, c1, d12), (a30, b2, c1, d13), (a30, b2, c1, d14), (a30, b2, c1, d15), (a30, b2, c1, d16), (a30, b2, c1, d17), (a30, b2, c1, d18), (a30, b2, c1, d19), (a30, b2, c1, d20), (a3 0, b2, c1, d21), (a30, b2, c1, d22), (a30, b2, c2, d1), (a30, b2, c2,

d2), (a30, b2, c2, d3), (a30, b2, c2, d4), (a30, b2, c2, d5), (a30, b2, c2, d6), (a30, b2, c2, d7), (a30, b2, c2, d8), (a30, b2, c2, d9), (a30, b2, c2, d10), (a30, b2, c2, d11), (a30, b2 , c2, d12), (a30, b2, c2, d13), (a30, b2, c2, d14), (a30, b2, c2, d15), (a30, b2, c2, d16), (a30, b2, c2, d17), (a30, b2, c2, d18), (a30, b2, c2, d19), (a30, b2, c2, d20), (a30, b2, c2, d21), (a30, b2, c2, d22), (a30, b2, c3, d1), (a30, b2, c3, d2), (a30, b2, c3, d3), (a30, b2, c3, d4), (a30, b2, c3, d5), (a30, b2, c3, d6), (a30, b2, c3, d7), (a30, b2, c3, d8), (a30, b2, c3, d9), (a30, b2, c3, d10), (a30, b2, c3, d11), (a30, b2, c3, d12), (a30, b2, c3, d13), (a30, b2, c3, d14), (a30, b2, c3, d15), (a30, b2, c3, d16), (a30, b2, c3, d17), (a30, b2, c3, d18), (a30, b2, c3, d19), (a30, b2, c3, d20), (a30, b2, c3, d21), (a30, b2, c3, d22), (a30, b3, c1, d1), (a30, b3, c1, d2), (a30, b3, c1, d3), (a30, b3, c1, d4), (a30, b3, c1, d5), (a30, b3, c1, d6), (a30, b3, c 1, d7), (a30, b3, c1, d8), (a30, b3, c1, d9), (a30, b3, c1, d10), (a30, b3, c1, d11), (a30, b3, c1, d12), (a30, b3, c1, d13), (a30, b3, c1, d14), (a30, b3, c1, d15), (a30, b3, c1, d16), (a30, b3, c1, d17), (a30, b3, c1, d18), (a30, b3, c1, d19), (a30, b3, c1, d20), (a30, b3, c1, d21), (a30, b3, c1, d22), (a30, b3, c2, d1), (a30, b3, c2, d2), (a30, b3, c2, d3), (a30, b3, c2, d4), (a30, b3, c2, d5), (a30, b3, c2, d6), (a30, b3, c2, d7), (a30, b3, c2, d8), (a30, b3, c2, d9), (a30,

b3, c2, d10), (a30, b3, c2, d 11), (a30, b3, c2, d12), (a30, b3, c2, d13), (a30, b3, c2, d14), (a30, b3, c2, d15), (a30, b3, c2, d16), (a30, b3, c2, d17), (a30, b3, c2, d18), (a30, b3, c2, d19), (a30, b3, c2, d20), (a30, b3, c2, d21), (a30, b3, c2, d22), (a30, b3, c3, d1), (a30, b3, c3 , d2), (a30, b3, c3, d3), (a30, b3, c3, d4), (a30, b3, c3, d5), (a30, b3, c3, d6), (a30, b3, c3, d7), (a30, b3, c3, d8), (a30, b3, c3, d9), (a30, b3, c3, d10), (a30, b3, c3, d11), (a30, b3, c3, d12), (a30, b3, c3, d13), (a30, b3, c3, d14), (a30, b3, c3, d1 5), (a30, b3, c3 , d16), (a30, b3, c3, d17), (a30, b3, c3, d18), (a30, b3, c3, d19), (a30, b3, c3 , d20), (a30, b3, c3, d21), (a30, b3, c3, d22), (a30, b4, c1, d1), (a30, b4, c1, d2), (a30, b4, c1, d3), (a30, b4, c1, d4), (a30, b4, c1, d5), (a30, b4, c1, d6), (a30, b4, c1, d7), (a30, b4, c1, d8), (a30, b4, c1, d9), (a30, b4, c1, d10), (a30, b4, c1, d11), (a30, b4, c1, d12), (a30, b4, c1, d13), (a30, b4, c1, d14), (a30, b4, c1, d15), (a30, b4, c1, d16), (a30, b4, c1, d17), (a30, b4, c1, d18), (a30, b4, c1, d19), (a30, b4, c1, d20), (a30, b4, c1, d21), (a30, b4, c1, d22), (a30, b4, c2, d1), (a30, b4, c2, d2), (a30, b4, c2, d3), (a30, b4, c2, d4), (a30, b4, c2, d5), (a30, b4, c2, d6), (a30, b4, c2, d7), (a30, b4, c2, d8), (a30, b4, c2, d9), (a30, b4, c2, d10), (a 30, b4, c2, d11), (a30, b4, c2, d12), (a30, b4, c2, d13), (a30, b4, c2, d14), (a30, b4, c2, d15), (a30, b4, c2, d16), (a30, b4, c2, d17), (a30, b4, c2, d18), (a30, b4, c2, d19), (a30, b4, c2, d20), (a30, b4, c2, d21), (a30, b4, c2, d22), (a30, b4, c3, d1), (a30, b4, c3, d2), (a30, b4, c3, d3), (a30, b4, c3, d4), (a30, b4, c3, d5), (a30, b4, c3, d6), (a30, b4, c3, d7), (a30, b4, c3, d8), (a30, b4, c3, d9), (a30, b4, c3, d10), (a30, b4, c3, d 11), (a30, b4, c3, d12), (a30, b4, c3, d13), (a30, b4, c3, d14), (a3 0, b4, c3, d15), (a30, b4, c3, d16), (a30, b4, c3, d17), (a30, b4, c3, d18), (a30, b4, c3, d19), (a30, b4, c3, d20), (a30, b4, c3, d21), (a30, b4, c3, d22), (a30, b5, c1, d1), (a30, b5, c1, d2), (a30, b5, c1, d3), (a30, b5, c1, d4), (a30, b5, c1, d5), (a30 , b5, c1, d6), (a30, b5, c1, d7), (a30, b5, c1, d8), (a30, b5, c1, d9), (a 30, b5, c1, d10), (a30, b5, c1, d11), (a30, b5, c1, d12), (a30, b5, c1, d13), (a 30, b5, c1, d14), (a30, b5, c1, d15), (a30, b5, c1, d16), (a30, b5, c1, d17), (a 30, b5, c1, d18), (a30 , b5, c1, d19), (a30, b5, c1, d20), (a30, b5, c1, d21), (a30, b5, c1, d22), (a30, b5, c2, d1), (a30, b5, c2, d2), (a30, b5, c2, d3), (a30

, b5, c2, d4), (a30, b5, c2, d5), (a30, b5, c2, d6), (a30, b5, c2, d7), (a30, b5 , c2, d8), (a30, b5, c2, d9), (a30, b5, c2, d10), (a30, b5, c2, d11), (a30, b5, c2, d12), (a30, b5, c2, d13), (a30, b5, c2, d14), (a30, b5, c2, d15), (a30, b5, c2, d16), (a30, b5, c2, d17), (a30, b5, c2, d18), (a30, b5, c2, d19), (a30, b5, c2, d20), (a30, b5, c2, d21), (a30, b5, c2, d22), (a30, b5, c3, d1), (a30, b5, c3, d2), (a30, b5, c3, d3), (a30, b5, c3, d4), (a30, b5, c3, d5), (a30, b5, c3, d6), (a30, b5, c3, d7), (a30, b5, c3, d8), (a30, b5, c3, d9), (a30, b5, c3, d10), (a30, b5, c3, d11), (a30, b5, c3, d12), (a30, b5, c3, d13), (a30, b5, c3, d14), (a30, b5, c3, d15), (a30, b5, c3, d16), (a30, b5, c3, d17), (a30, b5, c3, d18), (a30, b5, c3, d19), (a30, b5, c3, d20), (a30, b5, c3, d21), (a30, b5, c3, d22), (a30, b6, c1, d1), (a30, b6, c1, d2), (a30, b6, c1, d3), (a30, b6, c1, d4), (a30, b6, c1, d5), (a30, b6, c1, d6), (a30, b6, c1, d7), (a30, b6, c1, d8), (a30, b6, c1, d9), (a30, b6, c1, d10), (a30, b6, c1, d11), (a30, b6, c1, d12), (a30, b6, c1, d13), (a30, b6, c1, d14), (a30, b6, c1, d15), (a30, b6, c1, d16), (a30, b6, c1, d17), (a30, b6, c 1, d18), (a30, b6, c1, d19), (a30, b6, c1, d20), (a30, b6, c1, d21), (a30, b6, c1, d22), (a30, b6, c2, d1), (a30, b6, c2, d2), (a30, b 6, c2, d3), (a30, b6, c2, d4), (a30, b6, c2, d5), (a30, b6, c2, d6), (a30, b6, c 2, d7), (a30, b6, c2, d8), (a30, b6, c2, d 9), (a30, b6, c2, d10), (a30, b6, c2, d11), (a30, b6, c2, d12), (a30, b6, c2, d13), (a30, b6, c2, d14), (a30, b6, c2, d15), (a30, b6, c2, d16), (a30, b6, c2, d17), (a30, b6, c2, d18), (a30, b6, c2, d19), (a30, b6, c2, d20), (a30, b6, c2, d21), (a30, b6, c2 , d22), (a30, b6, c3 , d1), (a30, b6, c3, d2), (a30, b6, c3, d3), (a30, b6, c3, d4), (a30, b6, c3, d5), (a30, b6, c3, d6), (a30, b6, c3, d7), (a30, b6, c3, d8), (a30, b6, c3, d9), (a30, b6, c3, d10), (a30, b6, c3, d11), (a30, b6, c3, d12), (a30, b6, c3, d13), (a30, b6, c3, d14), (a30, b6, c3, d15), (a30, b6, c3, d16), (a30, b6, c3, d17), (a30, b6, c3, d18), (a30, b6, c3, d19), (a30, b6, c3, d20), (a30, b6, c3, d21), (a30, b6, c3, d22), (a31, b1, c1, d1), (a31, b1, c1, d2), (a31, b1, c1, d3), (a3 1, b1, c1, d4), (a31, b1, c1, d5), (a31, b1, c1, d6), (a31, b1, c1, d7), (a31, b1, c1, d8), (a31, b1, c1, d9), (a31, b1, c1, d10), (a31, b1, c1, d11), (a31, b1 , c1, d12), (a31, b1, c1, d13), (a31, b1, c1, d14), (a31, b1, c1, d15), (a31, b1 , c1, d16), (a31, b1, c1, d17) , (a31, b1, c1, d18), (a31, b1, c1, d19), (a31, b 1, c1, d20), (a31, b1, c1, d21), (a31, b1, c1, d22), (a31, b1, c2, d1), (a31, b1 , c2, d2), (a31, b1, c2, d3), (a31, b1, c2, d4), (a31, b1, c2, d5), (a31, b1, c2 , d6), (a31, b1, c2, d7), (a31, b1, c2, d8), (a 31, b1, c2, d9), (a31, b1, c2, d 10), (a31, b1, c2, d11), (a31, b1, c2, d12), (a31, b1, c2, d13), (a31, b1, c2, d 14), (a31, b1, c2, d15), (a31, b1, c2, d16), (a31, b1, c2, d17), (a31, b1, c2, d 18), (a31, b1, c2, d19), (a31, b1, c2, d20), (a31, b1, c2, d21), (a31, b1, c2, d22), (a31, b1, c3, d1), (a31, b1, c3, d2), (a31, b1, c3, d3), (a31, b1, c3, d4) , (a31, b1, c3, d5), (a31, b1, c3, d6), (a31, b1, c3, d7), (a31, b1, c3, d8), (a 31, b1, c3, d9), (a31, b1, c3, d10), (a31, b1, c3, d11), (a31, b1, c3, d12), (a3 1 , b1, c3, d13), (a31, b1, c3, d14), (a31, b1, c3, d15), (a31, b1, c3, d16), (a 31, b1, c3, d17), (a31, b1, c3, d18), (a31, b1, c3, d19), (a31, b1, c3, d20), (a 31, b1, c3, d21), (a31, b1, c3, d22), (a31, b2, c1, d1), (a31, b2, c1, d2), (a31 , b2, c1, d3), (a3 1, b2, c1, d4), (a31, b2, c1, d5), (a31, b2, c1, d6), (a31, b 2, c1, d7), (a31, b2, c1, d8), (a31, b2, c1, d9), (a31, b2, c1, d10), (a31, b2, c1, d11), (a31, b2, c1, d12), (a31, b2, c1, d13), (a31, b2, c1, d14), (a31, b2, c1, d15), (a31, b2, c1, d16), (a31, b2, c1, d17), (a31, b2, c1, d18), (a31, b2, c1, d19), (a31, b2, c1, d20), (a31, b2, c1, d21), (a31, b2, c1, d22), (a31, b2, c2, d1), (a31, b2, c2, d2), (a31, b2, c2, d3), (a31, b2, c2, d4), (a31, b2, c2, d5), (a31, b2, c2, d6), (a31, b2, c2, d7), (a31, b2 , c2, d8), (a31, b2, c2, d9

), (a31, b2, c2, d10), (a31, b2, c2, d11), (a31, b2, c2, d12), (a31, b2, c2, d13
), (a31, b2, c2, d14), (a31, b2, c2, d15), (a31, b2, c2, d16), (a31, b2, c2, d17
), (a31, b2, c2, d18), (a31, b2, c2, d19), (a31, b2, c2, d20), (a31, b2, c2, d21
), (a31, b2, c2, d22), (a31, b2, c3, d1), (a31, b2, c3, d2), (a31, b2, c3, d3),
(a31, b2, c3, d4), (a31, b2, c3, d5), (a31, b2, c3, d6), (a31, b2, c3, d7), (a31
, b2, c3, d8), (a31, b2, c3, d9), (a31, b2, c3, d10), (a31, b2, c3, d11), (a31,
b2, c 3, d12), (a31, b2, c3, d13), (a31, b2, c3, d14), (a31, b2, c3, d15), (a31,
b2, c3, d16), (a31, b2, c3, d17), (a31, b2, c3, d18), (a31, b2, c3, d19), (a31,
b2, c3, d20), (a31, b2, c3, d21), (a31, b2, c3, d22), (a31, b3, c1, d1), (a31,
b3, c1, d2), (a31, b3, c1, d3), (a31, b3, c1, d4), (a31, b3, c1, d5), (a31, b3,
c1, d6), (a31, b3, c1, d7), (a31, b3, c1, d8), (a31, b3, c1, d9), (a31, b3, c1,
d10), (a31, b3, c1, d11), (a31, b3, c1, d12), (a31, b3, c1, d13), (a31, b3, c1,
d14), (a31, b3, c1, d15), (a31, b3, c1 , d16), (a31, b3, c1, d17), (a31, b3, c1
, d18), (a31, b3, c1, d19), (a31, b3, c1, d20), (a31, b3, c1, d21), (a31, b3, c1
, d22), (a31, b3, c2, d1), (a31, b3, c2, d2), (a31, b3, c2, d3), (a31, b3, c2, d
4), (a31, b3, c2, d5), (a31, b3, c2, d6), (a31, b3, c2, d7), (a31, b3, c2, d8),
(a31, b3, c2, d9), (a31, b3, c2, d10), (a31, b3, c2, d11), (a31, b3, c2, d12), (
a31, b3, c2, d13), (a31, b3, c2, d14), (a31, b3, c2, d15), (a31, b3, c2, d16), (
a31, b3, c2, d17), (a31, b3, c2, d18), (a31, b3, c2, d19), (a31, b3, c2, d20),
(a31, b3, c2, d21), (a31, b3, c2, d22), (a31, b3, c3, d1), (a31, b3, c3, d2), (a
31, b3, c3, d3), (a31, b3, c3, d4), (a31, b3, c3, d5), (a31, b3, c3, d6), (a31,
b3, c3, d7), (a31, b3, c3, d8), (a31, b3, c3, d9), (a31, b3, c3, d10), (a31, b3,
c3, d11) , (a31, b3, c3, d12), (a31, b3, c3, d13), (a31, b3, c3, d14), (a31, b3
, c3, d15), (a31, b3, c3, d16), (a31, b3, c3, d17), (a31, b3, c3, d18), (a31, b3
, c3, d19), (a31, b3, c3, d20), (a31, b3, c3, d21), (a31, b3, c3, d22), (a31, b4
, c1, d1), (a31, b4, c1, d 2), (a31, b4, c1, d3), (a31, b4, c1, d4), (a31, b4, c
1, d5), (a31, b4, c1, d6), (a31, b4, c1, d7), (a31, b4, c1, d8), (a31, b4, c1, d
9), (a31, b4, c1, d10), (a31, b4, c1, d11), (a31, b4, c1, d12), (a31, b4, c1, d1
3), (a31, b4, c1, d14), (a31, b4, c1, d15), (a31, b4, c1, d16), (a31, b4, c1, d
17), (a31, b4, c1, d18), (a31, b4, c1, d19), (a31, b4, c1, d20), (a31, b4, c1, d
21), (a31, b4, c1, d22), (a31, b4, c2, d1), (a31, b4, c2, d2), (a31, b4, c2, d3)
, (a31, b4, c2, d4), (a31, b4, c2, d5), (a31, b4, c2, d6), (a31, b4, c2, d7), (
a31, b4, c2, d8), (a31, b4, c2, d9), (a31, b4, c2, d10), (a31, b4, c2, d11), (a3
1, b4, c2, d12), (a31, b4, c2, d13), (a31, b4, c2, d14), (a31, b4, c2, d15), (a3
1, b4, c2, d16), (a31, b4, c2, d17), (a31, b4, c2, d18), (a31, b4, c2, d19), (a3
1, b4, c2, d20), (a31, b4, c2, d21), (a31, b4, c2, d22), (a31, b4, c3, d1), (a31
, b4, c3, d2), (a31, b4, c3, d3), (a31, b4, c3, d4), (a31, b4, c3, d5), (a31, b4
, c3, d6), (a31, b4, c3, d7), (a31, b4, c3, d8), (a31, b4, c3, d9), (a31, b4, c3
, d10), (a31, b4, c3, d11), (a31, b4, c3, d12), (a31, b4, c3, d13), (a31, b4, c
3, d14), (a31, b4, c3, d15), (a31, b4, c3, d16), (a31, b4, c3, d17), (a31, b4, c
3, d18), (a31, b4, c3, d19), (a31, b4, c3, d20), (a31, b4, c3, d21), (a31, b4, c
3, d22), (a31, b5, c1, d1), (a 31, b5, c1, d2), (a31, b5, c1, d3), (a31, b5, c1,
d4), (a31, b5, c1, d5), (a31, b5, c1, d6), (a31, b5, c1, d7), (a31, b5, c1, d8)
, (a31, b5, c1, d9), (a31, b5, c1, d10), (a31, b5, c1, d11), (a31, b5, c1, d12),
(a31, b5, c1, d13), (a31, b5, c1, d14), (a31, b5, c1, d15), (a31, b5, c1, d16),
(a31, b5, c1, d17), (a31, b5, c1, d18), (a31, b5, c1, d19), (a31, b5, c1, d20),
(a31, b5, c1, d21), (a31, b5, c1, d22), (a31, b5, c2, d1), (a31, b5, c2, d2), (
a
31, b5, c2, d3), (a31, b5, c2, d4), (a31, b5, c2, d5), (a31, b 5, c2, d6), (a31,
b5, c2, d7), (a31, b5, c2, d8), (a31, b5, c2, d9), (a31, b5, c2, d10), (a31, b5

, c2, d11), (a31, b5, c2, d12), (a31, b5, c2, d13), (a31, b5, c2, d14), (a31, b5
, c2, d15), (a31, b5, c2, d16), (a31, b5, c2, d17), (a31, b5, c2, d18), (a31, b
5, c2, d19), (a31, b5, c2, d20), (a31, b5, c2, d21), (a31, b5, c2, d22), (a31, b
5, c3, d1), (a31, b5, c3, d2), (a31, b5, c3, d3), (a31, b5, c3, d4), (a31, b5, c
3, d5), (a31, b5, c3, d6), (a31, b5, c3, d7), (a31, b5, c3, d8), (a31, b5, c3, d
9), (a31, b5, c3 , d10), (a31, b5, c3, d11), (a31, b5, c3, d12), (a31, b5, c3, d
13), (a31, b5, c3, d14), (a31, b5, c3, d15), (a31, b5, c3, d16), (a31, b5, c3, d
17), (a31, b5, c3, d18), (a31, b5, c3, d19), (a31, b5, c3, d20), (a31, b5, c3, d
21), (a31, b5, c3, d22), (a31, b6 , c1, d1), (a31, b6, c1, d2), (a31, b6, c1, d3
), (a31, b6, c1, d4), (a31, b6, c1, d5), (a31, b6, c1, d6), (a31, b6, c1, d7), (
a31, b6, c1, d8), (a31, b6, c1, d9), (a31, b6, c1, d10), (a31, b6, c1, d11), (a3
1, b6, c1, d12), (a31, b6, c1, d13), (a31, b6, c1, d14), (a31, b6, c1, d15), (a
31, b6, c1, d16), (a31, b6, c1, d17), (a31, b6, c1, d18), (a31, b6, c1, d19), (a
31, b6, c1, d20), (a31, b6, c1, d21), (a31, b6, c1, d22), (a31, b6, c2, d1), (a3
1, b6, c2, d2), (a31, b6, c2, d3), (a31, b6, c2, d4), (a31, b6, c2, d5), (a31,
b6, c2, d6), (a31, b6, c2, d7), (a31, b6, c2, d8), (a31, b6, c2, d9), (a31, b6,
c2, d10), (a31, b6, c2, d11), (a31, b6, c2, d12), (a31, b6, c2, d13), (a31, b6,
c2, d14), (a31, b6, c2, d15), (a31, b6, c2, d16), (a31, b6, c2, d17), (a31, b6,
c2, d18), (a31, b6, c2, d19), (a31, b6, c2, d20), (a31, b6, c2, d21), (a31, b6,
c2, d22), (a31, b6, c3, d1), (a31, b6, c3, d2), (a31, b6, c3, d3), (a31, b6, c3,
d4), (a31, b6, c3, d5), (a31, b6, c3, d6), (a31, b6, c3, d7), (a31, b6, c3, d8)
, (a31, b6, c3, d9), (a31, b6, c3, d10), (a31, b6, c3, d11), (a31, b6, c3, d12)
, (a31, b6, c3, d13), (a31, b6, c3, d14), (a31, b6, c3, d15), (a31, b6, c3, d16)
, (a31, b6, c3, d17), (a31, b6, c3, d18), (a31, b6, c3, d19), (a31, b6, c3, d20)
, (a31, b6, c3, d21), (a31, b6, c3, d 22), (a32, b1, c1, d1), (a32, b1, c1, d2),
(a32, b1, c1, d3), (a32, b1, c1, d4), (a32, b1, c1, d5), (a32, b1, c1, d6), (a3
2, b1, c1, d7), (a32, b1, c1, d8), (a32, b1, c1, d9), (a32, b1, c1, d10), (a32,
b1, c1, d11), (a32, b1, c1, d12), (a32, b1, c1, d13), (a32, b1, c1, d14), (a32,
b1, c1, d15), (a32, b1, c1, d16), (a32, b1, c1, d17), (a32, b1, c1, d18), (a32,
b1, c1, d19), (a32, b1, c1, d20), (a32, b1, c1, d21), (a32, b1, c1, d22), (a32,
b1, c2, d1), (a32, b1, c2, d2), (a32, b1, c2, d3), (a32, b1, c2, d4), (a32, b1,
c2, d5), (a32, b1, c2, d6), (a32, b1, c2, d7), (a32, b1, c2, d8), (a32, b1, c2,
d9), (a32, b1, c2, d10), (a32, b1, c2, d11), (a32, b1, c2, d12), (a32, b1, c2, d
13), (a32, b1, c2, d14), (a32, b1, c2, d15), (a32, b1, c2, d16), (a32, b1, c2, d
17), (a32, b1, c2, d18), (a32, b1, c2, d19), (a32, b1, c2, d20), (a32, b1, c2,
d21), (a32, b1, c2, d22), (a32, b1, c3, d1), (a32, b1, c3, d2), (a32, b1, c3, d3
), (a32, b1, c3, d4), (a32, b1, c3, d5), (a32, b1, c3, d6), (a32, b1, c3, d7), (
a32, b1, c3, d8), (a32, b1, c3, d9), (a32, b1, c3, d10), (a32, b1, c3, d11), (a
32, b1, c3, d12), (a32, b1, c3, d13), (a32, b1, c3, d14), (a32, b1, c3, d15), (a
32, b1, c3, d16), (a32, b1, c3, d17), (a32, b1, c3, d18), (a32, b1, c3, d19), (a
32, b1, c3, d20), (a32, b1, c3, d21), (a 32, b1, c3, d22), (a32, b2, c1, d1), (a
32, b2, c1, d2), (a32, b2, c1, d3), (a32, b2, c1, d4), (a32, b2, c1, d5), (a32,
b2, c1, d6), (a32, b2, c1, d7), (a32, b2, c1, d8), (a32, b2, c1, d9), (a32, b2,
c1, d10), (a32, b2, c1, d11), (a32, b2, c1, d12), (a32, b 2, c1, d13), (a32, b2,
c1, d14), (a32, b2, c1, d15), (a32, b2, c1, d16), (a32, b2, c1, d17), (a32, b2,
c1, d18), (a32, b2, c1, d19), (a32, b2, c1, d20), (a32, b2, c1, d21), (a32, b2,
c1, d22), (a32, b2, c2, d1), (a32, b2, c2, d2), (a32, b2, c2, d3), (a32, b2, c2
, d4), (a32, b2, c2, d5), (a32, b2, c2, d6), (a32, b2, c2, d7), (a32, b2, c2, d8
), (a32, b2, c2, d9), (a32, b2, c2, d10), (a32, b2, c2, d11), (a32, b2, c2, d12)
, (a32, b2, c2, d13), (a32, b2, c2, d14), (a32, b2, c2, d15), (a32, b2, c2, d16)

, (a32, b2 , c2, d17), (a32, b2, c2, d18), (a32, b2, c2, d19), (a32, b2, c2, d20
), (a32, b2, c2, d21), (a32, b2, c2, d22), (a32, b2, c3, d1), (a32, b2, c3, d2),
(a32, b2, c3, d3), (a32, b2, c3, d4), (a32, b2, c3, d5), (a32, b2, c3, d6), (a3
2, b2, c3, d7), (a32, b2, c 3, d8), (a32, b2, c3, d9), (a32, b2, c3, d10), (a32,
b2, c3, d11), (a32, b2, c3, d12), (a32, b2, c3, d13), (a32, b2, c3, d14), (a32,
b2, c3, d15), (a32, b2, c3, d16), (a32, b2, c3, d17), (a32, b2, c3, d18), (a32,
b2, c3, d19), (a32, b2, c3, d20), (a32, b2, c3, d21), (a32, b2, c3, d22), (a32
, b3, c1, d1), (a32, b3, c1, d2), (a32, b3, c1, d3), (a32, b3, c1, d4), (a32, b3
, c1, d5), (a32, b3, c1, d6), (a32, b3, c1, d7), (a32, b3, c1, d8), (a32, b3, c1
, d9), (a32, b3, c1, d10), (a32, b3, c1, d11), (a32, b3, c1, d12), (a32, b3, c1,
d13), (a32, b3, c1, d14), (a32, b3, c1, d15), (a32, b3, c1, d16), (a32, b3, c1,
d17), (a32, b3, c1, d18), (a32, b3, c1, d19), (a32, b3, c1, d20), (a32, b3, c1,
d21), (a32, b3, c1, d22), (a32, b3, c2, d1), (a32, b3, c2, d2), (a32, b3, c2 ,
d3), (a32, b3, c2, d4), (a32, b3, c2, d5), (a32, b3, c2, d6), (a32, b3, c2, d7),
(a32, b3, c2, d8), (a32, b3, c2, d9), (a32, b3, c2, d10), (a32, b3, c2, d11), (
a32, b3, c2, d12), (a32, b3, c2, d13), (a32, b3, c2, d14), (a32, b3, c2, d15), (
a32, b3, c2, d 16), (a32, b3, c2, d17), (a32, b3, c2, d18), (a32, b3, c2, d19),
(a32, b3, c2, d20), (a32, b3, c2, d21), (a32, b3, c2, d22), (a32, b3, c3, d1), (
a32, b3, c3, d2), (a32, b3, c3, d3), (a32, b3, c3, d4), (a32, b3, c3, d5), (a32,
b3, c3, d6), (a32, b3, c3, d7) , (a32, b3, c3, d8), (a32, b3, c3, d9), (a32, b3
, c3, d10), (a32, b3, c3, d11), (a32, b3, c3, d12), (a32, b3, c3, d13), (a32, b3
, c3, d14), (a32, b3, c3, d15), (a32, b3, c3, d16), (a32, b3, c3, d17), (a32, b3
, c3, d18), (a32, b3, c3, d19), (a32, b3, c3, d2 0), (a32, b3, c3, d21), (a32, b
3, c3, d22), (a32, b4, c1, d1), (a32, b4, c1, d2), (a32, b4, c1, d3), (a32, b4,
c1, d4), (a32, b4, c1, d5), (a32, b4, c1, d6), (a32, b4, c1, d7), (a32, b4, c1,
d8), (a32, b4, c1, d9), (a32, b4, c1, d10), (a32, b4, c1, d11), (a32, b4, c1, d
12), (a32, b4, c1, d13), (a32, b4, c1, d14), (a32, b4, c1, d15), (a32, b4, c1, d
16), (a32, b4, c1, d17), (a32, b4, c1, d18), (a32, b4, c1, d19), (a32, b4, c1, d
20), (a32, b4, c1, d21), (a32, b4, c1, d22), (a32, b4, c2, d1), (a32, b4, c2, d2
), (a32, b4, c2, d3), (a32, b4, c2, d4), (a32, b4, c2, d5), (a32, b4, c2, d6),
(a32, b4, c2, d7), (a32, b4, c2, d8), (a32, b4, c2, d9), (a32, b4, c2, d10), (a3
2, b4, c2, d11), (a32, b4, c2, d12), (a32, b4, c2, d13), (a32, b4, c2, d14), (a3
2, b4, c2, d15), (a 32, b4, c2, d16), (a32, b4, c2, d17), (a32, b4, c2, d18), (a
32, b4, c2, d19), (a32, b4, c2, d20), (a32, b4, c2, d21), (a32, b4, c2, d22), (a
32, b4, c3, d1), (a32, b4, c3, d2), (a32, b4, c3, d3), (a32, b4, c3, d4), (a32,
b4, c3, d5), (a32, b4, c3, d6), (a32 , b4, c3, d7), (a32, b4, c3, d8), (a32, b4,
c3, d9), (a32, b4, c3, d10), (a32, b4, c3, d11), (a32, b4, c3, d12), (a32, b4,
c3, d13), (a32, b4, c3, d14), (a32, b4, c3, d15), (a32, b4, c3, d16), (a32, b4,
c3, d17), (a32, b4, c3, d18), (a32, b4, c3, d19), (a3 2, b4, c3, d20), (a32, b4,
c3, d21), (a32, b4, c3, d22), (a32, b5, c1, d1), (a32, b5, c1, d2), (a32, b5, c
1, d3), (a32, b5, c1, d4), (a32, b5, c1, d5), (a32, b5, c1, d6), (a32, b5, c1, d
7), (a32, b5, c1, d8), (a32, b5, c1, d9), (a32, b5, c1, d10), (a32, b5 , c1, d11
), (a32, b5, c1, d12), (a32, b5, c1, d13), (a32, b5, c1, d14), (a32, b5, c1, d15
), (a32, b5, c1, d16), (a32, b5, c1, d17), (a32, b5, c1, d18), (a32, b5, c1, d19
), (a32, b5, c1, d20), (a32, b5, c1, d21), (a32, b5, c1, d22), (a32, b5, c2, d1)
, (a32, b5, c2, d2), (a32, b5, c2, d3), (a32, b5, c2, d4), (a32, b5, c2, d5), (
a32, b5, c2, d6), (a32, b5, c2, d7), (a32, b5, c2, d8), (a32, b5, c2, d9), (a32,
b5, c2, d10), (a32, b5, c2, d11), (a32, b5, c2, d12), (a32, b5, c2, d13), (a32,
b5, c2, d14), (a32, b5, c2, d15), (a32, b5, c2, d16), (a32, b5, c2, d17), (a32
, b5, c2, d18), (a32, b5, c2, d19), (a32, b5, c2, d20), (a32, b5, c2, d21), (a32

, b5, c2, d22), (a32, b5, c3, d1), (a32, b5, c3, d2), (a32, b5, c3, d3), (a32, b
5, c3, d4), (a32, b5, c3, d5), (a32, b5, c3, d6), (a32, b5, c3, d7), (a32, b5, c
3, d8), (a32, b5, c3, d9), (a32, b5, c3, d10), (a32, b5, c3, d11), (a32, b5, c3,
d12), (a32, b5, c3, d13), (a32, b5, c3, d14), (a32, b5, c3, d15), (a32, b5, c3,
d16), (a32, b5, c3, d17), (a32, b5, c3, d18), (a32, b5, c3, d19), (a32, b5, c3,
d20), (a32, b5, c3, d21), (a32, b5, c3, d22), (a32, b6, c1, d1), (a32, b6, c1,
d2), (a32, b6, c1, d3), (a32, b6, c1, d4), (a32, b6, c1, d5), (a32, b6, c1, d6),
(a32, b6, c1, d7), (a32, b6, c1, d8), (a32, b6, c1, d9), (a32, b6, c1, d 10), (
a32, b6, c1, d11), (a32, b6, c1, d12), (a32, b6, c1, d13), (a32, b6, c1, d14), (
a32, b6, c1, d15), (a32, b6, c1, d16), (a32, b6, c1, d17), (a32, b6, c1, d18), (
a32, b6, c1, d19), (a32, b6, c1, d20), (a32, b6, c1, d21), (a32, b6, c1, d22), (
a32, b6, c 2, d1), (a32, b6, c2, d2), (a32, b6, c2, d3), (a32, b6, c2, d4), (a32
, b6, c2, d5), (a32, b6, c2, d6), (a32, b6, c2, d7), (a32, b6, c2, d8), (a32, b6
, c2, d9), (a32, b6, c2, d10), (a32, b6, c2, d11), (a32, b6, c2, d12), (a32, b6,
c2, d13), (a32, b6, c2, d1 4), (a32, b6, c2, d15), (a32, b6, c2, d16), (a32, b6
, c2, d17), (a32, b6, c2, d18), (a32, b6, c2, d19), (a32, b6, c2, d20), (a32, b6
, c2, d21), (a32, b6, c2, d22), (a32, b6, c3, d1), (a32, b6, c3, d2), (a32, b6,
c3, d3), (a32, b6, c3, d4), (a32, b6, c3, d5), (a32, b6, c3, d6), (a32, b6, c3,
d7), (a32, b6, c3, d8), (a32, b6, c3, d9), (a32, b6, c3, d10), (a32, b6, c3, d1
1), (a32, b6, c3, d12), (a32, b6, c3, d13), (a32, b6, c3, d14), (a32, b6, c3, d1
5), (a32, b6, c3, d16), (a32, b6, c3, d17), (a32, b6, c3, d18), (a32, b6, c3, d
19), (a32, b6, c3, d20), (a32, b6, c3, d21), (a32, b6, c3, d22), (a33, b1, c1, d
1), (a33, b1, c1, d2), (a33, b1, c1, d3), (a33, b1, c1, d4), (a33, b1, c1, d5),
(a33, b1, c1, d6), (a33, b1, c1, d7), (a33, b1, c1, d8), (a33, b1, c1, d9), (a 3
3, b1, c1, d10), (a33, b1, c1, d11), (a33, b1, c1, d12), (a33, b1, c1, d13), (a3
3, b1, c1, d14), (a33, b1, c1, d15), (a33, b1, c1, d16), (a33, b1, c1, d17), (a3
3
, b1, c1, d18), (a33, b1, c1, d19), (a33, b1, c1, d20), (a33, b1, c1, d21), (a33
, b1, c1, d22) , (a33, b1, c2, d1), (a33, b1, c2, d2), (a33, b1, c2, d3), (a33,
b1, c2, d4), (a33, b1, c2, d5), (a33, b1, c2, d6), (a33, b1, c2, d7), (a33, b1,
c2, d8), (a33, b1, c2, d9), (a33, b1, c2, d10), (a33, b1, c2, d11), (a33, b1, c2
, d12), (a33, b1, c2, d13), (a3 3, b1, c2, d14), (a33, b1, c2, d15), (a33, b1, c
2, d16), (a33, b1, c2, d17), (a33, b1, c2, d18), (a33, b1, c2, d19), (a33, b1, c
2, d20), (a33, b1, c2, d21), (a33, b1, c2, d22), (a33, b1, c3, d1), (a33, b1, c3
, d2), (a33, b1, c3, d3), (a33, b1, c3, d4), (a3 3, b1, c3, d5), (a33, b1, c3, d
6), (a33, b1, c3, d7), (a33, b1, c3, d8), (a33, b1, c3, d9), (a33, b1, c3, d10),
(a33, b1, c3, d11), (a33, b1, c3, d12), (a33, b1, c3, d13), (a33, b1, c3, d14),
(a33, b1, c3, d15), (a33, b1, c3, d16), (a33, b1, c3, d17), (a33 , b1, c3, d18)
, (a33, b1, c3, d19), (a33, b1, c3, d20), (a33, b1, c3, d21), (a33, b1, c3, d22)
, (a33, b2, c1, d1), (a33, b2, c1, d2), (a33, b2, c1, d3), (a33, b2, c1, d4), (a
33, b2, c1, d5), (a33, b2, c1, d6), (a33, b2, c1, d7), (a33, b2, c1, d8), (a33,
b2 , c1, d9), (a33, b2, c1, d10), (a33, b2, c1, d11), (a33, b2, c1, d12), (a33,
b2, c1, d13), (a33, b2, c1, d14), (a33, b2, c1, d15), (a33, b2, c1, d16), (a33,
b2, c1, d17), (a33, b2, c1, d18), (a33, b2, c1, d19), (a33, b2, c1, d20), (a33,
b2, c1, d21), (a33, b2, c1, d22), (a33, b2, c2, d1), (a33, b2, c2, d2), (a33, b
2, c2, d3), (a33, b2, c2, d4), (a33, b2, c2, d5), (a33, b2, c2, d6), (a33, b2, c
2, d7), (a33, b2, c2, d8), (a33, b2, c2, d9), (a33, b2, c2, d10), (a33, b2, c2,
d11), (a33, b2, c2, d12), (a33, b2, c2, d13), (a33, b2, c2, d14), (a33, b2, c2,
d15), (a33, b2, c2, d16), (a33, b2, c2, d17), (a33, b2, c2, d18), (a33, b2, c2,
d19), (a33, b2, c2, d20), (a33, b2, c2, d21), (a33, b2, c2, d22), (a33, b2, c3,

d1), (a33, b2, c3, d2), (a33, b2, c3, d3), (a33, b2, c3, d4), (a33, b2, c3, d5)
, (a33, b2, c3, d6), (a33, b2, c3, d7), (a33, b2, c3, d8), (a33, b2, c3, d9), (a
33, b2, c3, d10), (a33, b2, c3, d11), (a33, b2, c3, d12), (a33, b2, c3, d13), (a
33, b2, c3, d14), (a33, b2, c3, d15), (a33, b2, c3, d16), (a33, b2, c 3, d17), (
a33, b2, c3, d18), (a33, b2, c3, d19), (a33, b2, c3, d20), (a33, b2, c3, d21), (
a33, b2, c3, d22), (a33, b3, c1, d1), (a33, b3, c1, d2), (a33, b3, c1, d3), (a33
, b3, c1, d4), (a33, b3, c1, d5), (a33, b3, c1, d6), (a33, b3, c1, d7), (a33, b3
, c1, d8), (a33, b3, c1, d9), (a33, b3, c1, d10), (a33, b3, c1, d11), (a33, b3,
c1, d12), (a33, b3, c1, d13), (a33, b3, c1, d14), (a33, b3, c1, d15), (a33, b3,
c1, d16), (a33, b3, c1, d17), (a33, b3, c1, d18), (a33, b3, c1, d19), (a33, b3,
c1, d20), (a33, b3, c1 , d21), (a33, b3, c1, d22), (a33, b3, c2, d1), (a33, b3,
c2, d2), (a33, b3, c2, d3), (a33, b3, c2, d4), (a33, b3, c2, d5), (a33, b3, c2,
d6), (a33, b3, c2, d7), (a33, b3, c2, d8), (a33, b3, c2, d9), (a33, b3, c2, d10)
, (a33, b3, c2, d11), (a33, b3, c2, d12), (a33, b3, c2, d13), (a33, b3, c2, d14
), (a33, b3, c2, d15), (a33, b3, c2, d16), (a33, b3, c2, d17), (a33, b3, c2, d18
), (a33, b3, c2, d19), (a33, b3, c2, d20), (a33, b3, c2, d21), (a33, b3, c2, d22
), (a33, b3, c3, d1), (a33, b3, c3, d2), (a33, b3, c3, d 3), (a33, b3, c3, d4),
(a33, b3, c3, d5), (a33, b3, c3, d6), (a33, b3, c3, d7), (a33, b3, c3, d8), (a33
, b3, c3, d9), (a33, b3, c3, d10), (a33, b3, c3, d11), (a33, b3, c3, d12), (a33,
b3, c3, d13), (a33, b3, c3, d14), (a33, b3, c3, d15), (a33, b3, c3, d16) , (a33
, b3, c3, d17), (a33, b3, c3, d18), (a33, b3, c3, d19), (a33, b3, c3, d20), (a33
, b3, c3, d21), (a33, b3, c3, d22), (a33, b4, c1, d1), (a33, b4, c1, d2), (a33,
b4, c1, d3), (a33, b4, c1, d4), (a33, b4, c1, d5), (a33, b4, c1, d6), (a33, b4,
c1, d7), (a33, b4, c1, d8), (a33, b4, c1, d9), (a33, b4, c1, d10), (a33, b4, c1
, d11), (a33, b4, c1, d12), (a33, b4, c1, d13), (a33, b4, c1, d14), (a33, b4, c1
, d15), (a33, b4, c1, d16), (a33, b4, c1, d17), (a33, b4, c1, d18), (a33, b4, c1
, d19), (a33, b4, c1, d20), (a33, b4, c1, d21), (a33, b4, c1, d22), (a33, b4, c
2, d1), (a33, b4, c2, d2), (a33, b4, c2, d3), (a33, b4, c2, d4), (a33, b4, c2, d
5), (a33, b4, c2, d6), (a33, b4, c2, d7), (a33, b4, c2, d8), (a33, b4, c2, d9),
(a33, b4, c2, d10), (a33, b4, c2, d11), (a33 , b4, c2, d12), (a33, b4, c2, d13),
(a33, b4, c2, d14), (a33, b4, c2, d15), (a33, b4, c2, d16), (a33, b4, c2, d17),
(a33, b4, c2, d18), (a33, b4, c2, d19), (a33, b4, c2, d20), (a33, b4, c2, d21),
(a33, b4, c2, d22), (a33, b4, c3, d1), (a33, b4, c3, d2), (a 33, b4, c3, d3), (
a33, b4, c3, d4), (a33, b4, c3, d5), (a33, b4, c3, d6), (a33, b4, c3, d7), (a33,
b4, c3, d8), (a33, b4, c3, d9), (a33, b4, c3, d10), (a33, b4, c3, d11), (a33, b
4, c3, d12), (a33, b4, c3, d13), (a33, b4, c3, d14), (a33, b4, c3, d15), (a33,
b4, c3, d16), (a33, b4, c3, d17), (a33, b4, c3, d18), (a33, b4, c3, d19), (a33,
b4, c3, d20), (a33, b4, c3, d21), (a33, b4, c3, d22), (a33, b5, c1, d1), (a33, b
5, c1, d2), (a33, b5, c1, d3), (a33, b5, c1, d4), (a33, b5, c1, d5), (a33, b5, c
1, d6), (a33, b 5, c1, d7), (a33, b5, c1, d8), (a33, b5, c1, d9), (a33, b5, c1,
d10), (a33, b5, c1, d11), (a33, b5, c1, d12), (a33, b5, c1, d13), (a33, b5, c1,
d14), (a33, b5, c1, d15), (a33, b5, c1, d16), (a33, b5, c1, d17), (a33, b5, c1,
d18), (a33, b5, c1, d19), (a33, b5, c1, d20), (a33, b5, c1, d21), (a33, b5, c1,
d22), (a33, b5, c2, d1), (a33, b5, c2, d2), (a33, b5, c2, d3), (a33, b5, c2, d4)
, (a33, b5, c2, d5), (a33, b5, c2, d6), (a33, b5, c2, d7), (a33, b5, c2, d8), (a
33, b5, c2, d9), (a33, b5, c2, d10), (a33, b5, c 2, d11), (a33, b5, c2, d12), (a
33, b5, c2, d13), (a33, b5, c2, d14), (a33, b5, c2, d15), (a33, b5, c2, d16), (a
33, b5, c2, d17), (a33, b5, c2, d18), (a33, b5, c2, d19), (a33, b5, c2, d20), (a
33, b5, c2, d21), (a33, b5, c2, d22), (a33, b5, c3, d1), (a33, b5 , c3, d2), (a3
3, b5, c3, d3), (a33, b5, c3, d4), (a33, b5, c3, d5), (a33, b5, c3, d6), (a33, b

5, c3, d7), (a33, b5, c3, d8), (a33, b5, c3, d9), (a33, b5, c3, d10), (a33, b5, c3, d11), (a33, b5, c3, d12), (a33, b5, c3, d13), (a33, b5, c3, d14), (a33, b5, c3 , d15), (a33, b5, c3, d16), (a33, b5, c3, d17), (a33, b5, c3, d18), (a33, b5, c3, d19), (a33, b5, c3, d20), (a33, b5, c3, d21), (a33, b5, c3, d22), (a33, b6, c1, d1), (a33, b6, c1, d2), (a33, b6, c1, d3), (a33, b6, c1, d4), (a33, b6, c1, d5), (a33, b6, c1, d6), (a33, b6, c1, d7), (a33, b6, c1, d8), (a33, b6, c1, d9), (a33, b6, c1, d10), (a33, b6, c1, d11), (a33, b6, c1, d12), (a33, b6, c1, d13), (a33, b6, c1, d14), (a33, b6, c1, d15), (a33, b6, c1, d16), (a33, b6, c1, d17), (a33, b6, c1, d18), (a33, b6, c1, d19), (a33, b6, c1, d20), (a33, b6, c1, d21), (a33, b6, c1, d22), (a33, b6, c2, d1), (a33, b6, c2, d2), (a33, b6, c2, d3), (a33, b6, c2, d4), (a33, b6, c2, d5), (a33, b6, c2, d6), (a33, b6, c2, d7), (a33, b6, c2, d8), (a33, b6, c2, d9), (a33, b6, c2, d10) , (a33, b6, c2, d11), (a33, b6, c2, d12), (a33, b6, c2, d13), (a33, b6, c2, d14), (a33, b6, c2, d15), (a33, b6, c2, d16), (a33, b6, c2, d17), (a33, b6, c2, d18), (a33, b6, c2, d19), (a33, b6, c2, d20), (a33, b6, c2, d21), (a33, b6, c2, d22), (a33, b6, c3, d1), (a33, b6, c3, d2), (a33, b6, c3, d3), (a33, b6, c3, d4), (a33, b6, c3, d5), (a33, b6, c3, d6), (a33, b6, c3, d7), (a33, b6, c3, d8), (a33, b6, c3, d9), (a33, b6, c3, d10), (a33, b6, c3, d11), (a33, b6, c3, d12), (a33, b6, c3, d13), (a33, b6, c3, d14), (a33, b6, c3, d15), (a33, b6, c3, d16), (a33, b6, c3, d17), (a33, b6, c3, d18), (a33, b6, c3, d19), (a33, b6, c3, d20), (a33, b6, c3, d21), (a33, b6, c3, d22), (a34, b1, c1, d1), (a34, b1, c1, d2), (a34, b1, c1, d3), (a34, b1, c1, d4), (a34, b1, c1, d5), (a34, b1, c1, d6), (a34, b1, c1, d7), (a34, b1, c1, d8), (a34, b1, c1, d9), (a34, b1, c1, d10), (a34, b1, c1, d11), (a34, b1, c1, d12), (a34, b1, c1, d13), (a34, b1, c1, d14), (a34, b1, c1, d15), (a34, b1, c1, d16), (a34, b1, c1, d17), (a34, b1, c1, d18), (a34, b1, c1, d19), (a34, b1, c1, d20), (a34, b1, c1, d21), (a34, b1, c1, d22), (a34, b1, c2, d1), (a34, b1, c2, d2), (a34, b1, c2, d3), (a34, b1, c2, d4), (a34, b1, c2, d5), (a34, b1, c2, d6), (a34, b1, c2, d7), (a34, b1, c2, d8), (a34, b1, c2, d9), (a34, b1, c2, d10), (a34, b1, c2, d11), (a34, b1, c2, d12), (a34, b1, c2, d13), (a34, b1, c2, d14), (a34, b1, c2, d15), (a34, b1, c2, d16), (a34, b1, c2, d17), (a34, b1, c2, d18), (a34, b1, c2, d19), (a34, b1, c2, d20), (a34, b1, c2, d21), (a34, b1, c2, d22), (a34, b1, c3, d1), (a34, b1, c3, d2), (a34, b1, c3, d3), (a34, b1, c3, d4), (a34, b1, c3, d5), (a34, b1, c3, d6), (a34, b1, c3, d7), (a34, b1, c3, d8), (a34, b1, c3, d9), (a34, b1, c3, d10), (a34, b1, c3, d11), (a34, b1, c3, d12), (a34, b1, c3, d13), (a34, b1, c3, d14), (a34, b1, c3, d15), (a34, b1, c3, d16), (a34, b1, c3, d17), (a34, b1, c3, d18), (a34, b1, c3, d19), (a34, b1, c3, d20), (a34, b1, c3, d21), (a34, b1, c3, d22), (a34, b2, c1, d1), (a34, b2, c1, d2), (a34, b2, c1, d3), (a34, b2, c1, d4), (a34, b2, c1, d5), (a34, b2, c1, d6), (a34, b2, c1, d7), (a34, b2, c1, d8), (a34, b2, c1, d9), (a34, b2, c1, d10), (a34, b2, c1, d11), (a34, b2, c1, d12), (a34, b2, c1, d13), (a34, b2, c1, d14), (a34, b2, c1, d15), (a34, b2, c1, d16), (a34, b2, c1, d17), (a34, b 2, c1, d18), (a34, b2, c1, d19), (a34, b2, c1, d20), (a34, b2, c1, d21), (a34, b2, c1, d22), (a34, b2, c2, d1), (a34, b2, c2, d2), (a34, b2, c2, d3), (a34, b2, c2, d4), (a34, b2, c2, d5), (a34, b2, c2, d6), (a34, b2, c2, d7), (a34, b2, c2, d8), (a34, b2, c 2, d9), (a34, b2, c2, d10), (a34, b2, c2, d11), (a34, b2, c2, d12), (a34, b2, c2, d13), (a34, b2, c2, d14), (a34, b2, c2, d15), (a34, b2, c2, d16), (a34, b2, c2, d17), (a34, b2, c2, d18), (a34, b2, c2, d19), (a34, b2, c2, d20), (a34, b2, c2, d21), (a34, b2 , c2, d22), (a34, b2, c3, d1), (a34, b2, c3, d2), (a34, b2, c3, d3), (a34, b2, c3, d4), (a34, b2, c3, d5), (a34, b2, c3, d6), (a34, b2, c3, d7), (a34, b2, c3, d8), (a34, b2, c3, d9), (a34, b2, c3, d10), (a34, b2, c3, d11), (a34, b2, c3, d12), (

a34, b2, c3, d13), (a34, b2, c3, d14), (a34, b2, c3, d15), (a34, b2, c3, d16), (a34, b2, c3, d17), (a34, b2, c3, d18), (a34, b2, c3, d19), (a34, b2, c3, d20), (a34, b2, c3, d21), (a34, b2, c3, d22), (a34, b3, c1, d1), (a34, b3, c1, d2), (a34, b3, c1, d3), (a34, b3, c1 , d4), (a34, b3, c1, d5), (a34, b3, c1, d6), (a34, b3, c1, d7), (a34, b3, c1, d8), (a34, b3, c1, d9), (a34, b3, c1, d10), (a34, b3, c1, d11), (a34, b3, c1, d12), (a34, b3, c1, d13), (a34, b3, c1, d14), (a34, b3, c1, d15), (a34, b3, c1, d16), (a34, b3, c1, d17), (a34, b3, c1, d18), (a34, b3, c1, d19), (a34, b3, c1, d20), (a34, b3, c1, d21), (a34, b3, c1, d22), (a34, b3, c2, d1), (a34, b3, c2, d2), (a34, b3, c2, d3), (a34, b3, c2, d4), (a34, b3, c2, d5), (a34, b3, c2, d6), (a34, b3, c2, d7), (a34, b3, c2, d8) , (a34, b3, c2, d9), (a34, b3, c2, d10), (a34, b3, c2, d11), (a34, b3, c2, d12), (a34, b3, c2, d13), (a34, b3, c2, d14), (a34, b3, c2, d15), (a34, b3, c2, d16), (a34, b3, c2, d17), (a34, b3, c2, d18), (a34, b3, c2, d19), (a34, b3, c2, d20), (a34, b3, c2, d 21), (a34, b3, c2, d22), (a34, b3, c3, d1), (a34, b3, c3, d2), (a34, b3, c3, d3), (a34, b3, c3, d4), (a34, b3, c3, d5), (a34, b3, c3, d6), (a34, b3, c3, d7), (a34, b3, c3, d8), (a34, b3, c3, d9), (a34, b3, c3, d10), (a34, b3, c3, d11), (a34, b3, c3, d12), (a34, b3, c3, d13), (a34, b3, c3, d14), (a34, b3, c3, d15), (a34, b3, c3, d16), (a34, b3, c3, d17), (a34, b3, c3, d18), (a34, b3, c3, d19), (a34, b3, c3, d20), (a34, b3, c3, d21), (a34, b3, c3, d22), (a34, b4, c1, d1), (a34, b4, c1, d2), (a34, b4, c1, d3), (a34, b4, c1, d4), (a34, b4, c1, d5), (a34, b4, c1, d6), (a34, b4, c1, d7), (a34, b4, c1, d8), (a34, b4, c1, d9), (a34, b4, c1, d10), (a34, b4, c1, d11), (a34, b4, c1, d12), (a34, b4, c1, d13), (a34, b4, c1, d14), (a34, b4, c1, d15), (a34, b4, c1, d16), (a34, b4, c1, d17), (a34, b4, c1 , d18), (a34, b4, c1, d19), (a34, b4, c1, d20), (a34, b4, c1, d21), (a34, b4, c1 , d22), (a34, b4, c2, d1), (a34, b4, c2, d2), (a34, b4, c2, d3), (a34, b4, c2, d 4), (a34, b4, c2, d5), (a34, b4, c2, d6), (a34, b4, c2, d7), (a34 , b4, c2, d8), (a34, b4, c2, d9), (a34, b4, c2, d10), (a34, b4, c2, d11), (a34, b4, c2, d12), (a34, b4, c2, d13), (a34, b4, c2, d14), (a34, b4, c2, d15), (a34, b4, c2, d16), (a34, b4, c2, d17), (a34, b4, c2, d18), (a34, b4, c2, d19), (a34, b4, c2, d20), (a 34, b4, c2, d21), (a34, b4, c2, d22), (a34, b4, c3, d1), (a34, b4, c3, d2), (a34, b4, c3, d3), (a34, b4, c3, d4), (a34, b4, c3, d5), (a34, b4, c3, d6), (a34, b4, c3, d7), (a34, b4, c3, d8), (a34, b4, c3, d9), (a34, b4, c3, d10), (a34, b4 , c3, d11), (a34, b 4, c3, d12), (a34, b4, c3, d13), (a34, b4, c3, d14), (a34, b 4, c3, d15), (a34, b4, c3, d16), (a34, b4, c3, d17), (a34, b4, c3, d18), (a34, b 4, c3, d19), (a34, b4, c3, d20), (a34, b4, c3, d21), (a34, b4, c3, d22), (a34, b 5, c1, d1), (a34, b5, c1, d2), (a34, b5, c1, d3), (a34, b5, c1, d4), (a34, b5, c1, d5), (a34, b5, c1, d6), (a34, b5, c1, d7), (a34, b5, c1, d8), (a34, b5, c1, d9), (a34, b5, c1, d10), (a34, b5, c1, d11), (a34, b5, c1, d12), (a34, b5, c1, d 13), (a34, b5, c1, d14), (a34, b5, c1, d15), (a34, b5 , c1, d16), (a34, b5, c1, d17), (a34, b5, c1, d18), (a34, b5, c1, d19), (a34, b5, c1, d20), (a34, b5, c1, d21), (a34, b5, c1, d22), (a34, b5, c2, d1), (a34, b5, c2, d2), (a34, b5, c2, d3), (a34, b5, c2, d4), (a34, b5, c2, d5), (a34, b5, c2, d6), (a34, b5, c2, d7), (a34, b5, c2, d8), (a34, b5, c2, d9), (a34, b5, c2, d10), (a34, b5, c2, d11), (a3 4, b5, c2, d12), (a34, b5, c2, d13), (a34, b5, c2, d14), (a34, b5, c2, d15), (a3 4, b5, c2, d16), (a34, b5, c2, d17), (a34, b5, c2, d18), (a34, b5, c2, d19), (a3 4, b5, c2, d20), (a34, b5, c2, d21), (a34, b5, c2, d22), (a34, b5, c3, d1), (a3 4, b5, c3, d2), (a34, b5, c3, d3), (a34, b5, c3, d4), (a34, b5, c3, d5), (a34, b 5, c3, d6), (a34, b5, c3, d7), (a34, b5, c3, d8), (a34, b5, c3, d9), (a34, b5, c 3, d10), (a34, b5, c3, d11), (a34, b5, c3, d12), (a34, b5, c3, d13), (a34, b5, c

3, d14), (a34, b5, c3, d15), (a34, b5, c3, d16), (a34, b5, c3, d17), (a34, b5, c
3, d18), (a34, b5, c3, d19), (a34, b5, c3, d20), (a34, b5, c3, d21), (a34, b5, c
3, d22), (a34, b6, c1, d1), (a34, b6, c 1, d2), (a34, b6, c1, d3), (a34, b6, c1,
d4), (a34, b6, c1, d5), (a34, b6, c1, d6), (a34, b6, c1, d7), (a34, b6, c1, d8)
, (a34, b6, c1, d9), (a34, b6, c1, d10), (a34, b6, c1, d11), (a34, b6, c1, d12),
(a34, b6, c1, d13), (a34, b6, c1, d14), (a34, b6, c1, d 15), (a34, b6, c1, d16)
, (a34, b6, c1, d17), (a34, b6, c1, d18), (a34, b6, c1, d19), (a34, b6, c1, d20)
, (a34, b6, c1, d21), (a34, b6, c1, d22), (a34, b6, c2, d1), (a34, b6, c2, d2),
(a34, b6, c2, d3), (a34, b6, c2, d4), (a34, b6, c2, d5), (a34, b6, c2, d6), (a3
4, b6, c2, d7), (a34, b6, c2, d8), (a34, b6, c2, d9), (a34, b6, c2, d10), (a34,
b6, c2, d11), (a34, b6, c2, d12), (a34, b6, c2, d13), (a34, b6, c2, d14), (a34,
b6, c2, d15), (a34, b6, c2, d16), (a34, b6, c2, d17), (a34, b6, c2, d18), (a34,
b6, c2, d1 9), (a34, b6, c2, d20), (a34, b6, c2, d21), (a34, b6, c2, d22), (a34,
b6, c3, d1), (a34, b6, c3, d2), (a34, b6, c3, d3), (a34, b6, c3, d4), (a34, b6,
c3, d5), (a34, b6, c3, d6), (a34, b6, c3, d7), (a34, b6, c3, d8), (a34, b6, c3,
d9), (a34, b6, c3, d10), (a34, b6, c3, d11), (a34, b6, c3, d12), (a34, b6, c3,
d13), (a34, b6, c3, d14), (a34, b6, c3, d15), (a34, b6, c3, d16), (a34, b6, c3,
d17), (a34, b6, c3, d18), (a34, b6, c3, d19), (a34, b6, c3, d20), (a34, b6, c3,
d21), (a34, b6, c3, d22), (a35, b1, c1, d1) , (a35, b1, c1, d2), (a35, b1, c1,
d3), (a35, b1, c1, d4), (a35, b1, c1, d5), (a35, b1, c1, d6), (a35, b1, c1, d7),
(a35, b1, c1, d8), (a35, b1, c1, d9), (a35, b1, c1, d10), (a35, b1, c1, d11), (
a35, b1, c1, d12), (a35, b1, c1, d13), (a35, b1, c1, d14), (a 35, b1, c1, d15),
(a35, b1, c1, d16), (a35, b1, c1, d17), (a35, b1, c1, d18), (a35, b1, c1, d19),
(a35, b1, c1, d20), (a35, b1, c1, d21), (a35, b1, c1, d22), (a35, b1, c2, d1), (
a35, b1, c2, d2), (a35, b1, c2, d3), (a35, b1, c2, d4), (a35, b1, c2, d5), (a3 5
, b1, c2, d6), (a35, b1, c2, d7), (a35, b1, c2, d8), (a35, b1, c2, d9), (a35, b1
, c2, d10), (a35, b1, c2, d11), (a35, b1, c2, d12), (a35, b1, c2, d13), (a35, b1
, c2, d14), (a35, b1, c2, d15), (a35, b1, c2, d16), (a35, b1, c2, d17), (a35, b1
, c2, d18), (a3 5, b1, c2, d19), (a35, b1, c2, d20), (a35, b1, c2, d21), (a35, b
1, c2, d22), (a35, b1, c3, d1), (a35, b1, c3, d2), (a35, b1, c3, d3), (a35, b1,
c3, d4), (a35, b1, c3, d5), (a35, b1, c3, d6), (a35, b1, c3, d7), (a35, b1, c3,
d8), (a35, b1, c3, d9), (a35, b1 , c3, d10), (a35, b1, c3, d11), (a35, b1, c3, d
12), (a35, b1, c3, d13), (a35, b1, c3, d14), (a35, b1, c3, d15), (a35, b1, c3, d
16), (a35, b1, c3, d17), (a35, b1, c3, d18), (a35, b1, c3, d19), (a35, b1, c3, d
20), (a35, b1, c3, d21), (a35, b1, c3, d22), (a35 , b2, c1, d1), (a35, b2, c1, d
2), (a35, b2, c1, d3), (a35, b2, c1, d4), (a35, b2, c1, d5), (a35, b2, c1, d6),
(a35, b2, c1, d7), (a35, b2, c1, d8), (a35, b2, c1, d9), (a35, b2, c1, d10), (a3
5, b2, c1, d11), (a35, b2, c1, d12), (a35, b2, c1, d13), (a35, b2, c1, d14), (a
35, b2, c1, d15), (a35, b2, c1, d16), (a35, b2, c1, d17), (a35, b2, c1, d18), (a
35, b2, c1, d19), (a35, b2, c1, d20), (a35, b2, c1, d21), (a35, b2, c1, d22), (a
35, b2, c2, d1), (a35, b2, c2, d2), (a35, b2, c2, d3), (a35, b2, c2, d4), (a35,
b2, c2, d5), (a35, b2, c2, d6), (a35, b2, c2, d7), (a35, b2, c2, d8), (a35, b2,
c2, d9), (a35, b2, c2, d10), (a35, b2, c2, d11), (a35, b2, c2, d12), (a35, b2,
c2, d13), (a35, b2, c2, d14), (a35, b2, c2, d15), (a35, b2, c2, d16), (a35, b2,
c2, d17), (a35, b2, c2, d18), (a35, b2, c2, d19), (a35, b2, c2, d20), (a35, b2,
c2, d21), (a35, b2, c2, d22), (a35, b2, c3, d1), (a35, b2, c3, d2), (a35, b2, c3
, d3), (a35, b2, c3, d4), (a35, b2, c3, d5), (a35, b2, c3, d6), (a35, b2, c3, d7
), (a35, b2, c3, d8), (a35, b2, c3, d9), (a35, b2, c3, d10), (a35, b2, c3, d11),
(a35, b2, c3, d12), (a35, b2, c3, d13), (a35, b2, c3, d14), (a35, b2, c3, d15),
(a35, b2, c3, d16), (a35, b2, c3, d17), (a35, b2, c3, d18), (a35, b2, c3, d19),

(a35, b2, c3, d20), (a35, b2, c3, d21), (a35, b2, c 3, d22), (a35, b3, c1, d1), (a35, b3, c1, d2), (a35, b3, c1, d3), (a35, b3, c1, d4), (a35, b3, c1, d5), (a35, b3, c1, d6), (a35, b3, c1, d7), (a35, b3, c1, d8), (a35, b3, c1, d9), (a35, b3, c1, d10), (a35, b3, c1, d11), (a35, b3, c1, d12), (a35, b3, c1, d1 3), (a35, b3, c1, d14), (a35, b3, c1, d15), (a35, b3, c1, d16), (a35, b3, c1, d17), (a35, b3, c1, d18), (a35, b3, c1, d19), (a35, b3, c1, d20), (a35, b3, c1, d21), (a35, b3, c1, d22), (a35, b3, c2, d1), (a35, b3, c2, d2), (a35, b3, c2, d3), (a35, b3, c2, d 4), (a35, b3, c2, d5), (a35, b3, c2, d6), (a35, b3, c2, d7), (a35, b3, c2, d8), (a35, b3, c2, d9), (a35, b3, c2, d10), (a35, b3, c2, d11), (a35, b3, c2, d12), (a35, b3, c2, d13), (a35, b3, c2, d14), (a35, b3, c2, d15), (a35, b3, c2, d16), (a35, b3, c2, d17), (a35, b3, c2, d18), (a35, b3, c2, d19), (a35, b3, c2, d20), (a35, b3, c2, d21), (a35, b3, c2, d22), (a35, b3, c3, d1), (a35, b3, c3, d2), (a35, b3, c3, d3), (a35, b3, c3, d4), (a35, b3, c3, d5), (a35, b3, c3, d6), (a35, b3, c3, d7), (a35, b3, c3, d8), (a35, b3, c3, d9), (a35, b3, c3, d10), (a35, b3, c3, d11), (a35, b3, c3, d12), (a35, b3, c3, d13), (a35, b3, c3, d14), (a35, b3, c3, d15), (a35, b3, c3, d16), (a35, b3, c3, d17), (a35, b3, c3, d18), (a35, b3, c3, d19), (a35, b3, c3, d20), (a35, b3, c3, d21) , (a35, b3, c3, d22), (a35, b4, c1, d1), (a35, b4, c1, d2), (a35, b4, c1, d3), (a35, b4, c1, d4), (a35 , b4, c1, d5), (a35, b4, c1, d6), (a35, b4, c1, d7), (a35, b4, c1, d8), (a35, b4 , c1, d9), (a35, b4, c1, d10), (a35, b4, c1, d11), (a35, b4, c1, d12), (a3 5, b4 , c1, d13), (a35, b4, c1, d14), (a35, b4, c1, d15), (a35, b4, c1, d16), (a35, b4 , c1, d17), (a35, b4, c1, d18), (a35, b4, c1, d19), (a35, b4, c1, d20), (a35, b4 , c1, d21), (a35, b4, c1, d22), (a35, b4, c2, d1), (a35, b4, c2, d2), (a35, b4, c2, d3), (a 35, b4, c2, d4), (a35, b4, c2, d5), (a35, b4, c2, d6), (a35, b4, c2, d7), (a35, b4, c2, d8), (a35, b4, c2, d9), (a35, b4, c2, d10), (a35, b4, c2, d1 1), (a35, b4, c2, d12), (a35, b4, c2, d13), (a35, b4, c2, d14), (a35, b4, c2, d1 5), (a35, b4, c2, d16), (a35 , b4, c2, d17), (a35, b4, c2, d18), (a35, b4, c2, d 19), (a35, b4, c2, d20), (a35, b4, c2, d21), (a35, b4, c2, d22), (a35, b4, c3, d 1), (a35, b4, c3, d2), (a35, b4, c3, d3), (a35, b4, c3, d4), (a35, b4, c3, d5), (a35, b4, c3, d6), (a35, b4, c3, d7), (a35, b 4, c3, d8), (a35, b4, c3, d9), (a3 5, b4, c3, d10), (a35, b4, c3, d11), (a35, b4, c3, d12), (a35, b4, c3, d13), (a3 5, b4, c3, d14), (a35, b4, c3, d15), (a35, b4, c3, d16), (a35, b4, c3, d17), (a3 5, b4, c3, d18), (a35, b4, c3, d19), (a35, b4, c3, d20), (a35, b4, c3, d21), (a 35, b4, c3, d22), (a35, b5, c1, d1), (a35, b5, c1, d2), (a35, b5, c1, d3), (a35,

b5, c1, d4), (a35, b5, c1, d5), (a35, b5, c1, d6), (a35, b5, c1, d7), (a35, b5, c1, d8), (a35, b5, c1, d9), (a35, b5, c1, d10), (a35, b5, c1, d11), (a35, b5, c1 , d12), (a35, b5, c1, d13), (a35, b5, c1, d14), (a35, b5, c1, d15), (a35, b5, c1 , d16), (a35, b5, c1, d17), (a35, b5, c1, d18), (a35, b5, c1, d19), (a35, b5, c1 , d20), (a35, b5, c1, d21), (a35, b5, c1, d22), (a35, b5, c2, d1), (a35, b5, c2, d2), (a35, b5 , c2, d3), (a35, b5, c2, d4), (a35, b5, c2, d5), (a35, b5, c2, d6), (a35, b5, c2, d7), (a35, b5, c2, d8), (a35, b5, c2, d9), (a35, b5, c2, d10), (a35, b5, c2, d11), (a35, b5, c2, d12), (a35, b5, c2, d13), (a35, b5, c2, d14), (a35, b5, c2, d15), (a35, b5, c 2, d16), (a35, b5, c2, d17), (a35, b5, c2, d18), (a35, b5, c2, d19), (a35, b5, c2, d20), (a35, b5, c2, d21), (a35, b5, c2, d22), (a35, b5, c3, d1), (a35, b5, c3, d2), (a35, b5, c3, d3), (a35, b5, c3, d4), (a3 5, b5, c3, d5), (a35, b5, c3, d6), (a35, b5, c3, d7), (a35, b5, c3, d8), (a35, b5, c3, d9), (a35, b5, c3, d10), (a35, b5, c3, d11), (a35, b5, c3, d12), (a35, b 5, c3, d13), (a35, b5, c3, d14), (a35, b5, c3, d15), (a35, b5, c3, d16), (a35, b 5, c3, d17), (a35, b5, c3, d18), (a35, b5, c3, d19), (a35, b5, c3 , d20), (a35,

b5, c3, d21), (a35, b5, c3, d22), (a35, b6, c1, d1), (a35, b6, c1, d2), (a35, b6, c1, d3), (a35, b6, c1, d4), (a35, b6, c1, d5), (a35, b6, c1, d6), (a35, b6, c1, d7), (a35, b6, c1, d8), (a35, b6, c1, d9), (a35, b6, c1, d10), (a35, b6, c1, d11), (a35, b6, c1, d12), (a35, b6, c1, d13), (a35, b6, c1, d14), (a35, b6, c1, d15), (a35, b6, c1, d16), (a35, b6, c1, d17), (a35, b6, c1, d18), (a35, b6, c1, d19), (a35, b6, c1, d20), (a35, b6, c1, d21), (a35, b6, c1, d22), (a35, b6, c2, d1), (a35, b6, c2, d2), (a35, b6, c2, d3), (a35, b6, c2, d4), (a35, b6, c2, d5), (a35, b6, c2, d6), (a35, b6, c2, d7), (a35, b6, c2, d8), (a35, b6, c2, d9), (a35, b6, c2, d10), (a35, b6, c2, d11), (a35, b6, c2, d12), (a35, b6, c2, d13), (a35, b6, c2, d14), (a35, b6, c2, d15) , (a35, b6, c2, d16), (a35, b6, c2, d17), (a35, b6, c2, d18), (a35, b6, c2, d19), (a35, b6, c2, d20), (a35, b6, c2, d21), (a35, b6, c2, d22), (a35, b6, c3, d1), (a35, b6, c3, d2), (a35, b6, c3, d3), (a35, b6, c3, d4), (a35, b6, c3, d5), (a35, b6, c3, d6), (a35, b6, c3, d7), (a35, b6, c3, d8), (a35, b6, c3, d9), (a35, b6, c3, d10), (a35, b6, c3, d11), (a35, b6, c3, d12), (a35, b6, c3, d13), (a35, b6, c3, d14), (a35, b6, c3, d15), (a35, b6, c3, d16), (a35, b6, c3, d17), (a35, b6, c3, d18), (a35, b6, c3, d19), (a35, b6, c3, d20), (a35, b6, c3, d21), (a35, b6, c3, d22), (a36, b1, c1, d1), (a36, b1, c1, d2), (a36, b1, c1, d3), (a36, b1, c1, d4), (a36, b1, c1, d5), (a36, b1, c1, d6), (a36, b1, c1, d7), (a36, b1, c1, d8), (a36, b1, c1, d9), (a36, b1, c1, d10), (a36 , b1, c1, d11), (a36, b1, c1, d12), (a36, b1, c1, d13), (a36, b1, c1, d14), (a36, b1, c1, d15), (a36, b1, c1, d16), (a36, b1, c1, d17), (a36, b1, c1, d18), (a36, b1, c1, d19), (a36, b1, c1, d20), (a36, b1, c1, d21), (a36, b1, c1, d22), (a36, b1, c2, d1), (a36, b1, c2, d2), (a36, b1, c2, d3), (a36, b1, c2, d4), (a36, b1, c2, d5), (a36, b1, c2, d6), (a36, b1, c2, d7), (a36, b1, c2, d8), (a36, b1, c2, d9), (a36, b1, c2, d10), (a36, b1, c2, d11), (a36, b1, c2, d12), (a36, b1, c2, d13), (a36, b1, c2, d14), (a36, b1, c2, d15), (a36, b1, c2, d16), (a36, b1, c2, d17), (a36, b1, c2, d18), (a36, b1, c2, d19), (a36, b1, c2, d20), (a36, b1, c2, d21), (a36, b1, c2, d22), (a36, b1, c3, d1), (a36, b1, c3, d2), (a36, b1, c3, d3), (a36, b1, c3, d4), (a36, b1, c3, d5), (a36, b1, c3, d6), (a36, b1, c3, d7), (a36, b1, c3, d8), (a36, b1, c3, d9), (a36, b1, c3, d10), (a36, b1, c3, d11), (a36, b1, c3, d12), (a36, b1, c3, d13), (a36, b1, c3, d14), (a36, b1, c3, d15), (a36, b1, c3, d16), (a36, b1, c3, d17), (a36, b1, c3, d18), (a36, b1, c3, d19), (a36, b1, c3, d20), (a36, b1, c3, d21), (a36, b1, c3, d22), (a36, b2, c1, d1), (a36, b2, c1, d2), (a36, b2, c1, d3), (a36, b2, c1, d4), (a36, b2, c1, d5), (a36, b2, c1, d6), (a36, b2, c1, d7), (a36, b2, c1, d8), (a36, b2, c1, d9), (a36, b2, c 1, d10), (a36, b2, c1, d11), (a36, b2, c1, d12), (a36, b2, c1, d13), (a36, b2, c1, d14), (a36, b2, c1, d15), (a36, b2, c1, d16), (a36, b2, c1, d17), (a36, b2, c1, d18), (a36, b2, c1, d19), (a36, b2, c1, d20), (a36, b2, c1, d21), (a36, b2, c1, d22), (a36, b 2, c2, d1), (a36, b2, c2, d2), (a36, b2, c2, d3), (a36, b2, c2, d4), (a36, b2, c2, d5), (a36, b2, c2, d6), (a36, b2, c2, d7), (a36, b2, c2, d8), (a36, b2, c2, d9), (a36, b2, c2, d10), (a36, b2, c2, d11), (a36, b2, c2, d12), (a36, b2, c2, d13), (a36, b2, c2 , d14), (a36, b2, c2, d15), (a36, b2, c2, d16), (a36, b2, c2, d17), (a36, b2, c2, d18), (a36, b2, c2, d19), (a36, b2, c2, d20), (a36, b2, c2, d21), (a36, b2, c2, d22), (a36, b2, c3, d1), (a36, b2, c3, d2), (a36, b2, c3, d3), (a36, b2, c3, d4), (a36, b2, c3 , d5), (a36, b2, c3, d6), (a36, b2, c3, d7), (a36, b2, c3, d8), (a36, b2, c3, d9), (a36, b2, c3, d10), (a36, b2, c3, d11), (a36, b2, c3, d12), (a36, b2, c3, d13), (a36, b2, c3, d14), (a36, b2, c3, d15), (a36, b2, c3, d16), (a36, b2, c3, d17), (a36, b2, c3, d1 8), (a36, b2, c3, d19), (a36, b2, c3, d20), (a36, b2, c3, d21), (a36, b2, c3, d2 2), (a36, b3, c1, d1), (a36, b3, c1, d2), (a36, b3, c1, d3), (a36, b3, c1, d4),

(a36, b3, c1, d5), (a36, b3, c1, d6), (a36, b3, c1, d7), (a36, b3, c1, d8), (a36
, b3, c1, d9) , (a36, b3, c1, d10), (a36, b3, c1, d11), (a36, b3, c1, d12), (a36
, b3, c1, d13), (a36, b3, c1, d14), (a36, b3, c1, d15), (a36, b3, c1, d16), (a36
, b3, c1, d17), (a36, b3, c1, d18), (a36, b3, c1, d19), (a36, b3, c1, d20), (a36
, b3, c1, d21), (a36, b3, c1, d22), (a36, b3, c2, d1), (a36, b3, c2, d2), (a36,
b3, c2, d3), (a36, b3, c2, d4), (a36, b3, c2, d5), (a36, b3, c2, d6), (a36, b3,
c2, d7), (a36, b3, c2, d8), (a36, b3, c2, d9), (a36, b3, c2, d10), (a36, b3, c2,
d11), (a36, b3, c2, d12), (a36, b3, c2, d13), (a36, b3, c2, d14), (a36, b3, c2
, d15), (a36, b3, c2, d16), (a36, b3, c2, d17), (a36, b3, c2, d18), (a36, b3, c2
, d19), (a36, b3, c2, d20), (a36, b3, c2, d21), (a36, b3, c2, d22), (a36, b3, c3
, d1), (a36, b3, c3, d2), (a36, b3, c3, d3), (a36, b3, c3, d4), (a36, b3, c3, d
5), (a36, b3, c3, d6), (a36, b3, c3, d7), (a36, b3, c3, d8), (a36, b3, c3, d9),
(a36, b3, c3, d10), (a36, b3, c3, d11), (a36, b3, c3, d12), (a36, b3, c3, d13),
(a36, b3, c3, d14), (a36, b3, c3, d15), (a36, b3, c3, d16), (a36, b3, c3, d17),
(a36, b3, c3, d18), (a36, b3, c3, d19), (a36, b3, c3, d20), (a36, b3, c3, d21),
(a36, b3, c3, d22), (a36, b4, c1, d1), (a36, b4, c1, d2), (a36, b4, c1, d3), (a3
6, b4, c1, d4), (a36, b4, c1, d5), (a36, b4, c1, d6), (a36, b4, c1, d7), (a36, b
4, c1, d8), (a36 , b4, c1, d9), (a36, b4, c1, d10), (a36, b4, c1, d11), (a36, b4
, c1, d12), (a36, b4, c1, d13), (a36, b4, c1, d14), (a36, b4, c1, d15), (a36, b4
, c1, d16), (a36, b4, c1, d17), (a36, b4, c1, d18), (a36, b4, c1, d19), (a36, b4
, c1, d20), (a36, b4, c1, d21), (a36, b4, c1, d22), (a36, b4, c2, d1), (a36, b4
, c2, d2), (a36, b4, c2, d3), (a36, b4, c2, d4), (a36, b4, c2, d5), (a36, b4, c2
, d6), (a36, b4, c2, d7), (a36, b4, c2, d8), (a36, b4, c2, d9), (a36, b4, c2, d1
0), (a36, b4, c2, d11), (a36, b4, c2, d12), (a36, b4, c2, d13), (a36, b4, c2, d1
4), (a36, b4, c2, d15), (a36, b4, c2, d16), (a36, b4, c2, d17), (a36, b4, c2, d1
8), (a36, b4, c2, d19), (a36, b4, c2, d20), (a36, b4, c2, d21), (a36, b4, c2, d2
2), (a36, b4, c3, d1), (a36, b4, c3, d2), (a36, b4, c3, d3), (a36, b4, c3, d4),
(a36, b4, c3, d5), (a36, b4, c3, d6), (a36, b4, c3, d7), (a36, b4, c3, d8), (a3
6, b4, c3, d9), (a36, b4, c3, d10), (a36, b4, c3, d11), (a36, b4, c3, d12), (a36
, b4, c3, d13), (a36, b4, c3, d14), (a36, b4, c3, d15), (a36, b4, c3, d16), (a36
, b 4, c3, d17), (a36, b4, c3, d18), (a36, b4, c3, d19), (a36, b4, c3, d20), (a3
6, b4, c3, d21), (a36, b4, c3, d22), (a36, b5, c1, d1), (a36, b5, c1, d2), (a36,
b5, c1, d3), (a36, b5, c1, d4), (a36, b5, c1, d5), (a36, b5, c1, d6), (a36, b5,
c1, d7), (a36, b5, c1, d8), (a36, b5, c1, d9), (a36, b5, c1, d10), (a36, b5, c1
, d11), (a36, b5, c1, d12), (a36, b5, c1, d13), (a36, b5, c1, d14), (a36, b5, c1
, d15), (a36, b5, c1, d16), (a36, b5, c1, d17), (a36, b5, c1, d18), (a36, b5, c1
, d19), (a36, b5, c1, d20), (a36, b5 , c1, d21), (a36, b5, c1, d22), (a36, b5, c
2, d1), (a36, b5, c2, d2), (a36, b5, c2, d3), (a36, b5, c2, d4), (a36, b5, c2, d
5), (a36, b5, c2, d6), (a36, b5, c2, d7), (a36, b5, c2, d8), (a36, b5, c2, d9),
(a36, b5, c2, d10), (a36, b5, c2, d11), (a36, b5, c2, d12), (a36, b5, c2, d13),
(a36, b5, c2, d14), (a36, b5, c2, d15), (a36, b5, c2, d16), (a36, b5, c2, d17),
(a36, b5, c2, d18), (a36, b5, c2, d19), (a36, b5, c2, d20), (a36, b5, c2, d21),
(a36, b5, c2, d22), (a36, b5, c3, d1), (a36, b5, c3, d2), (a36, b5, c 3, d3), (
a36, b5, c3, d4), (a36, b5, c3, d5), (a36, b5, c3, d6), (a36, b5, c3, d7), (a36,
b5, c3, d8), (a36, b5, c3, d9), (a36, b5, c3, d10), (a36, b5, c3, d11), (a36, b
5, c3, d12), (a36, b5, c3, d13), (a36, b5, c3, d14), (a36, b5, c3, d15), (a36, b
5, c3, d16), (a36, b5, c3, d17), (a36, b5, c3, d18), (a36, b5, c3, d19), (a36, b
5, c3, d20), (a36, b5, c3, d21), (a36, b5, c3, d22), (a36, b6, c1, d1), (a36, b6
, c1, d2), (a36, b6, c1, d3), (a36, b6, c1, d4), (a36, b6, c1, d5), (a36, b6, c1
, d6), (a36, b6, c1, d7), (a36, b6, c1, d8), (a36, b6, c1, d9), (a36, b6, c1, d

10), (a36, b6, c1, d11), (a36, b6, c1, d12), (a36, b6, c1, d13), (a36, b6, c1, d
14), (a36, b6, c1, d15), (a36, b6, c1, d16), (a36, b6, c1, d17), (a36, b6, c1, d
18), (a36, b6, c1, d19), (a36, b6, c1, d 20), (a36, b6, c1, d21), (a36, b6, c1,
d22), (a36, b6, c2, d1), (a36, b6, c2, d2), (a36, b6, c2, d3), (a36, b6, c2, d4)
, (a36, b6, c2, d5), (a36, b6, c2, d6), (a36, b6, c2, d7), (a36, b6, c2, d8), (a
36, b6, c2, d9), (a36, b6, c2, d10), (a36, b6, c2, d11), (a36, b6, c2, d12), (a3
6, b6, c2, d13), (a36, b6, c2, d14), (a36, b6, c2, d15), (a36, b6, c2, d16), (a3
6, b6, c2, d17), (a36, b6, c2, d18), (a36, b6, c2, d19), (a36, b6, c2, d20), (a3
6, b6, c2, d21), (a36, b6, c2, d22), (a36, b6, c3, d1), (a36, b6, c3, d2) , (a36
, b6, c3, d3), (a36, b6, c3, d4), (a36, b6, c3, d5), (a36, b6, c3, d6), (a36, b6
, c3, d7), (a36, b6, c3, d8), (a36, b6, c3, d9), (a36, b6, c3, d10), (a36, b6, c
3, d11), (a36, b6, c3, d12), (a36, b6, c3, d13), (a36, b6, c3, d14), (a36, b6, c
3, d15), (a36, b6, c3, d16), (a36, b6, c3, d17), (a36, b6, c3, d18), (a36, b6,
c
3, d19), (a36, b6, c3, d20), (a36, b6, c3, d21), (a36, b6, c3, d22), (a37, b1, c
1, d1), (a37, b1, c1, d2), (a37, b1, c1, d3), (a37, b1, c1, d4), (a37, b1, c1, d
5), (a37, b1, c1, d6), (a3 7, b1, c1, d7), (a37, b1, c1, d8), (a37, b1, c1, d9),
(a37, b1, c1, d10), (a37, b1, c1, d11), (a37, b1, c1, d12), (a37, b1, c1, d13),
(a37, b1, c1, d14), (a37, b1, c1, d15), (a37, b1, c1, d16), (a37, b1, c1, d17),
(a37, b1, c1, d18), (a37, b1, c1, d19), (a 37, b1, c1, d20), (a37, b1, c1, d21)
, (a37, b1, c1, d22), (a37, b1, c2, d1), (a37, b1, c2, d2), (a37, b1, c2, d3), (
a37, b1, c2, d4), (a37, b1, c2, d5), (a37, b1, c2, d6), (a37, b1, c2, d7), (a37,
b1, c2, d8), (a37, b1, c2, d9), (a37, b1, c2, d10), (a37, b 1, c2, d11), (a37,
b1, c2, d12), (a37, b1, c2, d13), (a37, b1, c2, d14), (a37, b1, c2, d15), (a37,
b1, c2, d16), (a37, b1, c2, d17), (a37, b1, c2, d18), (a37, b1, c2, d19), (a37,
b1, c2, d20), (a37, b1, c2, d21), (a37, b1, c2, d22), (a37, b1, c3, d1), (a37 ,
b1, c3, d2), (a37, b1, c3, d3), (a37, b1, c3, d4), (a37, b1, c3, d5), (a37, b1,
c3, d6), (a37, b1, c3, d7), (a37, b1, c3, d8), (a37, b1, c3, d9), (a37, b1, c3,
d10), (a37, b1, c3, d11), (a37, b1, c3, d12), (a37, b1, c3, d13), (a37, b1, c3,
d14), (a37, b1 , c3, d15), (a37, b1, c3, d16), (a37, b1, c3, d17), (a37, b1, c3,
d18), (a37, b1, c3, d19), (a37, b1, c3, d20), (a37, b1, c3, d21), (a37, b1, c3,
d22), (a37, b2, c1, d1), (a37, b2, c1, d2), (a37, b2, c1, d3), (a37, b2, c1, d4
), (a37, b2, c1, d5), (a37, b2, c1, d6), (a37, b2, c1, d7), (a37, b2, c1, d8),
(a37, b2, c1, d9), (a37, b2, c1, d10), (a37, b2, c1, d11), (a37, b2, c1, d12), (
a37, b2, c1, d13), (a37, b2, c1, d14), (a37, b2, c1, d15), (a37, b2, c1, d16), (
a37, b2, c1, d17), (a37, b2, c1, d18), (a37, b2, c1, d19), (a37, b2, c1, d20),
(a37, b2, c1, d21), (a37, b2, c1, d22), (a37, b2, c2, d1), (a37, b2, c2, d2), (a
37, b2, c2, d3), (a37, b2, c2, d4), (a37, b2, c2, d5), (a37, b2, c2, d6), (a37,
b2, c2, d7), (a37, b2, c2, d8), (a37, b2, c2, d9), (a37, b2, c2, d10), (a37, b2,
c2, d11), (a37, b2, c2, d12), (a37, b2, c2, d13), (a37, b2, c2, d14), (a37, b2,
c2, d15), (a37, b2, c2, d16), (a37, b2, c2, d17), (a37, b2, c2, d18), (a37, b2,
c2, d19), (a37, b2, c2, d20), (a37, b2, c2, d21), (a37, b2, c2, d22), (a37, b2,
c3, d1), (a37, b2, c3, d2), (a37, b2, c3, d3), (a37, b2, c3, d4), (a37, b2, c3,
d5), (a37, b2, c3, d6), (a37, b2, c3, d7), (a37, b2, c3, d8), (a37, b2, c3, d9)
, (a37, b2, c3, d10), (a37, b2, c3, d11), (a37, b2, c3, d12), (a37, b2, c3, d13)
, (a37, b2, c3, d 14), (a37, b2, c3, d15), (a37, b2, c3, d16), (a37, b2, c3, d17
), (a37, b2, c3, d18), (a37, b2, c3, d19), (a37, b2, c3, d20), (a37, b2, c3, d21
), (a37, b2, c3, d22), (a37, b3, c1, d1), (a37, b3, c1, d2), (a37, b3, c1, d3),
(a37, b3, c1, d4), (a37, b3, c1, d 5), (a37, b3, c1, d6), (a37, b3, c1, d7), (a3
7, b3, c1, d8), (a37, b3, c1, d9), (a37, b3, c1, d10), (a37, b3, c1, d11), (a37,

b3, c1, d12), (a37, b3, c1, d13), (a37, b3, c1, d14), (a37, b3, c1, d15), (a37, b3, c1, d16), (a37, b3, c1, d17), (a37, b3, c1, d1 8), (a37, b3, c1, d19), (a37, b3, c1, d20), (a37, b3, c1, d21), (a37, b3, c1, d22), (a37, b3, c2, d1), (a37, b3, c2, d2), (a37, b3, c2, d3), (a37, b3, c2, d4), (a37, b3, c2, d5), (a37, b3, c2, d6), (a37, b3, c2, d7), (a37, b3, c2, d8), (a37, b3, c2, d9), (a37, b3, c2, d10), (a37, b3, c2, d11), (a37, b3, c2, d12), (a37, b3, c2, d13), (a37, b3, c2, d14), (a37, b3, c2, d15), (a37, b3, c2, d16), (a37, b3, c2, d17), (a37, b3, c2, d18), (a37, b3, c2, d19), (a37, b3, c2, d20), (a37, b3, c2, d21), (a37, b3, c2, d22), (a37, b3, c3, d1), (a37, b3, c3, d2), (a37, b3, c3, d3), (a37, b3, c3, d4), (a37, b3, c3, d5), (a37, b3, c3, d6), (a37, b3, c3, d7), (a37, b3, c3, d8), (a37, b3, c3, d9), (a37, b3, c3, d10), (a37, b3, c3, d11), (a37, b3, c3, d12), (a37, b3, c3, d13), (a 37, b3, c3, d14), (a37, b3, c3, d15), (a37, b3, c3, d16), (a37, b3, c3, d17), (a37, b3, c3, d18), (a37, b3, c3, d19), (a37, b3, c3, d20), (a37, b3, c3, d21), (a37, b3, c3, d22), (a37, b4, c1, d1), (a37, b4, c1, d2), (a37, b4, c1, d3), (a37, b4, c1, d4), (a 37, b4, c1, d5), (a37, b4, c1, d6), (a37 , b4, c1, d7), (a37, b4, c1, d8), (a37, b4, c1, d9), (a37, b4, c1, d10), (a37, b 4, c1, d11), (a37, b4, c1, d12), (a37, b4, c1, d13), (a37, b4, c1, d14), (a37, b 4, c1, d15), (a37, b4, c1, d16), (a37, b4, c1, d17), (a3 7, b4, c1, d18), (a37, b4, c1, d19), (a37, b4, c1, d20), (a37, b4, c1, d21), (a37, b4, c1, d22), (a37, b4, c2, d1), (a37, b4, c2, d2), (a37, b4, c2, d3), (a37, b4, c2, d4), (a37, b4, c2, d5), (a37, b4, c2, d6), (a37, b4, c2, d7), (a37, b4, c2, d8), (a37, b 4, c2, d9), (a37, b4, c2, d10), (a37, b4, c2, d11), (a37, b4, c2, d12), (a37, b4, c2, d13), (a37, b4, c2, d14), (a37, b4, c2, d15), (a37, b4, c2, d16), (a37, b4, c2, d17), (a37, b4, c2, d18), (a37, b4, c2, d19), (a37, b4, c2, d20), (a37, b4, c2, d21), (a37 , b4, c2, d22), (a37, b4, c3, d1), (a37, b4, c3, d2), (a37, b4, c3, d 3), (a37, b4, c3, d4), (a37, b4, c3, d5), (a37, b4, c3, d6), (a37, b4, c3, d7), (a37, b4, c3, d8), (a37, b4, c3, d9), (a37, b4, c3, d10), (a37, b4, c3, d11), (a 37, b4, c3, d12), (a37, b4, c3, d13), (a37, b4, c3, d14), (a37, b4, c3, d15), (a37, b4, c3, d16), (a37, b4, c3, d17), (a37, b4, c3, d18), (a37, b4, c3, d19), (a37, b4, c3, d20), (a37, b4, c3, d21), (a37, b4, c3, d22), (a37, b5, c1, d1), (a 37, b5, c1, d2), (a37, b5, c1, d3), (a37, b5 , c1, d4), (a37, b5, c1, d5), (a37, b5, c1, d6), (a37, b5, c1, d7), (a37, b5, c1, d8), (a37, b5, c1, d9), (a37, b5, c1, d10), (a37, b5, c1, d11), (a37, b5, c1, d12), (a37, b5, c1, d13), (a37, b5, c1, d14), (a37, b5, c1, d15), (a37, b5, c1, d16), (a37, b5, c1, d17), (a37, b5, c1, d18), (a37, b5, c1, d19), (a37, b5, c1, d20), (a37, b5, c1, d21), (a37, b5, c1, d22), (a37, b5, c2, d1), (a37, b5, c2, d2), (a37, b5, c2, d3), (a37, b5, c2 , d4), (a37, b5, c2, d5), (a37, b5, c2, d6), (a37, b5, c2, d7), (a37, b5, c2, d 8), (a37, b5, c2, d9), (a37, b5, c2, d10), (a37, b5, c2, d11), (a37, b5, c2, d12), (a37, b5, c2, d13), (a37, b5, c2, d14), (a37, b5, c2, d15), (a37, b5, c2, d16), (a37, b5, c2, d17), (a37, b5, c2, d18), (a37, b5, c2, d19), (a37, b5, c2, d20), (a37, b5, c 2, d21), (a37, b5, c2, d22), (a37, b5, c3, d1), (a37, b5, c3, d2) , (a37, b5, c3, d3), (a37, b5, c3, d4), (a37, b5, c3, d5), (a37, b5, c3, d6), (a 37, b5, c3, d7), (a37, b5, c3, d8), (a37, b5, c3, d9), (a37, b5, c3, d10), (a37, b5, c3, d11), (a37, b5, c3, d1 2), (a37, b5, c3, d13), (a37, b5, c3, d14), (a37 , b5, c3, d15), (a37, b5, c3, d16), (a37, b5, c3, d17), (a37, b5, c3, d18), (a37 , b5, c3, d19), (a37, b5, c3, d20), (a37, b5, c3, d21), (a37, b5, c3, d22), (a37 , b6, c1, d1), (a37, b6, c1, d2), (a37, b6, c1, d3), (a37, b6, c1, d4), (a37, b6 , c1, d5), (a37, b6, c1, d6), (a37, b6, c1, d7), (a37, b6, c1, d8), (a37, b6, c1 , d9), (a37, b6, c1, d10), (a37, b6, c1, d11), (a37, b6, c1, d12), (a37, b6, c1, d13), (a37, b6, c1, d14), (a37, b6, c1, d15), (a37, b6, c1, d16), (a37, b6, c1

, d17), (a37, b6, c1, d18), (a37, b6, c1, d19), (a37, b6, c1, d20), (a37, b6, c1
, d21), (a37, b6, c1, d22), (a37, b6, c2, d1), (a37, b6, c2, d2), (a37, b6, c2,
d3), (a37, b6, c2, d4), (a37, b6, c2, d5), (a37, b6, c2, d6), (a37, b6, c2, d7),
(a37, b6, c2, d8), (a37, b6, c2, d9), (a37, b6, c2, d10), (a37, b6, c2, d11), (
a37, b6, c2, d12), (a37, b6, c2, d13), (a37, b6, c2, d14), (a37, b6, c2, d15), (
a37, b6, c2, d16), (a37, b6, c2, d17), (a37, b6, c2, d18), (a37, b6, c2, d19), (
a37, b6, c2, d20) , (a37, b6, c2, d21), (a37, b6, c2, d22), (a37, b6, c3, d1), (
a37, b6, c3, d2), (a37, b6, c3, d3), (a37, b6, c3, d4), (a37, b6, c3, d5), (a37,
b6, c3, d6), (a37, b6, c3, d7), (a37, b6, c3, d8), (a37, b6, c3, d9), (a37, b6,
c3, d10), (a37, b6, c3, d11), (a3 7, b6, c3, d12), (a37, b6, c3, d13), (a37, b6
, c3, d14), (a37, b6, c3, d15), (a37, b6, c3, d16), (a37, b6, c3, d17), (a37, b6
, c3, d18), (a37, b6, c3, d19), (a37, b6, c3, d20), (a37, b6, c3, d21), (a37, b6
, c3, d22), (a38, b1, c1, d1), (a38, b1, c1, d2), (a38, b1, c1, d3), (a38, b1,
c1, d4), (a38, b1, c1, d5), (a38, b1, c1, d6), (a38, b1, c1, d7), (a38, b1, c1,
d8), (a38, b1, c1, d9), (a38, b1, c1, d10), (a38, b1, c1, d11), (a38, b1, c1, d1
2), (a38, b1, c1, d13), (a38, b1, c1, d14), (a38, b1, c1, d15), (a38 , b1, c1, d
16), (a38, b1, c1, d17), (a38, b1, c1, d18), (a38, b1, c1, d19), (a38, b1, c1, d
20), (a38, b1, c1, d21), (a38, b1, c1, d22), (a38, b1, c2, d1), (a38, b1, c2, d2
), (a38, b1, c2, d3), (a38, b1, c2, d4), (a38, b1, c2, d5), (a38, b1, c2, d6), (
a38, b1, c2, d7), (a38, b1, c2, d8), (a38, b1, c2, d9), (a38, b1, c2, d10), (a38
, b1, c2, d11), (a38, b1, c2, d12), (a38, b1, c2, d13), (a38, b1, c2, d14), (a38
, b1, c2, d15), (a38, b1, c2, d16), (a38, b1, c2, d17), (a38, b1, c2, d18), (a38
, b1, c2, d19), (a38, b1, c2, d20), (a38, b1, c2, d21), (a38, b1, c2, d22), (a3
8, b1, c3, d1), (a38, b1, c3, d2), (a38, b1, c3, d3), (a38, b1, c3, d4), (a38, b
1, c3, d5), (a38, b1, c3, d6), (a38, b1, c3, d7), (a38, b1, c3, d8), (a38, b1, c
3, d9), (a38, b1, c3, d10), (a38, b1, c3, d11), (a38, b1, c3, d12), (a38, b1, c3
, d13), (a38, b1, c3, d14), (a38, b1, c3, d15), (a38, b1, c3, d16), (a38, b1, c3
, d17), (a38, b1, c3, d18), (a38, b1, c3, d19), (a38, b1, c3, d20), (a38, b1, c3
, d21), (a38, b1, c3, d22), (a38, b2, c1, d1), (a38, b 2, c1, d2), (a38, b2, c1,
d3), (a38, b2, c1, d4), (a38, b2, c1, d5), (a38, b2, c1, d6), (a38, b2, c1, d7)
, (a38, b2, c1, d8), (a38, b2, c1, d9), (a38, b2, c1, d10), (a38, b2, c1, d11),
(a38, b2, c1, d12), (a38, b2, c1, d13), (a38, b2, c1, d14), (a38, b2, c 1, d15),
(a38, b2, c1, d16), (a38, b2, c1, d17), (a38, b2, c1, d18), (a38, b2, c1, d19),
(a38, b2, c1, d20), (a38, b2, c1, d21), (a38, b2, c1, d22), (a38, b2, c2, d1),
(a38, b2, c2, d2), (a38, b2, c2, d3), (a38, b2, c2, d4), (a38, b2, c2, d5), (a38
, b2, c2 , d6), (a38, b2, c2, d7), (a38, b2, c2, d8), (a38, b2, c2, d9), (a38, b
2, c2, d10), (a38, b2, c2, d11), (a38, b2, c2, d12), (a38, b2, c2, d13), (a38, b
2, c2, d14), (a38, b2, c2, d15), (a38, b2, c2, d16), (a38, b2, c2, d17), (a38, b
2, c2, d18), (a38, b2, c2 , d19), (a38, b2, c2, d20), (a38, b2, c2, d21), (a38,
b2, c2, d22), (a38, b2, c3, d1), (a38, b2, c3, d2), (a38, b2, c3, d3), (a38, b2,
c3, d4), (a38, b2, c3, d5), (a38, b2, c3, d6), (a38, b2, c3, d7), (a38, b2, c3,
d8), (a38, b2, c3, d9), (a38, b2, c3, d10), (a38, b2, c3, d11), (a38, b2, c3,
d
12), (a38, b2, c3, d13), (a38, b2, c3, d14), (a38, b2, c3, d15), (a38, b2, c3, d
16), (a38, b2, c3, d17), (a38, b2, c3, d18), (a38, b2, c3, d19), (a38, b2, c3, d
20), (a38, b2, c3, d21), (a38, b2, c3, d22), (a38, b3, c1, d1), (a38, b3, c1, d
2), (a38, b3, c1, d3), (a38, b3, c1, d4), (a38, b3, c1, d5), (a38, b3, c1, d6),
(a38, b3, c1, d7), (a38, b3, c1, d8), (a38, b3, c1, d9), (a38, b3, c1, d10), (a3
8, b3, c1, d11), (a38, b3, c1, d12), (a38, b3, c1, d13), (a38, b3, c1, d14) , (a
38, b3, c1, d15), (a38, b3, c1, d16), (a38, b3, c1, d17), (a38, b3, c1, d18), (a

38, b3, c1, d19), (a38, b3, c1, d20), (a38, b3, c1, d21), (a38, b3, c1, d22), (a38, b3, c2, d1), (a38, b3, c2, d2), (a38, b3, c2, d3), (a38, b3, c2, d4), (a38, b3, c2, d5), (a38, b3, c2, d6), (a38, b3, c2, d7), (a38, b3, c2, d8), (a38, b3, c2, d9), (a38, b3, c2, d10), (a38, b3, c2, d11), (a38, b3, c2, d12), (a38, b3, c2, d13), (a38, b3, c2, d14), (a38, b3, c2, d15), (a38, b3, c2, d16), (a38, b3, c2, d17), (a38, b3, c2, d18), (a38, b3, c2, d19), (a38, b3, c2, d20), (a38, b3, c2, d21), (a38, b3, c2, d22), (a38, b3, c3, d1), (a38, b3, c3, d2), (a38, b3, c3, d3), (a38, b3, c3, d4), (a38, b3, c3, d5), (a38, b3, c3, d6), (a38, b3, c3, d7), (a38, b3, c3, d8), (a38, b3, c3, d9), (a38 , b3, c3, d10), (a38, b3, c3, d11), (a38, b3, c3, d12), (a38, b3, c3, d13), (a38, b3, c3, d14), (a38, b3, c3, d15), (a38, b3, c3, d16), (a38, b3, c3, d17), (a38, b3, c3, d18), (a38, b3, c3, d19), (a38, b3, c3, d20), (a38, b3, c3, d21), (a38, b3, c3, d22), (a38, b4, c1, d1), (a38, b4, c1, d2), (a38, b4, c1, d3), (a38, b4, c1, d4), (a38, b4, c1, d5), (a38, b4, c1, d6), (a38, b4, c1, d7), (a38, b4, c1, d8), (a38, b4, c1, d9), (a38, b4, c1, d10), (a38, b4, c1, d11), (a38, b4, c1, d12), (a38, b4, c1, d13), (a38, b4, c1, d14), (a38, b4, c1, d15), (a38, b4, c1, d16), (a38, b4, c1, d17), (a38, b4, c1, d18), (a38, b4, c1, d19), (a38, b4, c1, d20), (a38, b4, c1, d21), (a38, b4, c1, d22), (a38, b4, c2, d1), (a38, b4, c2, d2), (a38, b4, c2, d3), (a38, b4, c2, d4), (a38, b4, c2, d5), (a38, b4, c2, d6), (a38, b4, c2, d7), (a38, b4, c2, d8), (a38, b4, c2, d9), (a38, b4, c2, d10), (a38, b4, c2, d11), (a38, b4, c2, d12), (a38, b4, c2, d13), (a38, b4, c2, d14), (a38, b4, c2, d15), (a38, b4, c2, d16), (a38, b4, c2, d17), (a38, b4, c2, d18), (a38, b4, c2, d19), (a38, b4, c2, d20), (a38, b4, c2, d21), (a38, b4, c2, d22), (a38, b4, c3, d1), (a38, b4, c3, d2), (a38, b4, c3, d3), (a38, b4, c3, d4), (a38, b4, c3, d5), (a38, b4, c3, d6), (a38, b4, c3, d7), (a38, b4, c3, d8), (a38, b4, c3, d9), (a38, b4, c3, d10), (a38, b4, c3, d11), (a38, b4, c3, d12), (a38, b4, c3, d13), (a38, b4, c3, d14), (a38, b4, c3, d15), (a38, b4, c3, d16), (a38, b4, c3, d17), (a38, b4, c3, d18), (a38, b4, c3, d19), (a38, b4, c3, d20), (a38, b4, c3, d21), (a38, b 4, c3, d22), (a38, b5, c1, d1), (a38, b5, c1, d2), (a38, b5, c1, d3), (a38, b5, c1, d4), (a38, b5, c1, d5), (a38, b5, c1, d6), (a38, b5, c1, d7), (a38, b5, c1, d8), (a38, b5, c1, d9), (a38, b5, c1, d10), (a38, b5, c1, d11), (a38, b5, c1, d12), (a38, b5, c1 , d13), (a38, b5, c1, d14), (a38, b5, c1, d15), (a38, b5, c1, d16), (a38, b5, c1, d17), (a38, b5, c1, d18), (a38, b5, c1, d19), (a38, b5, c1, d20), (a38, b5, c1, d21), (a38, b5, c1, d22), (a38, b5, c2, d1), (a38, b5, c2, d2), (a38, b5, c2, d3), (a38, b5, c 2, d4), (a38, b5, c2, d5), (a38, b5, c2, d6), (a38, b5, c2, d7), (a38, b5, c2, d8), (a38, b5, c2, d9), (a38, b5, c2, d10), (a38, b5, c2, d11), (a38, b5, c2, d12), (a38, b5, c2, d13), (a38, b5, c2, d14), (a38, b5, c2, d15), (a38, b5, c2, d16), (a38, b5, c2, d17), (a38, b5, c2, d18), (a38, b5, c2, d19), (a38, b5, c2, d20), (a38, b5, c2, d21), (a38, b5, c2, d22), (a38, b5, c3, d1), (a38, b5, c3, d2), (a38, b5, c3, d3), (a38, b5, c3, d4), (a38, b5, c3, d5), (a38, b5, c3, d6), (a38, b5, c3, d7), (a38, b5, c3, d8), (a38, b5, c3, d9), (a38, b5, c3, d10), (a38, b5, c3, d11), (a38, b5, c3, d12), (a38, b5, c3, d13), (a38, b5, c3, d14), (a38, b5, c3, d15), (a38, b5, c3, d16), (a38, b5, c3, d17), (a38, b5, c3, d18), (a38, b5, c3, d19), (a38, b5, c3, d20), (a38, b5, c3, d21), (a38, b5, c3, d22), (a38, b6, c1, d1), (a38, b6, c1, d2), (a38, b6, c1, d3), (a38, b6, c1, d4), (a38, b6, c1, d5), (a38, b6, c1, d6), (a38, b6, c1, d7), (a38, b6, c1, d8), (a38, b6, c1, d9), (a38, b6, c1, d10), (a38, b6, c1, d11), (a38, b6, c1, d12), (a38, b6, c1, d13), (a38, b6, c1, d14), (a38, b6, c1, d15), (a38, b6, c1, d16), (a38, b6, c1, d17), (a38, b6, c1, d18), (a38, b6, c1, d19), (a38, b6, c1, d20), (a38, b6, c1, d21), (a38, b6, c1, d22), (a38, b6, c2, d1), (a38, b6, c2,

d2), (a38, b6, c2, d3) , (a38, b6, c2, d4), (a38, b6, c2, d5), (a38, b6, c2, d6), (a38, b6, c2, d7), (a38, b6, c2, d8), (a38, b6, c2, d9), (a38, b6, c2, d10), (a38, b6, c2, d11), (a38, b6, c2, d12), (a38, b6, c2, d13), (a38, b6, c2, d14), (a38, b6, c2, d15), (a38, b6, c2, d16), (a38, b6, c2, d17), (a38, b6, c2, d18), (a38, b6, c2, d19), (a38, b6, c2, d20), (a38, b6, c2, d21), (a38, b6, c2, d22), (a38, b6, c3, d1), (a38, b6, c3, d2), (a38, b6, c3, d3), (a38, b6, c3, d4), (a38, b6, c3, d5), (a38, b6, c3, d6), (a38, b6, c3, d7), (a3 8, b6, c3, d8), (a38, b6, c3, d9), (a38, b6, c3, d10), (a38, b6, c3, d11), (a38, b6, c3, d12), (a38, b6, c3, d13), (a38, b6, c3, d14), (a38, b6, c3, d15), (a38, b6, c3, d16), (a38, b6, c3, d17), (a38, b6, c3, d18), (a38, b6, c3, d19), (a38, b6, c3, d20), (a38, b6, c3, d21), (a38, b6, c3, d22), (a39, b1, c1, d1), (a39, b1, c1, d2), (a39, b1, c1, d3), (a39, b1, c1, d4), (a39, b1, c1, d5), (a39, b1, c1, d6), (a39, b1, c1, d7), (a39, b1, c1, d8), (a39, b1, c1, d9), (a39, b1, c1, d10), (a39, b1, c1, d11), (a39, b1, c1, d12), (a39, b1, c1, d13), (a39, b1, c1, d14), (a39, b1, c1, d15), (a39, b1, c1, d16), (a39, b1, c1, d17), (a39, b1, c1, d18), (a39, b1, c1, d19), (a39, b1, c1, d20), (a39, b1, c1, d21), (a39, b1, c1, d22), (a39, b1, c2, d1), (a39, b1, c2, d2), (a39 , b1, c2, d3), (a39, b1, c2, d4), (a39, b1, c2, d5), (a39, b1, c2, d6), (a39, b1, c2, d7), (a39, b1, c2, d8), (a39, b1, c2, d9), (a39 , b1, c2, d10), (a39, b1, c2, d11), (a39, b1, c2, d12), (a39, b1, c2, d13), (a39 , b1, c2, d14), (a39, b1, c2, d15), (a39, b 1, c2, d16), (a39, b1, c2, d17), (a39, b1, c2, d18), (a39, b1, c2, d19), (a39, b1, c2, d20), (a39, b1, c2, d21), (a39, b1, c2, d22), (a39, b1, c3, d1), (a39, b1, c3, d2), (a39, b1, c3, d3), (a39, b1, c3, d4), (a39, b1, c3, d5), (a39, b1, c3, d6), (a39, b1, c3, d7), (a39, b1, c3, d8), (a39, b1, c3, d9), (a39, b1, c3, d10), (a39, b1, c3, d11), (a39, b1, c3, d12), (a39, b1, c3, d13), (a39, b1, c3, d14), (a39, b1, c3, d15), (a39, b1, c3, d16), (a39, b1, c3, d17), (a39, b1, c3, d18), (a39, b1, c3, d19), (a39, b1 , c3, d20), (a39, b1, c3, d21), (a39, b1, c3, d22), (a39, b2, c1, d1), (a39, b2, c1, d2), (a39, b2, c1, d3), (a39, b2, c1, d4), (a39, b2, c1, d5), (a39, b2, c1, d6), (a39, b2, c1, d7), (a39, b2, c1, d8), (a39, b2, c1, d9), (a39, b2, c1, d10), (a39, b2, c1, d11), (a39, b2, c1, d12), (a39, b2, c1, d13), (a39, b2, c1, d14), (a39, b2, c1, d15), (a39, b2, c1, d16), (a39, b2, c1, d17), (a39, b2, c1, d18), (a39, b2, c1, d19), (a39, b2, c1, d20), (a39, b2, c1, d21), (a39, b2, c1, d22), (a39, b2, c2, d1), (a39, b2, c2, d2), (a39, b2, c2, d3), (a39, b2, c2, d4), (a39, b2, c2, d5), (a39, b2, c2, d6), (a39, b2, c2, d7), (a39, b2, c2, d8), (a39, b2, c2, d9), (a39, b2, c2, d10), (a39, b2, c2, d11), (a39, b2, c2, d12), (a39, b2, c2, d13), (a39, b2, c2, d14), (a39, b2, c2, d15), (a39, b2, c2, d16), (a39, b2, c2, d17), (a39, b2, c2, d18), (a39, b2, c2, d19), (a39, b2, c2, d20), (a39, b2, c2, d21), (a39, b2, c2, d22), (a39, b2, c3, d1), (a39, b2, c3, d2), (a39, b2, c3, d3), (a39, b2, c3, d4), (a39, b2, c3, d5), (a39, b2, c3, d 6), (a39, b2, c3, d7), (a39, b2, c3, d8), (a39, b2, c3, d9), (a39, b2, c3, d10), (a39, b2, c3, d11), (a39, b2, c3, d12), (a39, b2, c3, d13), (a39, b2, c3, d14), (a39, b2, c3, d15), (a39, b2, c3, d16), (a39, b2, c3, d17), (a39, b2, c3, d18), (a39, b2, c3, d19), (a39, b2, c3, d20), (a39, b2, c3, d21), (a39, b2, c3, d22), (a39, b3, c1, d1), (a39, b3, c1, d2), (a39, b3, c1, d3), (a39, b3, c1, d4), (a39, b3, c1, d5), (a39, b3, c1, d6), (a39, b3, c1, d7), (a39, b3, c1, d8), (a39, b3, c1, d9), (a39, b3, c1, d10), (a39, b3, c1, d11), (a39, b3, c1, d12), (a39, b3, c1, d13), (a39, b3, c1, d14), (a39, b3, c1, d15), (a39, b3, c1, d16), (a39, b3, c1, d17), (a39, b3, c1, d18), (a39, b3, c1, d19), (a39, b3, c1, d20), (a39, b3, c1, d21), (a39, b3, c1, d22), (a39, b3, c2, d1), (a39, b3, c2, d2), (a39, b3, c2, d3), (a39, b3, c2, d4), (a39, b3, c2, d5), (a39, b3, c2, d6), (a39, b3, c2, d7), (a39, b3,

c2, d8), (a39, b3, c2, d9), (a39, b3, c2, d10), (a39, b3, c2, d11), (a39, b3, c
2, d12), (a39, b3, c2, d13), (a39, b3, c2, d14), (a39, b3, c2, d15), (a39, b3,
c2, d16), (a39, b3, c2, d17), (a39, b3, c2, d18), (a39, b3, c2, d19), (a39, b3,
c2, d20), (a39, b3, c2, d21), (a39, b3, c2, d22), (a39, b3, c3, d1), (a39, b3, c
3, d2), (a39, b3, c3, d3), (a39, b3, c3, d4), (a39, b3, c3, d5), (a 39, b3, c3,
d6), (a39, b3, c3, d7), (a39, b3, c3, d8), (a39, b3, c3, d9), (a39, b3, c3, d10)
, (a39, b3, c3, d11), (a39, b3, c3, d12), (a39, b3, c3, d13), (a39, b3, c3, d14)
, (a39, b3, c3, d15), (a39, b3, c3, d16), (a39, b3, c3, d17), (a39, b3, c3, d18)
, (a 39, b3, c3, d19), (a39, b3, c3, d20), (a39, b3, c3, d21), (a39, b3, c3, d22
), (a39, b4, c1, d1), (a39, b4, c1, d2), (a39, b4, c1, d3), (a39, b4, c1, d4), (
a39, b4, c1, d5), (a39, b4, c1, d6), (a39, b4, c1, d7), (a39, b4, c1, d8), (a39,
b4, c1, d9), (a39, b 4, c1, d10), (a39, b4, c1, d11), (a39, b4, c1, d12), (a39,
b4, c1, d13), (a39, b4, c1, d14), (a39, b4, c1, d15), (a39, b4, c1, d16), (a39,
b4, c1, d17), (a39, b4, c1, d18), (a39, b4, c1, d19), (a39, b4, c1, d20), (a39,
b4, c1, d21), (a39, b4, c1, d22), (a3 9, b4, c2, d1), (a39, b4, c2, d2), (a39,
b4, c2, d3), (a39, b4, c2, d4), (a39, b4, c2, d5), (a39, b4, c2, d6), (a39, b4,
c2, d7), (a39, b4, c2, d8), (a39, b4, c2, d9), (a39, b4, c2, d10), (a39, b4, c2,
d11), (a39, b4, c2, d12), (a39, b4, c2, d13), (a39, b4 , c2, d14), (a39, b4, c2
, d15), (a39, b4, c2, d16), (a39, b4, c2, d17), (a39, b4, c2, d18), (a39, b4, c2
, d19), (a39, b4, c2, d20), (a39, b4, c2, d21), (a39, b4, c2, d22), (a39, b4, c3
, d1), (a39, b4, c3, d2), (a39, b4, c3, d3), (a39, b4, c3, d4), (a39, b4 , c3, d
5
), (a39, b4, c3, d6), (a39, b4, c3, d7), (a39, b4, c3, d8), (a39, b4, c3, d9), (
a39, b4, c3, d10), (a39, b4, c3, d11), (a39, b4, c3, d12), (a39, b4, c3, d13), (
a39, b4, c3, d14), (a39, b4, c3, d15), (a39, b4, c3, d16), (a39, b4, c3, d17), (
a39, b4, c3, d18), (a39, b4, c3, d19), (a39, b4, c3, d20), (a39, b4, c3, d21),
(a39, b4, c3, d22), (a39, b5, c1, d1), (a39, b5, c1, d2), (a39, b5, c1, d3), (a3
9, b5, c1, d4), (a39, b5, c1, d5), (a39, b5, c1, d6), (a39, b5, c1, d7), (a39, b
5, c1, d8), (a39, b5, c1, d9), (a39, b5, c1, d10), (a39, b5, c1, d11), (a39, b5
, c1, d12), (a39, b5, c1, d13), (a39, b5, c1, d14), (a39, b5, c1, d15), (a39, b5
, c1, d16), (a39, b5, c1, d17), (a39, b5, c1, d18), (a39, b5, c1, d19), (a39, b5
, c1, d20), (a39, b5, c1, d21), (a39, b5, c1, d22), (a39, b5, c2, d1), (a39, b5,
c2, d2), (a39, b5, c2, d3), (a39, b5, c2, d4), (a39, b5, c2, d5), (a39, b5, c2,
d6), (a39, b5, c2, d7), (a39, b5, c2, d8), (a39, b5, c2, d9), (a39, b5, c2, d10
), (a39, b5, c2, d11), (a39, b5, c2, d12), (a39, b5, c2, d 13), (a39, b5, c2, d1
4), (a39, b5, c2, d15), (a39, b5, c2, d16), (a39, b5, c2, d17), (a39, b5, c2, d1
8), (a39, b5, c2, d19), (a39, b5, c2, d20), (a39, b5, c2, d21), (a39, b5, c2, d2
2), (a39, b5, c3, d1), (a39, b5, c3, d2), (a39, b5, c3, d3), (a39, b5, c3, d4),
(a39, b5, c3, d5), (a39, b5, c3, d6), (a39, b5, c3, d7), (a39, b5, c3, d8), (a39
, b5, c3, d9), (a39, b5, c3, d10), (a39, b5, c3, d11), (a39, b5, c3, d12), (a39,
b5, c3, d13), (a39, b5, c3, d14), (a39, b5, c3, d15), (a39, b5, c3, d16), (a39,
b5, c3, d1 7), (a39, b5, c3, d18), (a39, b5, c3, d19), (a39, b5, c3, d20), (a39
, b5, c3, d21), (a39, b5, c3, d22), (a39, b6, c1, d1), (a39, b6, c1, d2), (a39,
b6, c1, d3), (a39, b6, c1, d4), (a39, b6, c1, d5), (a39, b6, c1, d6), (a39, b6,
c1, d7), (a39, b6, c1, d8), (a39, b6, c1, d9), (a39, b6, c1, d10), (a39, b6, c1,
d11), (a39, b6, c1, d12), (a39, b6, c1, d13), (a39, b6, c1, d14), (a39, b6, c1,
d15), (a39, b6, c1, d16), (a39, b6, c1, d17), (a39, b6, c1, d18), (a39, b6, c1,
d19), (a39, b6, c1, d20), (a39, b6, c1, d21), (a39, b6, c1, d22), (a39, b6, c2
, d1), (a39, b6, c2, d2), (a39, b6, c2, d3), (a39, b6, c2, d4), (a39, b6, c2, d5
), (a39, b6, c2, d6), (a39, b6, c2, d7), (a39, b6, c2, d8), (a39, b6, c2, d9), (

a39, b6, c2, d10), (a39, b6, c2, d11), (a39, b6, c2, d12), (a 39, b6, c2, d13), (a39, b6, c2, d14), (a39, b6, c2, d15), (a39, b6, c2, d16), (a39, b6, c2, d17), (a39, b6, c2, d18), (a39, b6, c2, d19), (a39, b6, c2, d20), (a39, b6, c2, d21), (a39, b6, c2, d22), (a39, b6, c3, d1), (a39, b6, c3, d2), (a39, b6, c3, d3), (a 39, b6, c3, d4), (a39, b6, c3, d5), (a39, b6, c3, d6), (a39, b6, c3, d7), (a39, b6, c3, d8), (a39, b6, c3, d9), (a39, b6, c3, d10), (a39, b6, c3, d11), (a39, b6 , c3, d12), (a39, b6, c3, d13), (a39, b6, c3, d14), (a39, b6, c3, d15), (a39, b6 , c3, d16), (a3 9, b6, c3, d17), (a39, b6, c3, d18), (a39, b6, c3, d19), (a39, b 6, c3, d20), (a39, b6, c3, d21), (a39, b6, c3, d22), (a40, b1, c1, d1), (a40, b1 , c1, d2), (a40, b1, c1, d3), (a40, b1, c1, d4), (a40, b1, c1, d5), (a40, b1, c1 , d6), (a40, b1, c1, d7), (a40, b1, c1, d8), (a40, b1, c1, d9), (a40, b1, c1, d1 0), (a40, b1, c1, d11), (a40, b1, c1, d12), (a40, b1, c1, d13), (a40, b1, c1, d1 4), (a40, b1, c1, d15), (a40, b1, c1, d16), (a40, b1, c1, d17), (a40, b1, c1, d1 8), (a40, b1, c1, d19), (a40, b1, c1, d20), (a40 , b1, c1, d21), (a40, b1, c1, d 22), (a40, b1, c2, d1), (a40, b1, c2, d2), (a40, b1, c2, d3), (a40, b1, c2, d4), (a40, b1, c2, d5), (a40, b1, c2, d6), (a40, b1, c2, d7), (a40, b1, c2, d8), (a4 0, b1, c2, d9), (a40, b1, c2, d10), (a40, b1, c2, d11), (a40, b1, c2, d12), (a4 0, b1, c2, d13), (a40, b1, c2, d14), (a40, b1, c2, d15), (a40, b1, c2, d16), (a4 0, b1, c2, d17), (a40, b1, c2, d18), (a40, b1, c2, d19), (a40, b1, c2, d20), (a4 0, b1, c2, d21), (a40, b1, c2, d22), (a40, b1, c3, d1), (a40, b1, c3, d2), (a40, b 1, c3, d3), (a40, b1, c3, d4), (a40, b1, c3, d5), (a40, b1, c3, d6), (a40, b1 , c3, d7), (a40, b1, c3, d8), (a40, b1, c3, d9), (a40, b1, c3, d10), (a40, b1, c 3, d11), (a40, b1, c3, d12), (a40, b1, c3, d13), (a40, b1, c3, d14), (a40, b1, c 3, d15), (a40, b1, c3, d16), (a40, b1, c3, d17), (a40, b1, c3, d18), (a40, b1, c 3, d19), (a40, b1, c3, d20), (a40, b1, c3, d21), (a40, b1, c3, d22), (a40, b2, c 1, d1), (a40, b2, c1, d2), (a40, b2, c1, d3), (a40, b2, c1, d4), (a40, b2, c1, d 5), (a40, b2, c1, d6), (a40, b2, c1 , d7), (a40, b2, c1, d8), (a40, b2, c1, d9), (a40, b2, c1, d10), (a40, b2, c1, d11), (a40, b2, c1, d12), (a40, b2, c1, d13), (a40, b2, c1, d14), (a40, b2, c1, d15), (a40, b2, c1, d16), (a40, b2, c1, d17), (a40, b2, c1, d18), (a40, b2, c1, d19), (a40, b2, c 1, d20), (a40, b2, c1, d21) , (a40, b2, c1, d22), (a40, b2, c2, d1), (a40, b2, c2, d2), (a40, b2, c2, d3), (a40, b2, c2, d4), (a40, b2, c2, d5), (a40, b2, c2, d6), (a40, b2, c2, d7), (a40, b2, c2, d8), (a40, b2, c2, d9), (a40, b2, c2, d10), (a40, b2, c2, d1 1), (a40, b2, c2, d12), (a40, b2, c2, d13), (a40, b2, c2, d14), (a40, b2, c2, d15), (a40, b2, c2, d16), (a40, b2, c2, d17), (a40, b2, c2, d18), (a40, b2, c2, d19), (a40, b2, c2, d20), (a40, b2, c2, d21), (a40, b2, c2, d22), (a40, b2, c3, d1), (a40, b 2, c3, d2), (a40, b2, c3, d3), (a40, b2, c3, d4), (a40, b2, c3, d5), (a40, b2, c3, d6), (a40, b2, c3, d7), (a40, b2, c3, d8), (a40, b2, c3, d9), (a40, b2, c3, d10), (a40, b2, c3, d11), (a40, b2, c3, d12), (a40, b2, c3, d13), (a40, b2, c3, d14), (a40, b2, c3, d15), (a40, b2, c3, d16), (a40, b2, c3, d17), (a40, b2, c3, d18), (a40, b2, c3, d19), (a40, b2, c3, d20), (a40, b2, c3, d21), (a40, b2, c3, d22), (a40, b3, c1, d1), (a40, b3, c1, d2), (a40, b3, c1, d3), (a40, b3, c1, d4), (a40, b3, c1, d5), (a40, b3, c1, d6), (a40, b3, c1, d7), (a40, b3, c1, d8), (a40, b3, c1, d9), (a40, b3, c1, d10), (a40, b3, c1, d11), (a40, b3, c1, d12), (a40, b3, c1, d13), (a40, b3, c1, d14), (a40, b3, c1, d15), (a40, b3, c1, d16), (a40, b3, c1, d17), (a40, b3, c1, d18), (a40, b3, c1, d19) , (a40, b3, c1, d20), (a40, b3, c1, d21), (a40, b3, c1, d22), (a40, b3, c2, d1), (a40, b3, c2, d2), (a 40, b3, c2, d3), (a40, b3, c2, d4), (a40, b3, c2, d5), (a40, b3, c2, d6), (a40, b3, c2, d7), (a40, b3, c2, d8), (a40, b3, c2, d9), (a40, b3, c2, d10), (a4 0, b3 , c2, d11), (a40, b3, c2, d12), (a40, b3, c2, d13), (a40, b3, c2, d14), (a40, b3

, c2, d15), (a40, b3, c2, d16), (a40, b3, c2, d17), (a40, b3, c2, d18), (a40, b3
, c2, d19), (a40, b3, c2, d20), (a40, b3, c2, d21), (a40, b3, c2, d22), (a40, b3
, c3, d1), (a40, b3, c3, d2), (a40, b3, c3, d3), (a40, b3, c3, d4), (a40, b3, c3
, d5), (a40, b3, c3, d6), (a40, b3, c3, d7), (a40, b3, c3, d8), (a40, b3, c3, d9
), (a40, b3, c3, d10), (a40, b3, c3, d11), (a40, b3, c3, d12), (a40, b3, c3, d13
), (a40, b3, c3, d14), (a40 , b3, c3, d15), (a40, b3, c3, d16), (a40, b3, c3, d1
7), (a40, b3, c3, d18), (a40, b3, c3, d19), (a40, b3, c3, d20), (a40, b3, c3, d2
1), (a40, b3, c3, d22), (a40, b4, c1, d1), (a40, b4, c1, d2), (a40, b4, c1, d3),
(a40, b4, c1, d4), (a40, b4, c1, d5), (a40, b4, c1, d6), (a40, b4, c1, d7), (a
40, b4, c1, d8), (a40, b4, c1, d9), (a40, b4, c1, d10), (a40, b4, c1, d11), (a40
, b4, c1, d12), (a40, b4, c1, d13), (a40, b4, c1, d14), (a40, b4, c1, d15), (a40
, b4, c1, d16), (a40, b4, c1, d17), (a40, b4, c1, d18), (a40, b4, c1, d19), (a4
0, b4, c1, d20), (a40, b4, c1, d21), (a40, b4, c1, d22), (a40, b4, c2, d1), (a40
, b4, c2, d2), (a40, b4, c2, d3), (a40, b4, c2, d4), (a40, b4, c2, d5), (a40, b4
, c2, d6), (a40, b4, c2, d7), (a40, b4, c2, d8), (a40, b4, c2, d9), (a40, b4, c2
, d10), (a40, b4, c2, d11), (a40, b4, c2, d12), (a40, b4, c2, d13), (a40, b4, c2
, d14), (a40, b4, c2, d15), (a40, b4, c2, d16), (a40, b4, c2, d17), (a40, b4, c2
, d18), (a40, b4, c2, d19), (a40, b4, c2, d20), (a40, b4, c2, d21), (a40, b4, c2
, d22), (a40, b4, c3, d1), (a40, b4, c3, d2), (a40, b4, c3, d3), (a40, b4, c3, d
4), (a40, b4, c3, d5), (a40, b4, c3, d6), (a40, b4, c3, d7), (a40, b4, c3, d8),
(a40, b4, c3, d9), (a40, b4, c3, d10), (a40, b4, c3, d11), (a40, b4, c3, d12), (
a40, b4, c3, d13), (a40, b4, c 3, d14), (a40, b4, c3, d15), (a40, b4, c3, d16),
(a40, b4, c3, d17), (a40, b4, c3, d18), (a40, b4, c3, d19), (a40, b4, c3, d20),
(a40, b4, c3, d21), (a40, b4, c3, d22), (a40, b5, c1, d1), (a40, b5, c1, d2), (a
40, b5, c1, d3), (a40, b5, c1, d4), (a40, b5, c 1, d5), (a40, b5, c1, d6), (a40,
b5, c1, d7), (a40, b5, c1, d8), (a40, b5, c1, d9), (a40, b5, c1, d10), (a40, b5
, c1, d11), (a40, b5, c1, d12), (a40, b5, c1, d13), (a40, b5, c1, d14), (a40, b5
, c1, d15), (a40, b5, c1, d16), (a40, b5, c1, d17), (a40, b5, c1 , d18), (a40, b
5, c1, d19), (a40, b5, c1, d20), (a40, b5, c1, d21), (a40, b5, c1, d22), (a40, b
5, c2, d1), (a40, b5, c2, d2), (a40, b5, c2, d3), (a40, b5, c2, d4), (a40, b5, c
2, d5), (a40, b5, c2, d6), (a40, b5, c2, d7), (a40, b5, c2, d8), (a40, b5, c2, d
9), (a40, b5, c2, d10), (a40, b5, c2, d11), (a40, b5, c2, d12), (a40, b5, c2, d
13), (a40, b5, c2, d14), (a40, b5, c2, d15), (a40, b5, c2, d16), (a40, b5, c2, d
17), (a40, b5, c2, d18), (a40, b5, c2, d19), (a40, b5, c2, d20), (a40, b5, c2, d
21), (a40, b5, c2, d22), (a40, b5, c3, d1), (a40, b5, c3, d2), (a40, b5, c3, d3
), (a40, b5, c3, d4), (a40, b5, c3, d5), (a40, b5, c3, d6), (a40, b5, c3, d7), (
a40, b5, c3, d8), (a40, b5, c3, d9), (a40, b5, c3, d10), (a40, b5, c3, d11), (a4
0, b5, c3, d12), (a40, b5, c3, d13) , (a40, b5, c3, d14), (a40, b5, c3, d15), (a
40, b5, c3, d16), (a40, b5, c3, d17), (a40, b5, c3, d18), (a40, b5, c3, d19), (a
40, b5, c3, d20), (a40, b5, c3, d21), (a40, b5, c3, d22), (a40, b6, c1, d1), (a4
0, b6, c1, d2), (a40, b6, c1, d3), (a40, b6, c1, d4) , (a40, b6, c1, d5), (a40,
b6, c1, d6), (a40, b6, c1, d7), (a40, b6, c1, d8), (a40, b6, c1, d9), (a40, b6,
c1, d10), (a40, b6, c1, d11), (a40, b6, c1, d12), (a40, b6, c1, d13), (a40, b6,
c1, d14), (a40, b6, c1, d15), (a40, b6, c1, d16), (a40, b6, c1, d17), (a40, b6,
c1, d18), (a40, b6, c1, d19), (a40, b6, c1, d20), (a40, b6, c1, d21), (a40, b6,
c1, d22), (a40, b6, c2, d1), (a40, b6, c2, d2), (a40, b6, c2, d3), (a40, b6, c2
, d4), (a40, b6, c2, d5), (a40, b6, c2, d6), (a40, b6, c2, d7), (a40, b6, c2, d8
), (a4 0, b6, c2, d9), (a40, b6, c2, d10), (a40, b6, c2, d11), (a40, b6, c2, d12
), (a40, b6, c2, d13), (a40, b6, c2, d14), (a40, b6, c2, d15), (a40, b6, c2, d16
), (a40, b6, c2, d17), (a40, b6, c2, d18), (a40, b6, c2, d19), (a40, b6, c2, d20

)
, (a40, b6, c2, d21), (a40, b6, c2, d22), (a40, b6, c3, d1), (a40, b6, c3, d2), (a40, b6, c3, d3), (a40, b6, c3, d4), (a40, b6, c3, d5), (a40, b6, c3, d6), (a40, b6, c3, d7), (a40, b6, c3, d8), (a40, b6, c3, d9), (a40, b6, c3, d10), (a40, b6, c3, d11), (a40, b6, c3, d12), (a40, b6, c3, d13), (a40, b6, c3, d14), (a40, b6, c3, d15), (a40, b6, c3, d16), (a40, b6, c3, d17), (a40, b6, c3, d18), (a40, b6, c3, d19), (a40, b6, c3, d20), (a40, b6, c3, d21), (a40, b6, c3, d22), (a41, b1, c1, d1), (a41, b1, c1, d2), (a41, b1, c1, d3), (a41 , b1, c1, d4), (a41, b1, c1, d5), (a41, b1, c1, d6), (a41, b1, c1, d7), (a41, b1, c1, d8), (a41, b1, c1, d9), (a41, b1, c1, d10), (a41, b1, c1, d11), (a41, b1, c1, d12), (a41, b1, c1, d13), (a41, b1, c1, d14), (a41, b1, c1, d15), (a41, b1, c1, d16), (a41, b1, c1, d17), (a41, b1, c1, d18), (a41, b1, c1, d19), (a41, b1, c1, d20), (a41, b1, c1, d21), (a41, b1, c1, d22), (a41, b1, c2, d1), (a41, b1, c2, d2), (a41, b1, c2, d3), (a41, b1, c2, d4), (a41, b1, c2, d5), (a41, b1, c2, d6), (a41, b1, c2, d7), (a41, b1, c2, d8), (a41, b1, c2, d9), (a41, b1, c2, d10), (a41, b1, c2, d11), (a41, b1, c2, d12), (a41, b1, c2, d13), (a41, b1, c2, d14), (a41, b1, c2, d15), (a41, b1, c2, d16), (a41, b1, c2, d17), (a41, b1, c2, d18), (a41, b1, c2, d19), (a41, b1, c2, d20), (a41, b 1, c2, d21), (a41, b1, c2, d22), (a41, b1, c3, d1), (a41, b1, c3, d2), (a41, b1, c3, d3), (a41, b1, c3, d4), (a41, b1, c3, d5), (a41, b1, c3, d6), (a41, b1, c3, d7), (a41, b1, c3, d8), (a41, b1, c3, d9), (a41, b1, c3, d10), (a41, b1, c3, d11), (a41, b1, c3 , d12), (a41, b1, c3, d13), (a41, b1, c3, d14), (a41, b1, c3, d15), (a41, b1, c3, d16), (a41, b1, c3, d17), (a41, b1, c3, d18), (a41, b1, c3, d19), (a41, b1, c3, d20), (a41, b1, c3, d21), (a41, b1, c3, d22), (a41, b2, c1, d1), (a41, b2, c1, d2), (a41, b2, c1, d3), (a41, b2, c1, d4), (a41, b2, c1, d5), (a41, b2, c1, d6), (a41, b2, c1, d7), (a41, b2, c1, d8), (a41, b2, c1, d9), (a41, b2, c1, d10), (a41, b2, c1, d11), (a41, b2, c1, d12), (a41, b2, c1, d13), (a41, b2, c1, d14), (a41, b2, c1, d15), (a41, b2, c1, d16), (a41, b2, c1, d17), (a41, b2, c1, d18), (a41, b2, c1, d19), (a41, b2, c1, d20), (a41, b2, c1, d21), (a41, b2, c1, d22), (a41, b2, c2, d1), (a41, b2, c2, d2), (a41, b2, c2, d3), (a41, b2, c2, d4), (a41, b2, c2, d5), (a41, b2, c2, d6), (a41, b2, c2, d 7), (a41, b2, c2, d8), (a41, b2, c2, d9), (a41, b2, c2, d10), (a41, b2, c2, d11), (a41, b2, c2, d12), (a41, b2, c2, d13), (a41, b2, c2, d14), (a41, b2, c2, d15), (a41, b2, c2, d16), (a41, b2, c2, d17), (a41, b2, c2, d18), (a41, b2, c2, d19), (a41, b2, c2, d20), (a41, b2, c2, d21), (a41, b2, c2, d22), (a41, b2, c3, d1), (a41, b2, c3, d2), (a41, b2, c3, d3), (a41, b2, c3, d4), (a41, b2, c3, d5), (a41, b2, c3, d6), (a41, b2, c3, d7), (a41, b2, c3, d8), (a41, b2, c3, d9), (a41, b2, c3, d10), (a41, b2, c3, d11), (a41, b2, c3, d12), (a41, b2, c3, d13), (a41, b2, c3, d14), (a41, b2, c3, d15), (a41, b2, c3, d16), (a41, b2, c3, d17), (a41, b2, c3, d18), (a41, b2, c3, d19), (a41, b2, c3, d20), (a41, b2, c3, d21), (a41, b2, c3, d22), (a41, b3, c1, d1), (a41, b3, c1, d2), (a41, b3, c1, d3), (a41, b3, c1, d4), (a41, b3, c1, d5), (a41, b3, c1, d6), (a41, b3, c1, d7), (a41, b3, c1, d8), (a41, b3, c1, d9), (a41, b3, c1, d10), (a41, b3, c1, d11), (a41, b3, c1, d12), (a41, b3, c1, d13), (a41, b3, c1, d14), (a41, b3, c1, d15), (a41, b3, c1, d16), (a41, b3, c1, d17), (a41, b3, c1, d18), (a41, b3, c1, d19), (a41, b3, c1, d20), (a41, b3, c1, d21), (a41, b3, c1, d22), (a41, b3, c2, d1), (a41, b3, c2, d2), (a41, b3, c2, d3), (a41, b3, c2, d4), (a41, b3, c2, d5), (a41, b3, c2, d6), (a 41, b3, c2, d7), (a41, b3, c2, d8), (a41, b3, c2, d9), (a41, b3, c2, d10), (a41, b3, c2, d11), (a41, b3, c2, d12), (a41, b3, c2, d13), (a41, b3, c2, d14), (a41, b3, c2, d15), (a41, b3, c2, d16), (a41, b3, c2, d17), (a41, b3, c2, d18), (a41, b3, c2, d19), (a41, b3, c2, d20), (a41, b3, c2, d21), (a41, b3

, c2, d22), (a41, b3, c3, d1), (a41, b3, c3, d2), (a41, b3, c3, d3), (a41, b3, c
3, d4), (a41, b3, c3, d5), (a41, b3, c3, d6), (a41, b3, c3, d7), (a41, b3, c3, d
8), (a41, b3, c3, d9), (a41, b3, c3, d10), (a41, b3, c3, d11), (a41, b3, c3, d12
), (a41, b3, c3, d13), (a41, b3, c3, d14), (a41, b3, c3, d15), (a41, b3, c3, d16
), (a41, b3, c3, d17), (a41, b3, c3, d18), (a41, b3, c3, d19), (a41, b3, c3, d20
), (a41, b3, c3, d21), (a41, b3, c3, d22), (a41, b4, c1, d1), (a4 1, b4, c1, d2)
, (a41, b4, c1, d3), (a41, b4, c1, d4), (a41, b4, c1, d5), (a41, b4, c1, d6), (a
41, b4, c1, d7), (a41, b4, c1, d8), (a41, b4, c1, d9), (a41, b4, c1, d10), (a41,
 b4, c1, d11), (a41, b4, c1, d12), (a41, b4, c1, d13), (a41, b4, c1, d14), (a41,
 b 4, c1, d15), (a41, b4, c1, d16), (a41, b4, c1, d17), (a41, b4, c1, d18), (a41
, b4, c1, d19), (a41, b4, c1, d20), (a41, b4, c1, d21), (a41, b4, c1, d22), (a41
, b4, c2, d1), (a41, b4, c2, d2), (a41, b4, c2, d3), (a41, b4, c2, d4), (a41, b4
, c2, d5), (a41, b4 , c2, d6), (a41, b4, c2, d7), (a41, b4, c2, d8), (a41, b4, c
2, d9), (a41, b4, c2, d10), (a41, b4, c2, d11), (a41, b4, c2, d12), (a41, b4, c2
, d13), (a41, b4, c2, d14), (a41, b4, c2, d15), (a41, b4, c2, d16), (a41, b4, c2
, d17), (a41, b4, c2, d18), (a41, b4 , c2, d19), (a41, b4, c2, d20), (a41, b4, c
2, d21), (a41, b4, c2, d22), (a41, b4, c3, d1), (a41, b4, c3, d2), (a41, b4, c3,
 d3), (a41, b4, c3, d4), (a41, b4, c3, d5), (a41, b4, c3, d6), (a41, b4, c3, d7)
, (a41, b4, c3, d8), (a41, b4, c3, d9), (a41, b4, c3, d10), (a41, b4, c3, d11),
 (a41, b4, c3, d12), (a41, b4, c3, d13), (a41, b4, c3, d14), (a41, b4, c3, d15),
 (a41, b4, c3, d16), (a41, b4, c3, d17), (a41, b4, c3, d18), (a41, b4, c3, d19),
 (a41, b4, c3, d20), (a41, b4, c3, d21), (a41, b4, c3, d22), (a41, b5, c1, d1),
 (a41, b5, c1, d2), (a41, b5, c1, d3), (a41, b5, c1, d4), (a41, b5, c1, d5), (a4
1, b5, c1, d6), (a41, b5, c1, d7), (a41, b5, c1, d8), (a41, b5, c1, d9), (a41, b
5, c1, d10), (a41, b5, c1, d11), (a41, b5, c1, d12), (a41, b5, c1, d13), (a41, b
5, c1, d14), (a41, b5, c1, d15), (a41, b5, c1, d16), (a41, b5, c1, d17), (a41, b
5, c1, d18), (a41, b5, c1, d19), (a41, b5, c1, d20), (a41, b5, c1, d21), (a41, b
5, c1, d22), (a41, b5, c2, d1), (a41, b5, c2, d2), (a41, b5, c2, d3), (a41, b5,
c2, d4), (a41, b5, c2, d5), (a41, b5, c2, d6), (a41, b5, c2, d7), (a41, b5, c2,
d8), (a41, b5, c2, d9), (a41, b5, c2, d10), (a41, b5, c2, d11), (a41, b5, c2, d1
2), (a41, b5, c2, d13), (a41, b5, c2, d14), (a41, b5, c2, d15), (a41, b5, c2, d1
6), (a41, b5, c2, d17), (a41, b5, c2, d 18), (a41, b5, c2, d19), (a41, b5, c2, d
20), (a41, b5, c2, d21), (a41, b5, c2, d22), (a41, b5, c3, d1), (a41, b5, c3, d2
), (a41, b5, c3, d3), (a41, b5, c3, d4), (a41, b5, c3, d5), (a41, b5, c3, d6), (
a41, b5, c3, d7), (a41, b5, c3, d8), (a41, b5, c3, d9), (a41, b5, c3, d10), (a41
, b5, c3, d11), (a41, b5, c3, d12), (a41, b5, c3, d13), (a41, b5, c3, d14), (a41
, b5, c3, d15), (a41, b5, c3, d16), (a41, b5, c3, d17), (a41, b5, c3, d18), (a41
, b5, c3, d19), (a41, b5, c3, d20), (a41, b5, c3, d21), (a41, b5, c3, d2 2), (a4
1, b6, c1, d1), (a41, b6, c1, d2), (a41, b6, c1, d3), (a41, b6, c1, d4), (a41, b
6, c1, d5), (a41, b6, c1, d6), (a41, b6, c1, d7), (a41, b6, c1, d8), (a41, b6, c
1, d9), (a41, b6, c1, d10), (a41, b6, c1, d11), (a41, b6, c1, d12), (a41, b6, c1
, d13), (a41, b6, c1, d14), (a41, b6, c1, d15), (a41, b6, c1, d16), (a41, b6, c
1, d17), (a41, b6, c1, d18), (a41, b6, c1, d19), (a41, b6, c1, d20), (a41, b6, c
1, d21), (a41, b6, c1, d22), (a41, b6, c2, d1), (a41, b6, c2, d2), (a41, b6, c2,
 d3), (a41, b6, c2, d4), (a41, b6, c2, d5), (a41, b6, c2, d6), (a41, b6, c2, d7
), (a41, b6, c2, d8), (a41, b6, c2, d9), (a41, b6, c2, d10), (a41, b6, c2, d11),
 (a41, b6, c2, d12), (a41, b6, c2, d13), (a41, b6, c2, d14), (a41, b6, c2, d15),
 (a41, b6, c2, d16), (a41, b6, c2, d17), (a 41, b6, c2, d18), (a41, b6, c2, d19)
, (a41, b6, c2, d20), (a41, b6, c2, d21), (a41, b6, c2, d22), (a41, b6, c3, d1),
 (a41, b6, c3, d2), (a41, b6, c3, d3), (a41, b6, c3, d4), (a41, b6, c3, d5), (a4

1, b6, c3, d6), (a41, b6, c3, d7), (a41, b6, c3, d8), (a41, b6, c3, d9), (a41, b
6, c3, d10), (a41, b6, c3, d11), (a41, b6, c3, d12), (a41, b6, c3, d13), (a41, b
6, c3, d14), (a41, b6, c3, d15), (a41, b6, c3, d16), (a41, b6, c3, d17), (a41, b
6, c3, d18), (a41, b6, c3, d19), (a41, b6, c3, d20), (a41, b6, c3, d21), (a4 1,
b6, c3, d22), (a42, b1, c1, d1), (a42, b1, c1, d2), (a42, b1, c1, d3), (a42, b1,
c1, d4), (a42, b1, c1, d5), (a42, b1, c1, d6), (a42, b1, c1, d7), (a42, b1, c1,
d8), (a42, b1, c1, d9), (a42, b1, c1, d10), (a42, b1, c1, d11), (a42, b1, c1, d
12), (a42, b1 , c1, d13), (a42, b1, c1, d14), (a42, b1, c1, d15), (a42, b1, c1,
d16), (a42, b1, c1, d17), (a42, b1, c1, d18), (a42, b1, c1, d19), (a42, b1, c1,
d20), (a42, b1, c1, d21), (a42, b1, c1, d22), (a42, b1, c2, d1), (a42, b1, c2, d
2), (a42, b1, c2, d3), (a42, b 1, c2, d4), (a42, b1, c2, d5), (a42, b1, c2, d6),
(a42, b1, c2, d7), (a42, b1, c2, d8), (a42, b1, c2, d9), (a42, b1, c2, d10), (a
42, b1, c2, d11), (a42, b1, c2, d12), (a42, b1, c2, d13), (a42, b1, c2, d14), (a
42, b1, c2, d15), (a42, b1, c2, d16), (a42, b1, c2, d17), (a42, b1, c2, d18), (
a42, b1, c2, d19), (a42, b1, c2, d20), (a42, b1, c2, d21), (a42, b1, c2, d22), (
a42, b1, c3, d1), (a42, b1, c3, d2), (a42, b1, c3, d3), (a42, b1, c3, d4), (a42,
b1, c3, d5), (a42, b1, c3, d6), (a42, b1, c3, d7), (a42, b1, c3 , d8), (a42, b1
, c3, d9), (a42, b1, c3, d10), (a42, b1, c3, d11), (a42, b1, c3, d12), (a42, b1,
c3, d13), (a42, b1, c3, d14), (a42, b1, c3, d15), (a42, b1, c3, d16), (a42, b1,
c3, d17), (a42, b1, c3, d18), (a42, b1, c3, d19), (a42, b1, c3, d20), (a42, b1,
c3, d21), (a42, b1, c3, d22), (a42, b2, c1, d1), (a42, b2, c1, d2), (a42, b2, c
1, d3), (a42, b2, c1, d4), (a42, b2, c1, d5), (a42, b2, c1, d6), (a42, b2, c1, d
7), (a42, b2, c1, d8), (a42, b2, c1, d9), (a42, b2, c1, d10), (a42, b2, c1, d11)
, (a42, b2, c1, d 12), (a42, b2, c1, d13), (a42, b2, c1, d14), (a42, b2, c1, d15
), (a42, b2, c1, d16), (a42, b2, c1, d17), (a42, b2, c1, d18), (a42, b2, c1, d19
), (a42, b2, c1, d20), (a42, b2, c1, d21), (a42, b2, c1, d22), (a42, b2, c2, d1)
, (a42, b2, c2, d2), (a42, b2, c2, d3), (a42, b2, c2, d4), (a42, b2, c2, d5), (
a42, b2, c2, d6), (a42, b2, c2, d7), (a42, b2, c2, d8), (a42, b2, c2, d9), (a42,
b2, c2, d10), (a42, b2, c2, d11), (a42, b2, c2, d12), (a42, b2, c2, d13), (a42,
b2, c2, d14), (a42, b2, c2, d15), (a42, b2, c2, d1 6), (a42, b2, c2, d17), (a42,
b2, c2, d18), (a42, b2, c2, d19), (a42, b2, c2, d20), (a42, b2, c2, d21), (a42,
b2, c2, d22), (a42, b2, c3, d1), (a42, b2, c3, d2), (a42, b2, c3, d3), (a42, b2
, c3, d4), (a42, b2, c3, d5), (a42, b2, c3, d6), (a42, b2, c3, d7), (a42, b2, c
3, d8), (a42, b2, c3, d9), (a42, b2, c3, d10), (a42, b2, c3, d11), (a42, b2, c3,
d12), (a42, b2, c3, d13), (a42, b2, c3, d14), (a42, b2, c3, d15), (a42, b2, c3,
d16), (a42, b2, c3, d17), (a42, b2, c3, d18), (a42, b2, c3, d19), (a42, b2, c3,
d20), (a42, b2, c3, d21), (a42, b2, c3, d22), (a42, b3, c1, d1), (a42, b3, c1,
d2), (a42, b3, c1, d3), (a42, b3, c1, d4), (a42, b3, c1, d5), (a42, b3, c1, d6)
, (a42, b3, c1, d7), (a42, b3, c1, d8), (a42, b3, c1, d9), (a42, b3, c1, d10), (
a42, b3, c1, d11), (a 42, b3, c1, d12), (a42, b3, c1, d13), (a42, b3, c1, d14),
(a42, b3, c1, d15), (a42, b3, c1, d16), (a42, b3, c1, d17), (a42, b3, c1, d18),
(a42, b3, c1, d19), (a42, b3, c1, d20), (a42, b3, c1, d21), (a42, b3, c1, d22),
(a42, b3, c2, d1), (a42, b3, c2, d2), (a42, b3, c2, d3), (a42, b3, c2, d4), (a42
, b3, c2, d5), (a42, b3, c2, d6), (a42, b3, c2, d7), (a42, b3, c2, d8), (a42, b3
, c2, d9), (a42, b3, c2, d10), (a42, b3, c2, d11), (a42, b3, c2, d12), (a42, b3,
c2, d13), (a42, b3, c2, d14), (a42, b3, c2, d15), (a4 2, b3, c2, d16), (a42, b3
, c2, d17), (a42, b3, c2, d18), (a42, b3, c2, d19), (a42, b3, c2, d20), (a42, b3
, c2, d21), (a42, b3, c2, d22), (a42, b3, c3, d1), (a42, b3, c3, d2), (a42, b3,
c3, d3), (a42, b3, c3, d4), (a42, b3, c3, d5), (a42, b3, c3, d6), (a42, b3, c3,

d7), (a42, b3, c3, d8), (a42, b3, c3, d9), (a42, b3, c3, d10), (a42, b3, c3, d1
1), (a42, b3, c3, d12), (a42, b3, c3, d13), (a42, b3, c3, d14), (a42, b3, c3, d1
5), (a42, b3, c3, d16), (a42, b3, c3, d17), (a42, b3, c3, d18), (a42, b3, c3, d1
9), (a42 , b3, c3, d20), (a42, b3, c3, d21), (a42, b3, c3, d22), (a42, b4, c1, d
1), (a42, b4, c1, d2), (a42, b4, c1, d3), (a42, b4, c1, d4), (a42, b4, c1, d5),
(a42, b4, c1, d6), (a42, b4, c1, d7), (a42, b4, c1, d8), (a42, b4, c1, d9), (a42
, b4, c1, d10), (a42, b4, c1, d11), (a42, b4, c1, d12), (a42, b4, c1, d13), (a4
2, b4, c1, d14), (a42, b4, c1, d15), (a42, b4, c1, d16), (a42, b4, c1, d17), (a4
2, b4, c1, d18), (a42, b4, c1, d19), (a42, b4, c1, d20), (a42, b4, c1, d21), (a4
2, b4, c1, d22), (a42, b4, c2, d1), (a42, b4, c2, d2), (a42, b4, c2, d3), (a42,
b4, c2, d4), (a42, b4, c2, d5), (a42, b4, c2, d6), (a42, b4, c2, d7), (a42, b4,
c2, d8), (a42, b4, c2, d9), (a42, b4, c2, d10), (a42, b4, c2, d11), (a42, b4, c2
, d12), (a42, b4, c2, d13), (a42, b4, c2, d14), (a42, b4, c2, d15), (a42, b4, c2
, d16), (a42, b4, c2, d17), (a42, b4, c2, d18), (a42, b4, c2, d19), (a42, b4, c2
, d20), (a42, b4, c2, d21), (a42, b4, c2, d22), (a42, b4, c3, d1), (a42, b4, c3,
d2), (a42, b4, c3, d3), (a42, b4, c3, d4), (a42, b4, c3, d5), (a42, b4, c 3, d6
), (a42, b4, c3, d7), (a42, b4, c3, d8), (a42, b4, c3, d9), (a42, b4, c3, d10),
(a42, b4, c3, d11), (a42, b4, c3, d12), (a42, b4, c3, d13), (a42, b4, c3, d14),
(a42, b4, c3, d15), (a42, b4, c3, d16), (a42, b4, c3, d17), (a42, b4, c3, d18),
(a42, b4, c 3, d19), (a42, b4, c3, d20), (a42, b4, c3, d21), (a42, b4, c3, d22),
(a42, b5, c1, d1), (a42, b5, c1, d2), (a42, b5, c1, d3), (a42, b5, c1, d4), (a4
2, b5, c1, d5), (a42, b5, c1, d6), (a42, b5, c1, d7), (a42, b5, c1, d8), (a42, b
5, c1, d9), (a42, b5, c1, d1 0), (a42, b5, c1, d11), (a42, b5, c1, d12), (a42, b
5, c1, d13), (a42, b5, c1, d14), (a42, b5, c1, d15), (a42, b5, c1, d16), (a42, b
5, c1, d17), (a42, b5, c1, d18), (a42, b5, c1, d19), (a42, b5, c1, d20), (a42, b
5, c1, d21), (a42, b5, c1, d22), (a42, b5, c2 , d1), (a42, b5, c2, d2), (a42, b5
, c2, d3), (a42, b5, c2, d4), (a42, b5, c2, d5), (a42, b5, c2, d6), (a42, b5, c2
, d7), (a42, b5, c2, d8), (a42, b5, c2, d9), (a42, b5, c2, d10), (a42, b5, c2, d
11), (a42, b5, c2, d12), (a42, b5, c2, d13), (a42, b5, c2, d14), (a42, b5, c2,
d15), (a42, b5, c2, d16), (a42, b5, c2, d17), (a42, b5, c2, d18), (a42, b5, c2,
d19), (a42, b5, c2, d20), (a42, b5, c2, d21), (a42, b5, c2, d22), (a42, b5, c3,
d1), (a42, b5, c3, d2), (a42, b5, c3, d3), (a42, b5, c3, d4), (a42, b5, c3, d5)
, (a42, b5, c3, d6), (a42, b5, c3, d7), (a42, b5, c3, d8), (a42, b5, c3, d9), (a
42, b5, c3, d10), (a42, b5, c3, d11), (a42, b5, c3, d12), (a42, b5, c3, d13), (a
42, b5, c3, d14), (a42, b5, c3, d15), (a42, b5, c3, d16), (a42, b5, c3, d17), (a
42, b5, c3, d18) , (a42, b5, c3, d19), (a42, b5, c3, d20), (a42, b5, c3, d21), (
a42, b5, c3, d22), (a42, b6, c1, d1), (a42, b6, c1, d2), (a42, b6, c1, d3), (a42
, b6, c1, d4), (a42, b6, c1, d5), (a42, b6, c1, d6), (a42, b6, c1, d7), (a42, b6
, c1, d8), (a42, b6, c1, d9), (a4 2, b6, c1, d10), (a42, b6, c1, d11), (a42, b6,
c1, d12), (a42, b6, c1, d13), (a42, b6, c1, d14), (a42, b6, c1, d15), (a42, b6,
c1, d16), (a42, b6, c1, d17), (a42, b6, c1, d18), (a42, b6, c1, d19), (a42, b6,
c1, d20), (a42, b6, c1, d21), (a42, b6, c1, d22), (a42, b6, c2, d1), (a42, b6,
c2, d2), (a42, b6, c2, d3), (a42, b6, c2, d4), (a42, b6, c2, d5), (a42, b6, c2,
d6), (a42, b6, c2, d7), (a42, b6, c2, d8), (a42, b6, c2, d9), (a42, b6, c2, d10
), (a42, b6, c2, d11), (a42, b6, c2, d12), (a42, b6, c2, d13), (a42 , b6, c2, d1
4), (a42, b6, c2, d15), (a42, b6, c2, d16), (a42, b6, c2, d17), (a42, b6, c2, d1
8), (a42, b6, c2, d19), (a42, b6, c2, d20), (a42, b6, c2, d21), (a42, b6, c2, d2
2), (a42, b6, c3, d1), (a42, b6, c3, d2), (a42, b6, c3, d3), (a42, b6, c3, d4),
(a42 , b6, c3, d5), (a42, b6, c3, d6), (a42, b6, c3, d7), (a42, b6, c3, d8), (a4
2, b6, c3, d9), (a42, b6, c3, d10), (a42, b6, c3, d11), (a42, b6, c3, d12), (a42

, b6, c3, d13), (a42, b6, c3, d14), (a42, b6, c3, d15), (a42, b6, c3, d16), (a42 , b6, c3, d17), (a42, b6, c3, d18), (a42, b6, c3, d19), (a42, b6, c3, d20), (a4 2, b6, c3, d21), (a42, b6, c3, d22), (a43, b1, c1, d1), (a43, b1, c1, d2), (a43, b1, c1, d3), (a43, b1, c1, d4), (a43, b1, c1, d5), (a43, b1, c1, d6), (a43, b1, c1, d7), (a43, b1, c1, d8), (a43, b1, c1, d9), (a43, b1, c1, d10), (a43, b1, c 1, d11), (a43, b1, c1, d12), (a43, b1, c1, d13), (a43, b1, c1, d14), (a43, b1, c 1, d15), (a43, b1, c1, d16), (a43, b1, c1, d17), (a43, b1, c1, d18), (a43, b1, c 1, d19), (a43, b1, c1, d20), (a43, b1, c1, d21), (a43, b1, c1, d22), (a43, b1, c 2, d1), (a43, b1, c2, d2), (a43, b1, c2, d3), (a43, b1, c2, d4), (a43, b1, c2, d 5), (a43, b1, c2, d6), (a43, b1, c2, d7), (a43, b1, c2, d8), (a43, b1, c2, d9), (a43, b1, c2, d10), (a43, b1, c2, d11), (a43, b1, c2, d12), (a43, b1, c 2, d13), (a43, b1, c2, d14), (a43, b1, c2, d15), (a43, b1, c2, d16), (a43, b1, c2, d17), (a43, b1, c2, d18), (a43, b1, c2, d19), (a43, b1, c2, d20), (a43, b1, c2, d21), (a43, b1, c2, d22), (a43, b1, c3, d1), (a43, b1, c3, d2), (a43, b1, c3, d3), (a 43, b1, c3, d4), (a43, b1, c3, d5), (a43, b1, c3, d6), (a43, b1, c3, d7), (a43, b1, c3, d8), (a43, b1, c3, d9), (a43, b1, c3, d10), (a43, b1, c3, d11), (a43, b1 , c3, d12), (a43, b1, c3, d13), (a43, b1, c3, d14), (a43, b1, c3, d15), (a43, b1 , c3, d16), (a43, b1, c3 , d17), (a43, b1, c3, d18), (a43, b1, c3, d19), (a43, b 1, c3, d20), (a43, b1, c3, d21), (a43, b1, c3, d22), (a43, b2, c1, d1), (a43, b2 , c1, d2), (a43, b2, c1, d3), (a43, b2, c1, d4), (a43, b2, c1, d5), (a43, b2, c1 , d6), (a43, b2, c1, d7), (a43, b2, c1, d 8), (a43, b2, c1, d9), (a43, b2, c1, d 10), (a43, b2, c1, d11), (a43, b2, c1, d12), (a43, b2, c1, d13), (a43, b2, c1, d 14), (a43, b2, c1, d15), (a43, b2, c1, d16), (a43, b2, c1, d17), (a43, b2, c1, d 18), (a43, b2, c1, d19), (a43, b2, c1, d20), (a43, b2, c1, d21), (a43, b2, c1, d22), (a43, b2, c2, d1), (a43, b2, c2, d2), (a43, b2, c2, d3), (a43, b2, c2, d4) , (a43, b2, c2, d5), (a43, b2, c2, d6), (a43, b2, c2, d7), (a43, b2, c2, d8), (a 43, b2, c2, d9), (a43, b2, c2, d10), (a43, b2, c2, d11), (a43, b2, c2, d12) , (a 43, b2, c2, d13), (a43, b2, c2, d14), (a43, b2, c2, d15), (a43, b2, c2, d16), (a 43, b2, c2, d17), (a43, b2, c2, d18), (a43, b2, c2, d19), (a43, b2, c2, d20), (a 43, b2, c2, d21), (a43, b2, c2, d22), (a43, b2, c3, d1), (a43, b2, c3, d2), (a43 , b2, c3, d3), (a43, b2, c3, d4), (a43, b2, c3, d5), (a43, b2, c3, d6), (a43, b 2, c3, d7), (a43, b2, c3, d8), (a43, b2, c3, d9), (a43, b2, c3, d10), (a43, b2, c3, d11), (a43, b2, c3, d12), (a43, b2, c3, d13), (a43, b2, c3, d14), (a43, b2, c3, d15), (a43, b2, c3, d16), (a43, b2, c3, d17), (a43, b2, c3, d18), (a43, b2, c3, d19), (a43, b2, c3, d20), (a43, b2, c3, d21), (a43, b2, c3, d22), (a43, b3, c1, d1), (a43, b3, c1, d2), (a43, b3, c1, d3), (a43, b3, c1, d4), (a43, b3, c1, d5), (a43, b3, c1, d6), (a43, b3, c1, d7), (a 43, b3, c1, d8), (a43, b3, c1, d9), (a43, b3, c1, d10), (a43, b3, c1, d11), (a43, b3, c1, d12), (a43, b3, c1, d13), (a43, b3, c1, d14), (a43, b3, c1, d15), (a43, b3, c1, d16), (a43, b3, c1, d17), (a43, b3, c1, d18), (a43, b3, c1, d19), (a43, b3, c1, d20), (a43, b3, c1, d21), (a43, b3, c1, d22), (a43, b3, c2, d1), (a43, b3, c2, d2), (a43, b3, c2, d3), (a43, b3, c2, d4), (a43, b3, c2, d5), (a43, b3, c2, d6), (a43, b3, c2, d7), (a43 , b3, c2, d8), (a43, b3, c2, d9), (a43, b3, c2, d10), (a43, b3, c2, d11), (a43, b3, c2, d12), (a43, b3, c2, d13), (a43, b3, c2, d14), (a43, b3, c2, d15), (a43, b3, c2, d16), (a43, b3, c2, d17), (a43, b3, c2, d18), (a43, b3, c2, d19), (a43, b3, c2, d20), (a43, b3, c2, d21), (a43, b3, c2, d22), (a43, b3, c3, d1), (a43, b3, c3, d2), (a4 3, b3, c3, d3), (a43, b3, c3, d4), (a43, b3, c3, d5), (a43, b3, c3, d6), (a43, b3, c3, d7), (a43, b3, c3, d8), (a43, b3, c3, d9), (a43, b3, c3, d10), (a43, b3, c3, d11), (a43, b3, c3, d12), (a43, b3, c3, d13), (a43, b3, c3, d14), (a43, b3, c3, d15), (a43, b3, c3, d16), (a43, b3, c3, d17), (a43, b3, c3,

d18), (a43, b3, c3, d19), (a43, b3, c3, d20), (a43, b3, c3, d21), (a43, b3, c3, d22), (a43, b4, c1, d1), (a43, b4, c1, d2), (a43, b4, c1, d3), (a43, b4, c1, d4), (a43, b4, c1, d5), (a43, b4, c1, d6), (a43, b4 , c1, d7), (a43, b4, c1, d8), (a43, b4, c1, d9), (a43, b4, c1, d10), (a43, b4, c1, d11), (a43, b4, c1, d12), (a43, b4, c1, d13), (a43, b4, c1, d14), (a43, b4, c1, d15), (a43, b4, c1, d16), (a43, b4, c1, d17), (a43, b4, c1, d18), (a43, b4, c1, d19), (a43, b 4, c1, d20), (a43, b4, c1, d21), (a43, b4, c1, d22), (a43, b4, c2, d1), (a43, b4, c2, d2), (a43, b4, c2, d3), (a43, b4, c2, d4), (a43, b4, c2, d5), (a43, b4, c2, d6), (a43, b4, c2, d7), (a43, b4, c2, d8), (a43, b4, c2, d9), (a43, b4, c2, d10), (a43, b4, c2 , d11), (a43, b4, c2, d12), (a43, b4, c2, d13), (a43, b4, c2, d14), (a43, b4, c2, d15), (a43, b4, c2, d16), (a43, b4, c2, d17), (a43, b4, c2, d18), (a43, b4, c2, d19), (a43, b4, c2, d20), (a43, b4, c2, d21), (a43, b4, c2, d22), (a43, b4, c3, d1), (a43, b4, c3, d2), (a43, b4, c3, d3), (a43, b4, c3, d4), (a43, b4, c3, d5), (a43, b4, c3, d6), (a43, b4, c3, d7), (a43, b4, c3, d8), (a43, b4, c3, d9), (a43, b4, c3, d10), (a43, b4, c3, d11), (a43, b4, c3, d12), (a43, b4, c3, d13), (a43, b4, c3, d14), (a43, b4, c3, d15), (a43, b4, c3, d16), (a43, b4, c3, d17), (a43, b4, c3, d18), (a43, b4, c3, d19), (a43, b4, c3, d20), (a43, b4, c3, d21), (a43, b4, c3, d22), (a43, b5, c1, d1), (a43, b5, c1, d2), (a43, b5, c1, d3), (a43, b5, c1, d4), (a43, b5, c1, d5), (a43, b5, c1, d6), (a43, b5, c1, d7), (a43, b5, c1, d8), (a43, b5, c1, d9), (a43, b5, c1, d10), (a43, b5, c1, d11), (a43, b5, c1, d12), (a43, b5, c1, d13), (a43, b5, c1, d14), (a43, b5, c1, d15), (a43, b5, c1, d16), (a43, b5, c1, d17), (a43, b5, c1, d18), (a43, b5, c1, d19), (a43, b5, c1, d20), (a43, b5, c1, d21), (a43, b5, c1, d22), (a43, b5, c2, d1), (a43, b5, c2, d2), (a43, b5, c2, d3), (a43, b5, c2, d4), (a43, b5, c2, d5), (a43, b5, c2, d6), (a43, b5, c2, d7), (a43, b5, c2, d8), (a43, b5, c2, d9), (a43, b5, c2, d10), (a43, b5, c2, d11), (a43, b5, c2, d12), (a43, b5, c2, d13), (a43, b5, c2, d14), (a43, b5, c2, d15), (a43, b5, c2, d16), (a43, b5, c2, d17), (a43, b5, c2, d18), (a43, b5, c2, d19), (a43, b5, c2, d20), (a43, b5, c2, d21), (a43, b5, c2, d22), (a43, b5, c3, d 1), (a43, b5, c3, d2), (a43, b5, c3, d3), (a43, b5, c3, d4), (a43, b5, c3, d5), (a43, b5, c3, d6), (a43, b5, c3, d7), (a43, b5, c3, d8), (a43, b5, c3, d9), (a43, b5, c3, d10), (a43, b5, c3, d11), (a43, b5, c3, d12), (a43, b5, c3, d13), (a43, b5, c3, d14), (a43, b5, c3, d15), (a43, b5, c3, d16), (a43, b5, c3, d17), (a43, b5, c3, d18), (a43, b5, c3, d19), (a43, b5, c3, d20), (a43, b5, c3, d21), (a43, b5, c3, d22), (a43, b6, c1, d1), (a43, b6, c1, d2), (a43, b6, c1, d3), (a43, b6, c1, d4), (a43, b6, c1, d5), (a43, b6, c1, d6), (a43, b6, c1, d7), (a43, b6, c1, d8), (a43, b6, c1, d9), (a43, b6, c1, d10), (a43, b6, c1, d11), (a43, b6, c1, d12), (a43, b6, c1, d13), (a43, b6, c1, d14), (a43, b6, c1, d15), (a43, b6, c1, d16), (a43, b6, c1, d17), (a43, b6, c1, d18), (a43, b6, c1, d19), (a43, b6, c1, d20), (a43, b6, c1, d21), (a43, b6, c1, d22), (a43, b6, c2, d1), (a43, b6, c2, d2), (a43, b6, c2, d3), (a43, b6, c2, d4), (a43, b6, c2, d5), (a43, b6, c2, d6), (a43, b6, c2, d7), (a43, b6, c2, d8), (a43, b6, c2, d9), (a43, b6, c2, d10), (a43, b6, c2, d11), (a43, b6, c2, d12), (a43, b6, c2, d13), (a43, b6, c2, d14), (a43, b6, c2, d15), (a43, b6, c2, d16), (a43, b6, c2, d17), (a43, b6, c2, d18), (a43, b6, c2, d19), (a43, b6, c2, d20), (a43, b6, c2, d21), (a43, b6, c2, d22), (a 43, b6, c3, d1), (a43, b6, c3, d2), (a43, b6, c3, d3), (a43, b6, c3, d4), (a43, b6, c3, d5), (a43, b6, c3, d6), (a43, b6, c3, d7), (a43, b6, c3, d8), (a43, b6, c3, d9), (a43, b6, c3, d10), (a43, b6, c3, d11), (a43, b6, c3, d12), (a43, b6, c3, d13), (a43, b 6, c3, d14), (a43, b6, c3, d15), (a43, b6, c3, d16), (a43, b6, c3, d17), (a43, b6, c3, d18), (a43, b6, c3, d19), (a43

, b6, c3, d20), (a43, b6, c3, d21), (a43, b6, c3, d22), (a44, b1, c1, d1), (a44, b1, c1, d2), (a44, b1, c1, d3), (a44, b1, c1, d4), (a44, b 1, c1, d5), (a44, b1, c1, d6), (a44, b1, c1, d7), (a44, b1, c1, d8), (a44, b1, c1, d9), (a44, b1, c1, d10), (a44, b1, c1, d11), (a44, b1, c1, d12), (a44, b1, c1, d13), (a44, b1, c1, d14), (a44, b1, c1, d15), (a44, b1, c1, d16), (a44, b1, c1, d17), (a44, b1 , c1, d18), (a44, b1, c1, d19), (a44, b1, c1, d20), (a44, b1, c1, d21), (a44, b1, c1, d22), (a44, b1, c2, d1), (a44, b1, c2, d2), (a44, b1, c2, d3), (a44, b1, c2, d4), (a44, b1, c2, d5), (a44, b1, c2, d6), (a44, b1, c2, d7), (a44, b1, c2, d8), (a44, b1, c2 , d9), (a44, b1, c2, d10), (a44, b1, c2, d11), (a44, b1, c2, d12), (a44, b1, c2, d13), (a44, b1, c2, d14), (a44, b1, c2, d15), (a44, b1, c2, d16), (a44, b1, c2, d17), (a44, b1, c2, d18), (a44, b1, c2, d19), (a44, b1, c2, d20), (a44, b1, c2, d21), (a44, b1, c2, d22), (a44, b1, c3, d1), (a44, b1, c3, d2), (a44, b1, c3, d3), (a44, b1, c3, d4), (a44, b1, c3, d5), (a44, b1, c3, d6), (a44, b1, c3, d7), (a44, b1, c3, d8), (a44, b1, c3, d9), (a44, b1, c3, d10), (a44, b1, c3, d11), (a44, b1, c3, d12), (a44, b1, c3, d13), (a44, b1, c3, d14), (a44, b1, c3, d15), (a44, b1, c3, d16), (a44, b1, c3, d17), (a44, b1, c3, d18), (a44, b1, c3, d19), (a44, b1, c3, d20), (a44, b1, c3, d21), (a44, b1, c3, d22), (a44, b2, c1, d1), (a44, b2, c1, d2), (a44, b2, c1, d3), (a44, b2, c1, d4), (a44, b2, c1, d5), (a44, b2, c1, d6), (a44, b2, c1, d7), (a44, b2, c1, d8), (a44, b2, c1, d9), (a44, b2, c1, d10), (a44, b2, c1, d11), (a44, b2, c1, d12), (a44, b2, c1, d13), (a44, b2, c1, d14), (a44, b2, c1, d15), (a44, b2, c1, d16), (a44, b2, c1, d17), (a44, b2, c1, d18), (a44, b2, c1, d19), (a44, b2, c1, d20), (a44, b2, c1, d21), (a44, b2, c1, d22), (a44, b2, c2, d1), (a44, b2, c2, d2), (a44, b2, c2, d3), (a44, b2, c2, d4), (a44, b2, c2, d5), (a44, b2, c2, d6), (a44, b2, c2, d7), (a44, b2, c2, d8), (a44, b2, c2, d9), (a44, b2, c2, d10), (a44, b2, c2, d11), (a44, b2, c2, d12), (a44, b2, c2, d13), (a44, b2, c2, d14), (a44, b2, c2, d15), (a44, b2, c2, d16), (a44, b2, c2, d17), (a44, b2, c2, d18), (a44, b2, c2, d19), (a44, b2, c2, d20), (a44, b2, c2, d2 1), (a44, b2, c2, d22), (a44, b2, c3, d1), (a44, b2, c3, d2), (a44, b2, c3, d3), (a44, b2, c3, d4), (a44, b2, c3, d5), (a44, b2, c3, d6), (a44, b2, c3, d7), (a44, b2, c3, d8), (a44, b2, c3, d9), (a44, b2, c3, d10), (a44, b2, c3, d11), (a44, b2, c3, d12), (a44, b2, c3, d13), (a44, b2, c3, d14), (a44, b2, c3, d15), (a44, b2, c3, d16), (a44, b2, c3, d17), (a44, b2, c3, d18), (a44, b2, c3, d19), (a44, b2, c3, d20), (a44, b2, c3, d21), (a44, b2, c3, d22), (a44, b3, c1, d1), (a44, b3, c1, d2), (a44, b3, c1, d3), (a44, b3, c1, d4), (a44, b3, c1, d5), (a44, b3, c1, d6), (a44, b3, c1, d7), (a44, b3, c1, d8), (a44, b3, c1, d9), (a44, b3, c1, d10), (a44, b3, c1, d11), (a44, b3, c1, d12), (a44, b3, c1, d13), (a44, b3, c1, d14), (a44, b3, c1, d15), (a44, b3, c1, d16), (a 44, b3, c1, d17), (a44, b3, c1, d18), (a44, b3, c1, d19), (a44, b3, c1, d20), (a44, b3, c1, d21), (a44, b3, c1, d22), (a44, b3, c2, d1), (a44, b3, c2, d2), (a44, b3, c2, d3), (a44, b3, c2, d4), (a44, b3, c2, d5), (a44, b3, c2, d6), (a4 4, b3, c2, d7), (a44, b3, c2, d8), (a44, b3, c2, d9), (a44, b3, c2, d10), (a44, b3, c2, d11), (a44, b3, c2, d12), (a44, b3, c2, d13), (a44, b3, c2, d14), (a44, b3, c2, d15), (a44, b3, c2, d16), (a44, b3, c2, d17), (a44, b3, c2, d18), (a44, b3, c2, d19), (a44, b3, c2, d20), (a4 4, b3, c2, d21), (a44, b3, c2, d22), (a44, b3, c3, d1), (a44, b3, c3, d2), (a44, b3, c3, d3), (a44, b3, c3, d4), (a44, b3, c3, d5), (a44, b3, c3, d6), (a44, b3, c3, d7), (a44, b3, c3, d8), (a44, b3, c3, d9), (a44, b3, c3, d10), (a44, b3, c3, d11), (a44, b3 , c3, d12), (a44, b3, c3, d13), (a44, b3, c3, d14), (a44, b3, c3, d15), (a44, b3, c3, d16), (a44, b3, c3, d17), (a44, b3, c3, d18), (a44, b3, c3, d19), (a44, b3, c3, d20), (a44, b3, c3, d21), (a44, b3, c3, d22), (a44, b4, c1, d1), (a44, b4, c1, d2), (a44, b4, c1,

d3), (a44, b4, c1, d4), (a44, b4, c1, d5), (a44, b4, c1, d6), (a44, b4, c1, d7), (a44, b4, c1, d8), (a44, b4, c1, d9), (a44, b4, c1, d10), (a44, b4, c1, d11), (a44, b4, c1, d12), (a44, b4, c1, d13), (a44, b4, c1, d14), (a44, b4, c1, d15), (a44, b4, c1, d16), (a44, b4, c1, d17), (a44, b4, c1, d18), (a44, b4, c1, d19), (a44, b4, c1, d20), (a44, b4, c1, d21), (a44, b4, c1, d22), (a44, b4, c2, d1), (a44, b4, c2, d2), (a44, b4, c2, d3), (a44, b4, c2, d4), (a44, b4, c2, d5), (a44, b4, c2, d6), (a44, b4, c 2, d7), (a44, b4, c2, d8), (a44, b4, c2, d9), (a44, b4, c2, d10), (a44, b4, c2, d11), (a44, b4, c2, d12), (a44, b4, c2, d13), (a44, b4, c2, d14), (a44, b4, c2, d15), (a44, b4, c2, d16), (a44, b4, c2, d17), (a44, b4, c2, d18), (a44, b4, c2, d19), (a44, b4, c2, d20), (a44, b4, c2, d21), (a44, b4, c2, d22), (a44, b4, c3, d1), (a44, b4, c3, d2), (a44, b4, c3, d3), (a44, b4, c3, d4), (a44, b4, c3, d5), (a44, b4, c3, d6), (a44, b4, c3, d7), (a44, b4, c3, d8), (a44, b4, c3, d9), (a44, b4, c3, d10), (a44, b4, c3, d 11), (a44, b4, c3, d12), (a44, b4, c3, d13), (a44, b4, c3, d14), (a44, b4, c3, d15), (a44, b4, c3, d16), (a44, b4, c3, d17), (a44, b4, c3, d18), (a44, b4, c3, d19), (a44, b4, c3, d20), (a44, b4, c3, d21), (a44, b4, c3, d22), (a44, b5, c1, d1), (a44, b5, c1 , d2), (a44, b5, c1, d3), (a44, b5, c1, d4), (a44, b5, c1, d5), (a44, b5, c1, d6), (a44, b5, c1, d7), (a44, b5, c1, d8), (a44, b5, c1, d9), (a44, b5, c1, d10), (a44, b5, c1, d11), (a44, b5, c1, d12), (a44, b5, c1, d13), (a44, b5, c1, d14), (a44, b5, c1, d1 5), (a44, b5, c1, d16), (a44, b5, c1, d17), (a44, b5, c1, d18), (a44, b5, c1, d19), (a44, b5, c1, d20), (a44, b5, c1, d21), (a44, b5, c1, d22), (a44, b5, c2, d1), (a44, b5, c2, d2), (a44, b5, c2, d3), (a44, b5, c2, d4), (a44, b5, c2, d5), (a44, b5, c2, d6) , (a44, b5, c2, d7), (a44, b5, c2, d8), (a44, b5, c2, d9), (a44, b5, c2, d10), (a44, b5, c2, d11), (a44, b5, c2, d12), (a44, b5, c2, d13), (a44, b5, c2, d14), (a44, b5, c2, d15), (a44, b5, c2, d16), (a44, b5, c2, d17), (a44, b5, c2, d18), (a44, b5, c2, d19), (a44, b5, c2, d20), (a44, b5, c2, d21), (a44, b5, c2, d22), (a44, b5, c3, d1), (a44, b5, c3, d2), (a44, b5, c3, d3), (a44, b5, c3, d4), (a44, b5, c3, d5), (a44, b5, c3, d6), (a44, b5, c3, d7), (a44, b5, c3, d8), (a44, b5, c3, d9), (a44, b5, c3, d10), (a 44, b5, c3, d11), (a44, b5, c3, d12), (a44, b5, c3, d13), (a44, b5, c3, d14), (a44, b5, c3, d15), (a44, b5, c3, d16), (a44, b5, c3, d17), (a44, b5, c3, d18), (a44, b5, c3, d19), (a44, b5, c3, d20), (a44, b5, c3, d21), (a44, b5, c3, d22), (a44, b6, c1, d1), (a44, b6, c1, d2), (a44, b6, c1, d3), (a44, b6, c1, d4), (a44, b6, c1, d5), (a44, b6, c1, d6), (a44, b6, c1, d7), (a44, b6, c1, d8), (a44, b6, c1, d9), (a44, b6, c1, d10), (a44, b6, c1, d11), (a44, b6, c1, d12), (a44, b6, c1, d13), (a44, b6, c1, d14), (a4 4, b6, c1, d15), (a44, b6, c1, d16), (a44, b6, c1, d17), (a44, b6, c1, d18), (a44, b6, c1, d19), (a44, b6, c1, d20), (a44, b6, c1, d21), (a44,

b6, c1, d22), (a44, b6, c2, d1), (a44, b6, c2, d2), (a44, b6, c2, d3), (a44, b6, c2, d4), (a44, b6, c2, d5), (a44 , b6, c2, d6), (a44, b6, c2, d7), (a44, b6, c2, d8), (a44, b6, c2, d9), (a44, b6, c2, d10), (a44, b6, c2, d11), (a44, b6, c2, d12), (a44, b6, c2, d13), (a44, b6, c2, d14), (a44, b6, c2, d15), (a44, b6, c2, d16), (a44, b6, c2, d17), (a44, b6, c2, d18), (a44 , b6, c2, d19), (a44, b6, c2, d20), (a44, b6, c2, d21), (a44, b6, c2, d22), (a44, b6, c3, d1), (a44, b6, c3, d2), (a44, b6, c3, d3), (a44, b6, c3, d4), (a44, b6, c3, d5), (a44, b6, c3, d6), (a44, b6, c3, d7), (a44, b6, c3, d8), (a44, b6, c3, d9), (a44, b6, c3, d10), (a44, b6, c3, d11), (a44, b6, c3, d12), (a44, b6, c3, d13), (a44, b6, c3, d14), (a44, b6, c3, d15), (a44, b6, c3, d16), (a44, b6, c3, d17), (a44, b6, c3, d18), (a44, b6, c3, d19), (a44, b6, c3, d20), (a44, b6, c3, d21), (a44, b6, c3, d22), (a45, b1, c1, d1), (a45, b1, c1, d2), (a45, b1, c1, d3), (a45, b1, c1, d4), (a45

, b1, c1, d5), (a45, b1, c1, d6), (a45, b1, c1, d7), (a45, b1, c1, d8), (a45, b1
, c1, d9), (a45, b1, c1, d10), (a45, b1, c1, d11), (a45, b1, c1, d12), (a45, b1,
c1, d13), (a45, b1, c1, d14), (a45, b1, c1, d15), (a45, b1, c1, d16), (a45, b1,
c1, d17), (a45, b1, c1, d18), (a45, b1, c1, d19), (a45, b1, c1, d20), (a45, b1,
c1, d21), (a45, b1, c1, d22), (a45, b1, c2, d1), (a45, b1, c2, d2), (a45, b1, c
2, d3), (a45, b1, c2, d4), (a45, b1, c2, d5), (a45, b1, c2, d6), (a45, b1, c2, d
7), (a45, b1, c2, d8), (a45, b1, c2, d9), (a45, b1, c2, d10), (a45, b1, c2, d11)
, (a45, b1, c2, d12), (a45, b1, c2, d13), (a45, b1, c2, d14), (a45, b1, c2, d15)
, (a45, b1, c2, d16), (a45, b1, c2, d17), (a45, b1, c 2, d18), (a45, b1, c2, d19
), (a45, b1, c2, d20), (a45, b1, c2, d21), (a45, b1, c2, d22), (a45, b1, c3, d1)
, (a45, b1, c3, d2), (a45, b1, c3, d3), (a45, b1, c3, d4), (a45, b1, c3, d5), (a
45, b1, c3, d6), (a45, b1, c3, d7), (a45, b1, c3, d8), (a45, b1, c3, d 9), (a45,
b1, c3, d10), (a45, b1, c3, d11), (a45, b1, c3, d12), (a45, b1, c3, d13), (a45,
b1, c3, d14), (a45, b1, c3, d15), (a45, b1, c3, d16), (a45, b1, c3, d17), (a45,
b1, c3, d18), (a45, b1, c3, d19), (a45, b1, c3, d20), (a45, b1, c3, d21), (a45,
b1, c3 , d22), (a45, b2, c1, d1), (a45, b2, c1, d2), (a45, b2, c1, d3), (a45, b
2, c1, d4), (a45, b2, c1, d5), (a45, b2, c1, d6), (a45, b2, c1, d7), (a45, b2, c
1, d8), (a45, b2, c1, d9), (a45, b2, c1, d10), (a45, b2, c1, d11), (a45, b2, c1,
d12), (a45, b2, c1, d13), (a45, b2, c1, d14), (a45, b2, c1, d15), (a45, b2, c1
, d16), (a45, b2, c1, d17), (a45, b2, c1, d18), (a45, b2, c1, d19), (a45, b2, c1
, d20), (a45, b2, c1, d21), (a45, b2, c1, d22), (a45, b2, c2, d1), (a45, b2, c2,
d2), (a45, b2, c2, d3), (a45, b2, c2, d4), (a45, b2, c2, d5), (a45, b2, c2, d6
), (a45, b2, c2, d7), (a45, b2, c2, d8), (a45, b2, c2, d9), (a45, b2, c2, d10),
(a45, b2, c2, d11), (a45, b2, c2, d12), (a45, b2, c2, d13), (a45, b2, c2, d14),
(a45, b2, c2, d15), (a45, b2, c2, d16), (a45, b2, c2, d17) , (a45, b2, c2, d18),
(a45, b2, c2, d19), (a45, b2, c2, d20), (a45, b2, c2, d21), (a45, b2, c2, d22),
(a45, b2, c3, d1), (a45, b2, c3, d2), (a45, b2, c3, d3), (a45, b2, c3, d4), (a4
5, b2, c3, d5), (a45, b2, c3, d6), (a45, b2, c3, d7), (a45, b2, c3, d8), (a 45,
b2, c3, d9), (a45, b2, c3, d10), (a45, b2, c3, d11), (a45, b2, c3, d12), (a45, b
2, c3, d13), (a45, b2, c3, d14), (a45, b2, c3, d15), (a45, b2, c3, d16), (a45, b
2, c3, d17), (a45, b2, c3, d18), (a45, b2, c3, d19), (a45, b2, c3, d20), (a45, b
2, c3, d21), (a45, b2, c3, d22), (a45, b3, c1, d1), (a45, b3, c1, d2), (a45, b3
, c1, d3), (a45, b3, c1, d4), (a45, b3, c1, d5), (a45, b3, c1, d6), (a45, b3, c1
, d7), (a45, b3, c1, d8), (a45, b3, c1, d9), (a45, b3, c1, d10), (a45, b3, c1, d
11), (a45, b3, c1, d12), (a45 , b3, c1, d13), (a45, b3, c1, d14), (a45, b3, c1,
d15), (a45, b3, c1, d16), (a45, b3, c1, d17), (a45, b3, c1, d18), (a45, b3, c1,
d19), (a45, b3, c1, d20), (a45, b3, c1, d21), (a45, b3, c1, d22), (a45, b3, c2,
d1), (a45, b3, c2, d2), (a45, b3, c2, d3), (a4 5, b3, c2, d4), (a45, b3, c2, d5)
, (a45, b3, c2, d6), (a45, b3, c2, d7), (a45, b3, c2, d8), (a45, b3, c2, d9), (a
45, b3, c2, d10), (a45, b3, c2, d11), (a45, b3, c2, d12), (a45, b3, c2, d13), (a
45, b3, c2, d14), (a45, b3, c2, d15), (a45, b3, c2, d16), (a45, b3, c2, d17), (
a45, b3, c2, d18), (a45, b3, c2, d19), (a45, b3, c2, d20), (a45, b3, c2, d21), (
a45, b3, c2, d22), (a45, b3, c3, d1), (a45, b3, c3, d2), (a45, b3, c3, d3), (a45
, b3, c3, d4), (a45, b3, c3, d5), (a45, b3, c3, d6), (a45, b3, c3, d7), (a45, b3
, c3, d8), (a45, b3, c3, d9), (a45, b3, c3, d10), (a45, b3, c3, d11), (a45, b3,
c3, d12), (a45, b3, c3, d13), (a45, b3, c3, d14), (a45, b3, c3, d15), (a45, b3,
c3, d16), (a45, b3, c3, d17), (a45, b3, c3, d18), (a45, b3, c3, d19), (a45, b3,
c3, d20), (a45, b3, c3, d21), (a45, b3, c3, d22), (a45, b4, c1, d1), (a45, b4,
c1, d2), (a45, b4, c1, d3), (a45, b4, c1, d4), (a45, b4, c1, d5), (a45, b4, c1,
d6), (a45, b4, c1, d7), (a45, b4, c1, d8), (a45, b4, c1, d9), (a45, b4, c1, d10)

, (a45, b4, c1, d11), (a45, b4, c 1, d12), (a45, b4, c1, d13), (a45, b4, c1, d14
), (a45, b4, c1, d15), (a45, b4, c1, d16), (a45, b4, c1, d17), (a45, b4, c1, d18
), (a45, b4, c1, d19), (a45, b4, c1, d20), (a45, b4, c1, d21), (a45, b4, c1, d22
), (a45, b4, c2, d1), (a45, b4, c2, d2), (a45, b4, c2, d3), (a45, b4, c2, d4),
(a45, b4, c2, d5), (a45, b4, c2, d6), (a45, b4, c2, d7), (a45, b4, c2, d8), (a45
, b4, c2, d9), (a45, b4, c2, d10), (a45, b4, c2, d11), (a45, b4, c2, d12), (a45,
b4, c2, d13), (a45, b4, c2, d14), (a45, b4, c2, d15), (a45, b4, c2 , d16), (a45
, b4, c2, d17), (a45, b4, c2, d18), (a45, b4, c2, d19), (a45, b4, c2, d20), (a45
, b4, c2, d21), (a45, b4, c2, d22), (a45, b4, c3, d1), (a45, b4, c3, d2), (a45,
b4, c3, d3), (a45, b4, c3, d4), (a45, b4, c3, d5), (a45, b4, c3, d6), (a45, b4,
c3, d7), (a45, b4, c3, d8), (a45, b4, c3, d9), (a45, b4, c3, d10), (a45, b4, c3,
d11), (a45, b4, c3, d12), (a45, b4, c3, d13), (a45, b4, c3, d14), (a45, b4, c3,
d15), (a45, b4, c3, d16), (a45, b4, c3, d17), (a45, b4, c3, d18), (a45, b4, c3,
d19), (a45, b4, c3, d20), (a45, b4, c3, d21), (a45, b4, c3, d22), (a45, b5, c1
, d1), (a45, b5, c1, d2), (a45, b5, c1, d3), (a45, b5, c1, d4), (a45, b5, c1, d5
), (a45, b5, c1, d6), (a45, b5, c1, d7), (a45, b5, c1, d8), (a45, b5, c1, d9), (
a45, b5, c1, d10), (a45, b5, c1, d11) , (a45, b5, c1, d12), (a45, b5, c1, d13),
(a45, b5, c1, d14), (a45, b5, c1, d15), (a45, b5, c1, d16), (a45, b5, c1, d17),
(a45, b5, c1, d18), (a45, b5, c1, d19), (a45, b5, c1, d20), (a45, b5, c1, d21),
(a45, b5, c1, d22), (a45, b5, c2, d1), (a45, b5, c2, d 2), (a45, b5, c2, d3), (a
45, b5, c2, d4), (a45, b5, c2, d5), (a45, b5, c2, d6), (a45, b5, c2, d7), (a45,
b5, c2, d8), (a45, b5, c2, d9), (a45, b5, c2, d10), (a45, b5, c2, d11), (a45, b5
, c2, d12), (a45, b5, c2, d13), (a45, b5, c2, d14), (a45, b5, c2, d15), (a45, b
5, c2, d16), (a45, b5, c2, d17), (a45, b5, c2, d18), (a45, b5, c2, d19), (a45, b
5, c2, d20), (a45, b5, c2, d21), (a45, b5, c2, d22), (a45, b5, c3, d1), (a45, b5
, c3, d2), (a45, b5, c3, d3), (a45, b5, c3, d4), (a45, b5, c3, d5), (a45, b5, c3
, d6), (a45, b5, c3, d7), (a45, b5, c3, d8), (a45, b5, c3, d9), (a45, b5, c3, d
10), (a45, b5, c3, d11), (a45, b5, c3, d12), (a45, b5, c3, d13), (a45, b5, c3, d
14), (a45, b5, c3, d15), (a45, b5, c3, d16), (a45, b5, c3, d17), (a45, b5, c3, d
18), (a45, b5, c3, d19), (a45, b5, c3, d20), (a45, b5, c3, d21), (a45, b5, c3, d
22), (a45, b6, c1, d1), (a45, b6, c1, d2), (a45, b6, c1, d3), (a45, b6, c1, d4),
(a45, b6, c1, d5), (a45, b6, c1, d6), (a45, b6, c1, d7), (a45, b6, c1, d8), (a4
5, b6, c1, d9), (a45, b6, c1, d10), (a45, b6, c1, d11), (a45, b6, c1, d12), (a4
5, b6, c1, d13), (a45, b6, c1, d14), (a45, b6, c1, d15), (a45, b6, c1, d16), (a4
5, b6, c1, d17), (a45, b6, c1, d18), (a45, b6, c1, d19), (a45, b6, c1, d20), (a4
5, b6, c1, d21), (a45, b6, c1, d22), (a45, b6, c2, d1), (a 45, b6, c2, d2), (a45
, b6, c2, d3), (a45, b6, c2, d4), (a45, b6, c2, d5), (a45, b6, c2, d6), (a45, b6
, c2, d7), (a45, b6, c2, d8), (a45, b6, c2, d9), (a45, b6, c2, d10), (a45, b6, c
2, d11), (a45, b6, c2, d12), (a45, b6, c2, d13), (a45, b6, c2, d14), (a45, b6, c
2, d15), (a45, b6, c2, d16), (a45, b6, c2, d17), (a45, b6, c2, d18), (a45, b6, c
2, d19), (a45, b6, c2, d20), (a45, b6, c2, d21), (a45, b6, c2, d22), (a45, b6, c
3, d1), (a45, b6, c3, d2), (a45, b6, c3, d3), (a45, b6, c3, d4), (a45, b6, c3, d
5), (a45, b 6, c3, d6), (a45, b6, c3, d7), (a45, b6, c3, d8), (a45, b6, c3, d9),
(a45, b6, c3, d10), (a45, b6, c3, d11), (a45, b6, c3, d12), (a45, b6, c3, d13),
(a45, b6, c3, d14), (a45, b6, c3, d15), (a45, b6, c3, d16), (a45, b6, c3, d17),
(a45, b6, c3, d18), (a45, b 6, c3, d19), (a45, b6, c3, d20), (a45, b6, c3, d21)
, (a45, b6, c3, d22), (a46, b1, c1, d1), (a46, b1, c1, d2), (a46, b1, c1, d3), (
a46, b1, c1, d4), (a46, b1, c1, d5), (a46, b1, c1, d6), (a46, b1, c1, d7), (a46,
b1, c1, d8), (a46, b1, c1, d9), (a46, b1, c1 , d10), (a46, b1, c1, d11), (a46,
b1, c1, d12), (a46, b1, c1, d13), (a46, b1, c1, d14), (a46, b1, c1, d15), (a46,

b1, c1, d16), (a46, b1, c1, d17), (a46, b1, c1, d18), (a46, b1, c1, d19), (a46, b1, c1, d20), (a46, b1, c1, d21), (a46, b1, c1, d22), (a46, b1 , c2, d1), (a46, b1, c2, d2), (a46, b1, c2, d3), (a46, b1, c2, d4), (a46, b1, c2, d5), (a46, b1, c2, d6), (a46, b1, c2, d7), (a46, b1, c2, d8), (a46, b1, c2, d9), (a46, b1, c2, d10), (a46, b1, c2, d11), (a46, b1, c2, d12), (a46, b1, c2, d13), (a46, b1, c2, d14), (a46, b1, c2, d15), (a46, b1, c2, d16), (a46, b1, c2, d17), (a46, b1, c2, d18), (a46, b1, c2, d19), (a46, b1, c2, d20), (a46, b1, c2, d21), (a46, b1, c2, d22), (a46, b1, c3, d1), (a46, b1, c3, d2), (a46, b1, c3, d3), (a46, b1, c3, d4), (a46, b1, c3, d5), (a46, b1, c3, d6), (a46, b1, c3, d7), (a46, b1, c3, d8), (a46, b1, c3, d9), (a46, b1, c3, d10), (a46, b1, c3, d11), (a46, b1, c3, d12), (a46, b1, c3, d13), (a46, b1, c3, d14), (a46, b1, c3, d15), (a46, b1, c3, d16), (a46, b1, c3, d17), (a46, b1, c3, d18), (a46, b1, c3, d19), (a46, b1, c3, d20), (a46, b1, c3, d21), (a46, b1, c3, d22), (a46, b2, c1, d1), (a46, b2, c1, d2), (a46, b2, c1, d3), (a46, b2, c1, d4), (a46, b2, c1, d5), (a46, b2, c1, d6), (a46, b2, c1, d7), (a46, b2, c1, d8), (a46, b2, c1, d9), (a46, b2, c1, d10), (a46, b2, c1, d11), (a46, b2, c1, d12), (a46, b2, c1, d13), (a46, b2, c1, d14), (a46, b2,

c1, d15), (a46, b2, c1, d16), (a46, b2, c1, d17), (a46, b2, c1, d18), (a46, b2, c1, d19), (a46, b2, c1, d20), (a46, b2, c1, d21), (a46, b2, c1, d 22), (a46, b2, c2, d1), (a46, b2, c2, d2), (a46, b2, c2, d3), (a46, b2, c2, d4), (a46, b2, c2, d5), (a46, b2, c2, d6), (a46, b2, c2, d7), (a46, b2, c2, d8), (a46, b2, c2, d9), (a46, b2, c2, d10), (a46, b2, c2, d11), (a46, b2, c2, d12), (a46, b2, c2, d13), (a46, b2, c2, d14), (a46, b2, c2, d15), (a46, b2, c2, d16), (a46, b2, c2, d17), (a46, b2, c2, d18), (a46, b2, c2, d19), (a46, b2, c2, d20), (a46, b2, c2, d21), (a46, b2, c2, d22), (a46, b2, c3, d1), (a46, b2, c3, d2), (a46, b2, c3, d3), (a46, b2, c3, d4), (a46, b2, c3, d5), (a46, b2, c3, d6), (a46, b2, c3, d7), (a46, b2, c3, d8), (a46, b2, c3, d9), (a46, b2, c3, d10), (a46, b2, c3, d11), (a46, b2, c3, d12), (a46, b2, c3, d13), (a46, b2, c3, d14), (a46, b2, c3, d15), (a46, b2, c3, d16), (a46, b2, c3, d17), (a46, b2, c3, d18), (a46, b2, c3, d19), (a46, b2, c3, d20), (a46, b2, c3, d21), (a46, b2, c3, d22), (a46, b3, c1, d1), (a46, b3, c1, d2), (a46, b3, c1, d3), (a46, b3, c1, d4), (a46, b3, c1, d5), (a46, b3, c1, d6), (a46, b3, c1, d7), (a46, b3, c1, d8), (a46, b3, c1, d9), (a46, b3, c1, d10), (a46, b3, c1, d11), (a46, b3, c1, d12), (a46, b3, c1, d13), (a46, b3, c1, d14), (a46, b3, c1, d15), (a46, b3, c1, d16), (a46, b3, c1, d17), (a46, b3, c1, d18), (a46, b3, c1, d19), (a46, b3, c1, d20), (a46, b3, c1, d21), (a 46, b3, c1, d22), (a46, b3, c2, d1), (a46, b3, c2, d2), (a46, b3, c2, d3), (a46, b3, c2, d4), (a46, b3, c2, d5), (a46, b3, c2, d6), (a46, b3, c2, d7), (a46, b3, c2, d8), (a46, b3, c2, d9), (a46, b3, c2, d10), (a46, b3, c2, d11), (a46, b3, c2, d12), (a46, b 3, c2, d13), (a46, b3, c2, d14), (a46, b3, c2, d15), (a46, b3, c2, d16), (a46, b3, c2, d17), (a46, b3, c2, d18), (a46, b3, c2, d19), (a46, b3, c2, d20), (a46, b3, c2, d21), (a46, b3, c2, d22), (a46, b3, c3, d1), (a46, b3, c3, d2), (a46, b3, c3, d3), (a46, b3, c3, d4), (a46, b3, c3, d5), (a46, b3, c3, d6), (a46, b3, c3, d7), (a46, b3, c3, d8), (a46, b3, c3, d9), (a46, b3, c3, d10), (a46, b3, c3, d11), (a46, b3, c3, d12), (a46, b3, c3, d13), (a46, b3, c3, d14), (a46, b3, c3, d15), (a46, b3, c3, d16), (a46, b3 , c3, d17), (a46, b3, c3, d18), (a46, b3, c3, d19), (a46, b3, c3, d20), (a46, b3, c3, d21), (a46, b3, c3, d22), (a46, b4, c1, d1), (a46, b4, c1, d2), (a46, b4, c1, d3), (a46, b4, c1, d4), (a46, b4, c1, d5), (a46, b4, c1, d6), (a46, b4, c1, d7), (a46, b4, c 1, d8), (a46, b4, c1, d9), (a46, b4, c1, d10), (a46, b4, c1, d11), (a46, b4, c1, d12), (a46, b4, c1, d13), (a46, b4, c1, d14), (a46, b4, c1, d15), (a46, b4, c1, d16), (a46, b4, c1, d17

), (a46, b4, c1, d18), (a46, b4, c1, d19), (a46, b4, c1, d20), (a46, b4, c1, d2
1), (a46, b4, c1, d22), (a46, b4, c2, d1), (a46, b4, c2, d2), (a46, b4, c2, d3),
(a46, b4, c2, d4), (a46, b4, c2, d5), (a46, b4, c2, d6), (a46, b4, c2, d7), (a4
6, b4, c2, d8), (a46, b4, c2, d9), (a46, b4, c2, d10), (a46, b4, c2, d11), (a46,
b4, c2, d12), (a46, b4, c2, d13), (a46, b4, c2, d14), (a46, b4, c2, d15), (a46,
b4, c2, d16), (a46, b4, c2, d17), (a46, b4, c2, d18), (a46, b4, c2, d19), (a46,
b4, c2, d20), (a46, b4, c2, d21), (a46, b4, c2, d22), (a46, b4, c3, d1), (a46,
b4, c3, d2), (a46, b4, c3 , d3), (a46, b4, c3, d4), (a46, b4, c3, d5), (a46, b4,
c3, d6), (a46, b4, c3, d7), (a46, b4, c3, d8), (a46, b4, c3, d9), (a46, b4, c3,
d10), (a46, b4, c3, d11), (a46, b4, c3, d12), (a46, b4, c3, d13), (a46, b4, c3,
d14), (a46, b4, c3, d15), (a46, b4, c3, d 16), (a46, b4, c3, d17), (a46, b4, c3
, d18), (a46, b4, c3, d19), (a46, b4, c3, d20), (a46, b4, c3, d21), (a46, b4, c3
, d22), (a46, b5, c1, d1), (a46, b5, c1, d2), (a46, b5, c1, d3), (a46, b5, c1, d
4), (a46, b5, c1, d5), (a46, b5, c1, d6), (a46, b5, c1, d7) , (a46, b5, c1, d8),
(a46, b5, c1, d9), (a46, b5, c1, d10), (a46, b5, c1, d11), (a46, b5, c1, d12),
(a46, b5, c1, d13), (a46, b5, c1, d14), (a46, b5, c1, d15), (a46, b5, c1, d16),
(a46, b5, c1, d17), (a46, b5, c1, d18), (a46, b5, c1, d19), (a46, b5, c1, d2 0),
(a46, b5, c1, d21), (a46, b5, c1, d22), (a46, b5, c2, d1), (a46, b5, c2, d2), (
a46, b5, c2, d3), (a46, b5, c2, d4), (a46, b5, c2, d5), (a46, b5, c2, d6), (a46,
b5, c2, d7), (a46, b5, c2, d8), (a46, b5, c2, d9), (a46, b5, c2, d10), (a46, b5
, c2, d11), (a46, b5, c2, d12), (a46, b5, c2, d13), (a46, b5, c2, d14), (a46, b
5, c2, d15), (a46, b5, c2, d16), (a46, b5, c2, d17), (a46, b5, c2, d18), (a46, b
5, c2, d19), (a46, b5, c2, d20), (a46, b5, c2, d21), (a46, b5, c2, d22), (a46, b
5, c3, d1), (a46, b5, c3, d2), (a46, b5, c3, d3), (a46, b5, c3, d4), (a46, b5,
c3, d5), (a46, b5, c3, d6), (a46, b5, c3, d7), (a46, b5, c3, d8), (a46, b5, c3,
d9), (a46, b5, c3, d10), (a46, b5, c3, d11), (a46, b5, c3, d12), (a46, b5, c3, d
13), (a46, b5, c3, d14), (a46, b5, c3, d15), (a 46, b5, c3, d16), (a46, b5, c3,
d17), (a46, b5, c3, d18), (a46, b5, c3, d19), (a46, b5, c3, d20), (a46, b5, c3,
d21), (a46, b5, c3, d22), (a46, b6, c1, d1), (a46, b6, c1, d2), (a46, b6, c1, d3
), (a46, b6, c1, d4), (a46, b6, c1, d5), (a46, b6, c1, d6), (a46 , b6, c1, d7),
(a46, b6, c1, d8), (a46, b6, c1, d9), (a46, b6, c1, d10), (a46, b6, c1, d11), (a
46, b6, c1, d12), (a46, b6, c1, d13), (a46, b6, c1, d14), (a46, b6, c1, d15), (a
46, b6, c1, d16), (a46, b6, c1, d17), (a46, b6, c1, d18), (a46, b6, c1, d19), (a
4 6, b6, c1, d20), (a46, b6, c1, d21), (a46, b6, c1, d22), (a46, b6, c2, d1), (a
46, b6, c2, d2), (a46, b6, c2, d3), (a46, b6, c2, d4), (a46, b6, c2, d5), (a46,
b6, c2, d6), (a46, b6, c2, d7), (a46, b6, c2, d8), (a46, b6, c2, d9), (a46, b6,
c2, d10), (a46, b6 , c2, d11), (a46, b6, c2, d12), (a46, b6, c2, d13), (a46, b6,
c2, d14), (a46, b6, c2, d15), (a46, b6, c2, d16), (a46, b6, c2, d17), (a46, b6,
c2, d18), (a46, b6, c2, d19), (a46, b6, c2, d20), (a46, b6, c2, d21), (a46, b6,
c2, d22), (a46, b6, c3, d1), (a46, b6, c3, d2), (a46, b6, c3, d3), (a46, b6, c
3, d4), (a46, b6, c3, d5), (a46, b6, c3, d6), (a46, b6, c3, d7), (a46, b6, c3, d
8), (a46, b6, c3, d9), (a46, b6, c3, d10), (a46, b6, c3, d11), (a46, b6, c3, d12
), (a46, b6, c3, d13), (a46, b6, c3, d14), (a46, b6, c3, d15), (a46, b6, c3, d1
6), (a46, b6, c3, d17), (a46, b6, c3, d18), (a46, b6, c3, d19), (a46, b6, c3, d2
0), (a46, b6, c3, d21), (a46, b6, c3, d22), (a47, b1, c1, d1), (a47, b1, c1, d2)
, (a47, b1, c1, d3), (a47, b1, c1, d4), (a47, b1, c1, d5), (a47, b1, c1, d6), (a
47, b1, c1, d7), (a47, b1, c1, d8), (a47, b1, c1, d9), (a47, b1, c1, d10), (a47,
b1, c1, d11), (a47, b1, c1, d12), (a47, b1, c1, d13), (a47, b1, c1, d14), (a47,
b1, c1, d15), (a47, b1, c1, d16), (a47, b1, c1, d17), (a47, b1, c1, d18), (a47,
b1, c1, d19), (a47, b1, c1, d20), (a47, b1, c1, d21), (a47, b1, c1, d22), (a47,

b1, c2, d1), (a47, b1, c2, d2), (a47, b1, c2, d3), (a47, b1, c2, d4), (a47, b1, c2, d5), (a47, b1, c2, d6), (a47, b1, c2, d7), (a47, b1, c2, d8), (a47, b1, c2, d9), (a47, b1, c2, d 10), (a47, b1, c2, d11), (a47, b1, c2, d12), (a47, b1, c2, d13), (a47, b1, c2, d14), (a47, b1, c2, d15), (a47, b1, c2, d16), (a47, b1, c2, d17), (a47, b1, c2, d18), (a47, b1, c2, d19), (a47, b1, c2, d20), (a47, b1, c2, d21), (a47, b1, c2, d22), (a47, b1, c 3, d1), (a47, b1, c3, d2), (a47, b1, c3, d3), (a47, b1, c3, d4), (a47, b1, c3, d5), (a47, b1, c3, d6), (a47, b1, c3, d7), (a47, b1, c3, d8), (a47, b1, c3, d9), (a47, b1, c3, d10), (a47, b1, c3, d11), (a47, b1, c3, d12), (a47, b1, c3, d13), (a47, b1, c3, d1 4), (a47, b1, c3, d15), (a47, b1, c3, d16), (a47, b1, c3, d17), (a47, b1, c3, d18), (a47, b1, c3, d19), (a47, b1, c3, d20), (a47, b1, c3, d21), (a47, b1, c3, d22), (a47, b2, c1, d1), (a47, b2, c1, d2), (a47, b2, c1, d3), (a47, b2, c1, d4), (a47, b2, c1, d5), (a47, b2, c1, d6), (a47, b2, c1, d7), (a47, b2, c1, d8), (a47, b2, c1, d9), (a47, b2, c1, d10), (a47, b2, c1, d11), (a47, b2, c1, d12), (a47, b2, c1, d13), (a47, b2, c1, d14), (a47, b2, c1, d15), (a47, b2, c1, d16), (a47, b2, c1, d17), (a47, b2, c1, d18), (a47, b2, c1, d19), (a47, b2, c1, d20), (a47, b2, c1, d21), (a47, b2, c1, d22), (a47, b2, c2, d1), (a47, b2, c2, d2), (a47, b2, c2, d3), (a47, b2, c2, d4), (a47, b2, c2, d5), (a47, b2, c2, d6), (a47, b2, c2, d7), (a47, b2, c2, d8), (a47, b2, c2, d9), (a 47, b2, c2, d10), (a47, b2, c2, d11), (a47, b2, c2, d12), (a47, b2, c2, d13), (a47, b2, c2, d14), (a47, b2, c2, d15), (a47, b2, c2, d16), (a47, b2, c2, d17), (a47, b2, c2, d18), (a47, b2, c2, d19), (a47, b2, c2, d20), (a47, b2, c2, d21), (a47, b2, c2, d22) , (a47, b2, c3, d1), (a47, b2, c3, d2), (a47, b2, c3, d3), (a47, b2, c3, d4), (a47, b2, c3, d5), (a47, b2, c3, d6), (a47, b2, c3, d7), (a47, b2, c3, d8), (a47, b2, c3, d9), (a47, b2, c3, d10), (a47, b2, c3, d11), (a47, b2, c3, d12), (a47, b2, c3, d13), (a4 7, b2, c3, d14), (a47, b2, c3, d15), (a47, b2, c3, d16), (a47, b2, c3, d17), (a47, b2, c3, d18), (a47, b2, c3, d19), (a47, b2, c3, d20), (a47, b2, c3, d21), (a47, b2, c3, d22), (a47, b3, c1, d1), (a47, b3, c1, d2), (a47, b3, c1, d3), (a47, b3, c1, d4), (a4 7, b3, c1, d5), (a47, b3, c1, d6), (a47, b3, c1, d7), (a47, b3, c1, d8), (a47, b3, c1, d9), (a47, b3, c1, d10), (a47, b3, c1, d11), (a47, b3, c1, d12), (a47, b3, c1, d13), (a47, b3, c1, d14), (a47, b3, c1, d15), (a47, b3, c1, d16), (a47, b3, c1, d17), (a47 , b3, c1, d18), (a47, b3, c1, d19), (a47, b3, c1, d20), (a47, b3, c1, d21), (a47, b3, c1, d22), (a47, b3, c2, d1), (a47, b3, c2, d2), (a47, b3, c 2, d3), (a47, b3, c2, d4), (a47, b3, c2, d5), (a47, b3, c2, d6), (a47, b3, c2, d 7), (a47, b3, c2, d8), (a47, b3 , c2, d9), (a47, b3, c2, d10), (a47, b3, c2, d11), (a47, b3, c2, d12), (a47, b3, c2, d13), (a47, b3, c2, d14), (a47, b3, c2, d15), (a47, b3, c2, d16), (a47, b3, c2, d17), (a47, b3, c2, d18), (a47, b3, c2, d19), (a47, b3, c2, d20), (a47, b3, c2, d21), (a47, b3, c2, d22), (a47, b3, c3, d1), (a47, b3, c3, d2), (a47, b3, c3, d3), (a47, b3, c3, d4), (a47, b3, c3, d5), (a47, b3, c3, d6), (a47, b3, c3, d7), (a47, b3, c3, d8), (a47, b3, c3, d9), (a47, b3, c3, d10), (a47, b3, c3, d11), (a47, b3, c3, d12), (a47, b3, c3, d13), (a47, b3, c3, d14), (a47, b3, c3, d15), (a47, b3, c3, d16), (a47, b3, c3, d17), (a47, b3, c3, d18), (a47, b3, c3, d19), (a47, b3, c3, d20), (a47, b3, c3, d21), (a47, b3, c3, d22), (a47, b4, c1, d1), (a47, b4, c1, d2), (a47, b4, c1, d3), (a47, b4, c1, d4), (a47, b4, c1, d5), (a47, b4, c1, d6), (a47, b4, c1, d7), (a47, b4, c 1, d8), (a47, b4, c1, d9), (a47, b4, c1, d10), (a47, b4, c1, d11), (a47, b4, c1, d12), (a47, b4, c1, d13), (a47, b4, c1, d14), (a47, b4, c1, d15), (a47, b4, c1, d16), (a47, b4, c 1, d17), (a47, b4, c1, d18), (a47, b4, c1, d19), (a47, b4, c1, d20), (a47, b4, c1, d21), (a47, b4, c1, d22), (a47, b4, c2, d1), (a47, b4, c2,

d2), (a47, b4, c2, d3), (a47, b4, c2, d4), (a47, b4, c2, d5), (a47, b4, c2, d6), (a47, b4, c2, d7), (a47, b4, c2, d8), (a47, b4, c2, d9), (a47, b4, c2, d10), (a47, b4, c2, d11), (a47, b4, c2, d12), (a47, b4, c2, d13), (a47, b4, c2, d14), (a47, b4, c2, d15), (a47, b4, c2, d16), (a47, b4, c2, d17), (a47, b4, c2, d18), (a47, b4, c2, d19), (a47, b4, c2, d20), (a47, b4, c2 , d21), (a47, b4, c2, d22), (a47, b4, c3, d1), (a47, b4, c3, d2), (a47, b4, c3, d3), (a47, b4, c3, d4), (a47, b4, c3, d5), (a47, b4, c3, d6), (a47, b4, c3, d7), (a47, b4, c3, d8), (a47, b4, c3, d9), (a47, b4, c3, d10), (a47, b4, c3, d11), (a47, b4, c3, d12), (a47, b4, c3, d13), (a47, b4, c3, d14), (a47, b4, c3, d15), (a47, b4, c3, d16), (a47, b4, c3, d17), (a47, b4, c3, d18), (a47, b4, c3, d19), (a47, b4, c3, d20), (a47, b4, c3, d21), (a47, b4, c3, d22), (a47, b5, c1, d1), (a47, b5, c1, d2), (a47, b5, c1, d 3), (a47, b5, c1, d4), (a47, b5, c1, d5), (a47, b5, c1, d6), (a47, b5, c1, d7), (a47, b5, c1, d8), (a47, b5, c1, d9), (a47, b5, c1, d10), (a47, b5, c1, d11), (a47, b5, c1, d12), (a47, b5, c1, d13), (a47, b5, c1, d14), (a47, b5, c1, d15), (a47, b5, c1, d16) , (a47, b5, c1, d17), (a47, b5, c1, d18), (a47, b5, c1, d19), (a47, b5, c1, d20), (a47, b5, c1, d21), (a47, b5, c1, d22), (a47, b5, c2, d1), (a47, b5, c2, d2), (a47, b5, c2, d3), (a47, b5, c2, d4), (a47, b5, c2, d5), (a47, b5, c2, d6), (a47, b5, c2, d7), (a47, b5, c2, d8), (a47, b5, c2, d9), (a47, b5, c2, d10), (a47, b5, c2, d11), (a47, b5, c2, d12), (a47, b5, c2, d13), (a47, b5, c2, d14), (a47, b5, c2, d15), (a47, b5, c2, d16), (a47, b5, c2, d17), (a47, b5, c2, d18), (a47, b5, c2, d19), (a47, b5, c2, d20), (a47, b5, c2, d21), (a47, b5, c2, d22), (a47, b5, c3, d1), (a47, b5, c3, d2), (a47, b5, c3, d3), (a47, b5, c3, d4), (a47, b5, c3, d5), (a47, b5, c3, d6), (a47, b5, c3, d7), (a47, b5, c3, d8), (a47, b5, c3, d9), (a47, b5, c3, d10), (a47, b5, c3, d11), (a47 , b5, c3, d12), (a47, b5, c3, d13), (a47, b5, c3, d14), (a47, b5, c3, d15), (a47, b5, c3, d16), (a47, b5, c3, d17), (a47, b5, c3, d18), (a47, b5, c3, d19), (a47, b5, c3, d20), (a47, b5, c3, d21), (a47, b5, c3, d22), (a47, b6, c1, d1), (a47, b6, c1 , d2), (a 47, b6, c1, d3), (a47, b6, c1, d4), (a47, b6, c1, d5), (a47, b6, c1, d 6), (a47, b6, c1, d7), (a47, b6, c1, d8), (a47, b6, c1, d9), (a47, b6, c1, d10), (a47, b6, c1, d11), (a47, b6, c1, d12), (a47, b6, c1, d13), (a47, b6, c1, d14), (a47, b6, c1, d15), (a47, b6, c1, d16), (a47, b6, c1, d17), (a47, b6, c1, d18) , (a47, b6, c1, d19), (a47, b6, c1, d20), (a47, b6, c1, d21), (a47, b6, c1, d22) , (a47, b6, c2, d1), (a47, b6, c2, d2), (a47, b6, c2, d3), (a47, b6, c2, d4), (a 47, b6, c2, d5), (a47, b6, c2, d6), (a47, b 6, c2, d7), (a47, b6, c2, d8), (a47, b6, c2, d9), (a47, b6, c2, d10), (a47, b6, c2, d11), (a47, b6, c2, d12), (a47, b6, c2, d13), (a47, b6, c2, d14), (a47, b6, c2, d15), (a47, b6, c2, d16), (a47, b6, c2, d17), (a47, b6, c2, d18), (a47, b6, c2, d19), (a47, b6, c2, d20), (a47, b6, c2, d21), (a47, b6, c2, d22), (a47, b6, c3, d1), (a47, b6, c3, d2), (a47, b6 , c3, d3), (a47, b6, c3, d4), (a47, b6, c3, d5), (a47, b6, c3, d6), (a47, b6, c3 , d7), (a47, b6, c3, d8), (a47, b6, c3, d9), (a47, b6, c3, d10), (a47, b6, c 3, d11), (a47, b6, c3, d12), (a47, b6, c3, d13), (a47, b6, c3, d14), (a47, b6, c3, d15), (a47, b6, c3, d16), (a47, b6, c3, d17), (a47, b6, c3, d18), (a47, b6, c3, d19), (a47, b6, c3, d20), (a47, b6, c3, d21), (a47, b6, c3, d22), (a48, b1, c1, d1), (a48, b1 , c1, d2), (a48, b1, c1, d3), (a48, b1, c1, d4), (a48, b1, c1, d5) , (a48, b1, c1, d6), (a48, b1, c1, d7), (a48, b1, c1, d8), (a48, b1, c1, d9), (a 48, b1, c1, d10), (a48, b1, c1, d11), (a48, b1, c1, d12), (a48, b1, c1, d13), (a 48, b1, c1, d14), (a48, b1, c1 , d15), (a48, b1, c1, d16), (a48, b1, c1, d17), (a48, b1, c1, d18), (a48, b1, c1, d19), (a48, b1, c1, d20), (a48, b1, c1, d21), (a48, b1, c1, d22), (a48, b1, c2, d1), (a48, b1, c2, d2), (a48, b1, c2, d3), (a48 , b1, c2, d4), (a48, b1, c2, d5), (a48, b1, c2, d6), (a48, b1, c2, d7), (a48, b

10 20 30 40 50

1, c2, d8), (a48, b1, c2, d9), (a48, b1, c2, d10), (a48, b1, c2, d11), (a48, b1, c2, d12), (a48, b1, c2, d13), (a48, b1, c2, d14), (a48, b1, c2, d15), (a48, b1, c2, d16), (a48, b1, c2, d17), (a48, b1, c2, d18), (a48, b1, c2, d19), (a48, b1, c2, d20), (a48, b1, c2, d21), (a48, b1, c2, d22), (a48, b1, c3, d1), (a48, b1, c3, d2), (a48, b1, c3, d3), (a48, b1, c3, d4), (a48, b1, c3, d5), (a48, b1, c3, d6), (a48, b1, c3, d7), (a48, b1, c3, d8), (a48, b1, c3, d9), (a48, b1, c3, d10), (a48, b1, c3, d11), (a48, b1, c3, d12), (a48, b1, c3, d13), (a48, b1, c3, d14), (a48, b1, c3, d15), (a48, b1, c3, d16), (a48, b1, c3, d17), (a48, b1, c3, d18), (a48, b1, c3, d19), (a48, b1, c3, d20), (a48, b1, c3, d21), (a48, b1, c3, d22), (a48, b2, c1, d1), (a48, b2, c1, d2), (a48, b2, c1, d3), (a48, b2, c1, d4), (a48, b2, c1, d5), (a48, b2, c1, d6), (a48, b2, c1, d7), (a48, b2, c1, d8), (a48, b2, c1, d9), (a48, b2, c1, d10), (a48, b2, c1, d11), (a48, b2, c1, d12), (a48, b2, c1, d13), (a48, b2, c1, d14), (a48, b2, c1, d15), (a48, b2, c1, d16), (a48, b2, c1, d17), (a48, b2, c1, d18), (a48, b2, c1, d19), (a48, b2, c1, d20), (a48, b2, c1, d21), (a48, b2, c1, d22), (a48, b2, c2, d1), (a48, b2, c2, d2), (a48, b2, c2, d3), (a48, b2, c2, d4), (a48, b2, c2, d5), (a48, b2, c2, d6), (a48, b2, c2, d7), (a48, b2, c2, d8), (a48, b2, c2, d9), (a48, b2, c2, d10), (a48, b2, c2, d11), (a48, b2, c2, d12), (a48, b2, c2, d13), (a48, b2, c2, d14), (a48, b2, c2, d15), (a48, b2, c2, d16), (a48, b2, c2, d17), (a48, b2, c2, d18), (a48, b2, c2, d19), (a48, b2, c2, d20), (a48, b2, c2, d21), (a48, b2, c2, d22), (a48, b2, c3, d1), (a48, b2, c3, d2), (a48, b2, c3, d3), (a48, b2, c3, d4), (a48, b2, c3, d5), (a48, b2, c3, d6), (a48, b2, c3, d7), (a48, b2, c3, d8), (a48, b2, c3, d9), (a48, b2, c3, d10), (a48, b2, c3, d11), (a48, b2, c3, d12), (a48, b2, c3, d13), (a48, b2, c3, d14), (a48, b2, c3, d15), (a48, b2, c3, d16), (a48, b2, c3, d17), (a48, b2, c3, d18), (a48, b2, c3, d19), (a48, b2, c3, d20), (a48, b2, c3, d21), (a48, b2, c3, d22), (a48, b3, c1, d1), (a48, b3, c1, d2), (a48, b3, c1, d3), (a48, b3, c1, d4), (a48, b3, c1, d5), (a48, b3, c1, d6), (a48, b3, c1, d7), (a48, b3, c1, d8), (a48, b3, c1, d9), (a48, b3, c1, d10), (a48, b3, c1, d11), (a48, b3, c1, d12), (a48, b3, c1, d13), (a48, b3, c1, d14), (a48, b3, c1, d15), (a48, b3, c1, d16), (a48, b3, c1, d17), (a48, b3, c1, d18), (a48, b3, c1, d19), (a48, b3, c1, d20), (a48, b3, c1, d21), (a48, b3, c1, d22), (a48, b3, c2, d1), (a48, b3, c2, d2), (a48, b3, c2, d3), (a48, b3, c2, d4), (a48, b3, c2, d5), (a48, b3, c2, d6), (a48, b3, c2, d7), (a48, b3, c2, d8), (a48, b3, c2, d9), (a48, b3, c2, d10), (a48, b3, c2, d11), (a48, b3, c2, d12), (a48, b3, c2, d13), (a48, b3, c2, d14), (a48, b3, c2, d15), (a48, b3, c2, d16), (a48, b3, c2, d17), (a48, b 3, c2, d18), (a48, b3, c2, d19), (a48, b3, c2, d20), (a48, b3, c2, d21), (a48, b3, c2, d22), (a48, b3, c3, d1), (a48, b3, c3, d2), (a48, b3, c3, d3), (a48, b3, c3, d4), (a48, b3, c3, d5), (a48, b3, c3, d6), (a48, b3, c3, d7), (a48, b3, c3, d8), (a48, b3, c 3, d9), (a48, b3, c3, d10), (a48, b3, c3, d11), (a48, b3, c3, d12), (a48, b3, c3, d13), (a48, b3, c3, d14), (a48, b3, c3, d15), (a48, b3, c3, d16), (a48, b3, c3, d17), (a48, b3, c3, d18), (a48, b3, c3, d19), (a48, b3, c3, d20), (a48, b3, c3, d21), (a48, b3 , c3, d22), (a48, b4, c1, d1), (a48, b4, c1, d2), (a48, b4, c1, d3), (a48, b4, c1, d4), (a48, b4, c1, d5), (a48, b4, c1, d6), (a48, b4, c1, d7), (a48, b4, c1, d8), (a48, b4, c1, d9), (a48, b4, c1, d10), (a48, b4, c1, d11), (a48, b4, c1, d12), (a48, b4, c1, d13), (a48, b4, c1, d14), (a48, b4, c1, d15), (a48, b4, c1, d16), (a48, b4, c1, d17), (a48, b4, c1, d18), (a48, b4, c1, d19), (a48, b4, c1, d20), (a48, b4, c1, d21), (a48, b4, c1, d22), (a48, b4, c2, d1), (a48, b4, c2, d2), (a48, b4, c2, d3), (a48, b4, c2 , d4), (a48, b4, c2, d5), (a48, b4, c2, d6), (a48, b4, c2, d7), (a48, b4, c2, d8), (a48, b4, c2, d9), (a48, b4, c2, d10), (a48, b4, c2, d11), (a48, b4, c2, d12), (a48, b4, c2, d13),

(a48, b4, c2, d14), (a48, b4, c2, d15), (a48, b4, c2, d16), (a48, b4, c2, d17), (a48, b4, c2, d18), (a48, b4, c2, d19), (a48, b4, c2, d20), (a48, b4, c2, d21), (a48, b4, c2, d22), (a48, b4, c3, d1), (a48, b4, c3, d2), (a48, b4, c3, d3), (a48, b4, c3, d4), (a48, b4, c3, d5), (a48, b4, c3, d6), (a48, b4, c3, d7), (a48, b4, c3, d8) , (a48, b4, c3, d9), (a48, b4, c3, d10), (a48, b4, c3, d11), (a48, b4, c3, d12), (a48, b4, c3, d13), (a48, b4, c3, d14), (a48, b4, c3, d15), (a48, b4, c3, d16), (a48, b4, c3, d17), (a48, b4, c3, d18), (a48, b4, c3, d19), (a48, b4, c3, d20), (a48, b4, c3, d 21), (a48, b4, c3, d22), (a48, b5, c1, d1), (a48, b5, c1, d2), (a48, b5, c1, d3), (a48, b5, c1, d4), (a48, b5, c1, d5), (a48, b5, c1, d6), (a48, b5, c1, d7), (a48, b5, c1, d8), (a48, b5, c1, d9), (a48, b5, c1, d10), (a48, b5, c1, d11), (a48, b5, c1, d12), (a48, b5, c1, d13), (a48, b5, c1, d14), (a48, b5, c1, d15), (a48, b5, c1, d16), (a48, b5, c1, d17), (a48, b5, c1, d18), (a48, b5, c1, d19), (a48, b5, c1, d20), (a48, b5, c1, d21), (a48, b5, c1, d22), (a48, b5, c2, d1), (a48, b5, c2, d2), (a48, b5, c2, d3), (a48, b5, c2, d4), (a48, b5, c2, d5), (a48, b5, c2, d6), (a48, b5, c2, d7), (a48, b5, c2, d8), (a48, b5, c2, d9), (a48, b5, c2, d10), (a48, b5, c2, d11), (a48, b5, c2, d12), (a48, b5, c2, d13), (a48, b5, c2, d14), (a48, b5, c2, d15), (a48, b5, c2, d16), (a48, b5, c2, d17), (a48, b5, c2, d18), (a48, b5, c2, d19), (a48, b5, c2, d20), (a48, b5, c2, d21), (a48, b5, c2, d22), (a48, b5, c3, d1), (a48, b5, c3, d2), (a48, b5, c3, d3), (a48, b5, c3, d4), (a48, b5, c3, d5), (a48, b5, c3, d6), (a48, b5, c3, d7), (a48 , b5, c3, d8), (a48, b5, c3, d9), (a48, b5, c3, d10), (a48, b5, c3, d11), (a48, b5, c3, d12), (a48, b5, c3, d13), (a48, b5, c3, d14), (a48, b5, c3, d15), (a48, b5, c3, d16), (a48, b5, c3, d17), (a48, b5, c3, d18), (a48, b5, c3, d19), (a48, b5, c3, d20), (a 48, b5, c3, d21), (a48, b5, c3, d22), (a48, b6, c
1, d1), (a48, b6, c1, d2), (a48, b6, c1, d3), (a48, b6, c1, d4), (a48, b6, c1, d5), (a48, b6, c1, d6), (a48, b6, c1, d7), (a48, b6, c1, d8), (a48, b6, c1, d9), (a48, b6, c1, d10), (a48, b6, c1, d11), (a48, b 6, c1, d12), (a48, b6, c1, d13), (a48, b6, c1, d14), (a48, b6, c1, d15), (a48, b6, c1, d16), (a48, b6, c1, d17), (a48, b6, c1, d18), (a48, b6, c1, d19), (a48, b6, c1, d20), (a48, b6, c1, d21), (a48, b6, c1, d22), (a48, b6, c2, d1), (a48, b6, c2, d2), (a48, b6, c2, d3), (a48, b6, c2, d4), (a48, b6, c2, d5), (a48, b6, c2, d6), (a48, b6, c2, d7), (a48, b6, c2, d8), (a48, b6, c2, d9), (a48, b6, c2, d10), (a48, b6, c2, d11), (a48, b6, c2, d12), (a48, b6, c2, d13), (a48, b6, c2, d14), (a48, b6, c2, d15), (a48, b6 , c2, d16), (a48, b6, c2, d17), (a48, b6, c2, d18), (a48, b6, c2, d19), (a48, b6, c2, d20), (a48, b6, c2, d21), (a48, b6, c2, d22), (a48, b6, c3, d1), (a48, b6, c3, d2), (a48, b6, c3, d3), (a48, b6, c3, d4), (a48, b6, c3, d5), (a48, b6, c3, d6), (a48, b6, c3, d7), (a48, b6, c3, d8), (a48, b6, c3, d9), (a48, b6, c3, d10), (a48, b6, c3, d11), (a48, b6, c3, d12), (a48, b6, c3, d13), (a48, b6, c3, d14), (a48, b6, c3, d15), (a48, b6, c3, d16), (a48, b6, c3, d17), (a48, b6, c3, d18), (a48, b6, c3, d19), (a48, b6, c3, d20), (a48, b6, c3, d21), (a48, b6, c3, d22), (a49, b1, c1, d1), (a49, b1, c1, d2), (a49, b1, c1, d3), (a49, b1, c1, d4) , (a49, b1, c1, d5), (a49, b1, c1, d6), (a49, b1, c1, d7), (a49, b1, c1, d8), (a 49, b1, c1, d9), (a49, b1, c1, d10), (a49, b1, c1, d11), (a49, b1, c1, d12), (a4 9, b1, c1, d13), (a49, b1, c1, d14), (a49, b1, c1, d15), (a49, b1, c1, d16), (a4 9, b1, c1, d17), (a49, b1, c1, d18), (a49, b1, c1, d19), (a49, b1, c1, d20), (a4 9, b1, c1, d21), (a49, b1, c1, d22), (a49, b1, c2, d1), (a49, b1, c 2, d2), (a49 , b1, c2, d3), (a49, b1, c2, d4), (a49, b1, c2, d5), (a49, b1, c2, d6), (a49, b1 , c2, d7), (a49, b1, c2, d8), (a49, b1, c2, d9), (a49, b1, c2, d10), (a49, b1, c 2, d11), (a49, b1, c2, d12), (a49, b1, c2, d13), (a49, b1, c2, d14), (a49, b1, c

2, d 15), (a49, b1, c2, d16), (a49, b1, c2, d17), (a49, b1, c2, d18), (a49, b1, c2, d19), (a49, b1, c2, d20), (a49, b1, c2, d21), (a49, b1, c2, d22), (a49, b1, c3, d1), (a49, b1, c3, d2), (a49, b1, c3, d3), (a49, b1, c3, d4), (a49, b1, c3, d5), (a49, b1, c3, d6), (a49, b1, c3, d7), (a49, b1, c3, d8), (a49, b1, c3, d9), (a49, b1, c3, d10), (a49, b1, c3, d11), (a49, b1, c3, d12), (a49, b1, c3, d13), (a49, b1, c3, d14), (a49, b1, c3, d15), (a49, b1, c3, d16), (a49, b1, c3, d17), (a49, b1, c3, d18), (a49, b1, c3, d1 9), (a49, b1, c3, d20), (a49, b1, c3, d21), (a49, b1, c3, d22), (a49, b2, c1, d1), (a49, b2, c1, d2), (a49, b2, c1, d3), (a49, b2, c1, d4), (a49, b2, c1, d5), (a49, b2, c1, d6), (a49, b2, c1, d7), (a49, b2, c1, d8), (a49, b2, c1, d9), (a49, b2, c1, d10), (a49, b2, c1, d11), (a49, b2, c1, d12), (a49, b2, c1, d13), (a49, b2, c1, d14), (a49, b2, c1, d15), (a49, b2, c1, d16), (a49, b2, c1, d17), (a49, b2, c1, d18), (a49, b2, c1, d19), (a49, b2, c1, d20), (a49, b2, c1, d21), (a49, b2, c1, d22), (a49, b2, c2, d1) , (a49, b2, c2, d2), (a49, b2, c2, d3), (a49, b2, c2, d4), (a49, b2, c2, d5), (a49, b2, c2, d6), (a49, b2, c2, d7), (a49, b2, c2, d8), (a49, b2, c2, d9), (a49, b2, c2, d10), (a49, b2, c2, d11), (a49, b2, c2, d12), (a49, b2, c2, d13), (a49, b2, c2, d14), (a 49, b2, c2, d15), (a49, b2, c2, d16), (a49, b2, c2, d17), (a49, b2, c2, d18), (a49, b2, c2, d19), (a49, b2, c2, d20), (a49, b2, c2, d21), (a49, b2, c2, d22), (a49, b2, c3, d1), (a49, b2, c3, d2), (a49, b2, c3, d3), (a49, b2, c3, d4), (a49, b2, c3, d5), (a4 9, b2, c3, d6), (a49, b2, c3, d7), (a49, b2, c3, d8), (a49, b2, c3, d9), (a49, b2, c3, d10), (a49, b2, c3, d11), (a49, b2, c3, d12), (a49, b2, c3, d13), (a49, b2, c3, d14), (a49, b2, c3, d15), (a49, b2, c3, d16), (a49, b2, c3, d17), (a49, b2, c3, d18), (a4 9, b2, c3, d19), (a49, b2, c3, d20), (a49, b2, c3, d21), (a49, b2, c3, d22), (a49, b3, c1, d1), (a49, b3, c1, d2), (a49, b3, c1, d3), (a49, b3, c1, d4), (a49, b3, c1, d5), (a49, b3, c1, d6), (a49, b3, c1, d7), (a49, b3, c1, d8), (a49, b3, c1, d9), (a49, b3 , c1, d10), (a49, b3, c1, d11), (a49, b3, c1, d12), (a49, b3, c1, d13), (a49, b3, c1, d14), (a49, b3, c1, d15), (a49, b3, c1, d16), (a49, b3, c1, d17), (a49, b3, c1, d18), (a49, b3, c1, d19), (a49, b3, c1, d20), (a49, b3, c1, d21), (a49, b3, c1, d22), (a49 , b3, c2, d1), (a49, b3, c2, d2), (a49, b3, c2, d3), (a49, b3, c2, d4), (a49, b3, c2, d5), (a49, b3, c2, d6), (a49, b3, c2, d7), (a49, b3, c2, d8), (a49, b3, c2, d9), (a49, b3, c2, d10), (a49, b3, c2, d11), (a49, b3, c2, d12), (a49, b3, c2, d13), (a49, b3, c2, d14), (a49, b3, c2, d15), (a49, b3, c2, d16), (a49, b3, c2, d17), (a49, b3, c2, d18), (a49, b3, c2, d19), (a49, b3, c2, d20), (a49, b3, c2, d21), (a49, b3, c2, d22), (a49, b3, c3, d1), (a49, b3, c3, d2), (a49, b3, c3, d3), (a49, b3, c3, d4), (a49, b3, c3, d5), (a49, b3, c3, d6), (a49, b3, c3, d7), (a49, b3, c3, d8), (a49, b3, c3, d9), (a49, b3, c3, d10), (a49, b3, c3, d11), (a49, b3, c3, d12), (a49, b3, c3, d13), (a49, b3, c3, d14), (a49, b3, c3, d15), (a49, b3, c3, d16), (a49, b3, c3, d17), (a49, b3, c3, d18), (a49, b3, c3, d19), (a49, b3, c3, d20), (a49, b3, c3, d21), (a49, b3, c3, d22), (a49, b4, c1, d1), (a49, b4, c1, d2), (a49, b4, c1, d3), (a49, b4, c1, d4), (a49, b4, c1, d5), (a49, b4, c1, d6), (a49, b4, c1, d7), (a49, b4, c1, d8), (a49, b4, c1, d9), (a49, b4, c1, d10), (a49, b4, c1, d11), (a49, b4, c1, d12), (a49, b4, c1, d13), (a49, b4, c1, d14), (a49, b4, c1, d15), (a49, b4, c1, d16), (a49, b4, c1, d17), (a49, b4, c1, d18), (a49, b4, c1, d19), (a49, b4, c1, d20), (a49, b4, c1, d21), (a49, b4, c1, d22), (a49, b4, c2, d1), (a49, b4, c2, d2), (a49, b4, c2, d3), (a49, b4, c2, d4), (a49, b4, c2, d5), (a49, b4, c2, d6), (a49, b4, c2, d7), (a49, b4, c2, d8), (a49, b4, c2, d9), (a49, b4, c2, d10), (a49, b4, c2, d11), (a49, b4, c2, d12), (a49, b4, c2, d1 3), (a49, b4, c2, d14), (a49, b4, c2, d15), (a49, b4, c2, d16), (a49, b4, c2, d17), (a49, b4, c2, d18), (a49, b4, c2, d19), (a49, b4, c2, d20)

, (a49, b4, c2, d21), (a49, b4, c2, d22), (a49, b4, c3, d1), (a49, b4, c3, d2), (a49, b4, c3, d3), (a49, b4, c3, d 4), (a49, b4, c3, d5), (a49, b4, c3, d6), (a49, b4, c3, d7), (a49, b4, c3, d8), (a49, b4, c3, d9), (a49, b4, c3, d10), (a49, b4, c3, d11), (a49, b4, c3, d12), (a49, b4, c3, d13), (a49, b4, c3, d14), (a49, b4, c3, d15), (a49, b4, c3, d16), (a49, b4, c3, d17), (a49, b4, c3, d18), (a49, b4, c3, d19), (a49, b4, c3, d20), (a49, b4, c3, d21), (a49, b4, c3, d22), (a49, b5, c1, d1), (a49, b5, c1, d2), (a49, b5, c1, d3), (a49, b5, c1, d4), (a49, b5, c1, d5), (a49, b5, c1, d6), (a49, b5, c1, d7), (a49, b5, c1, d8), (a49, b5, c1, d9), (a49, b5, c1, d10), (a49, b5, c1, d11), (a49, b5, c1, d12), (a49, b5, c1, d13), (a49, b5, c1, d14), (a49, b5, c1, d15), (a49, b5, c1, d16), (a49, b5, c1, d17), (a49, b5, c1, d18), (a49, b5, c1, d19), (a49, b5, c1, d20), (a49, b5, c1, d21) , (a49, b5, c1, d22), (a49, b5, c2, d1), (a49, b5, c2, d2), (a49, b5, c2, d3), (a49, b5, c2, d4), (a49, b5, c2, d5), (a49, b5, c2, d6), (a49, b5, c2, d7), (a49, b5, c2, d8), (a49, b5, c2, d9), (a49, b5, c2, d10), (a49, b5, c2, d11), (a49, b5, c2, d12), (a4 9, b5, c2, d13), (a49, b5, c2, d14), (a49, b5, c2, d15), (a49, b5, c2, d16), (a49, b5, c2, d17), (a49, b5, c2, d18), (a49, b5, c2, d19), (a49, b5, c2, d20), (a49, b5, c2, d21), (a49, b5, c2, d22), (a49, b5, c3, d1), (a49, b5, c3, d2), (a49, b5, c3, d3), (a 49, b5, c3, d4), (a49, b5, c3, d5), (a49 , b5, c3, d6), (a49, b5, c3, d7), (a49, b5, c3, d8), (a49, b5, c3, d9), (a49, b5 , c3, d10), (a49, b5, c3, d11), (a49, b5, c3, d12), (a49, b5, c3, d13), (a49, b5 , c3, d14), (a49, b5, c3, d15), (a49, b5, c3, d16), (a49 , b5, c3, d17), (a49, b 5, c3, d18), (a49, b5, c3, d19), (a49, b5, c3, d20), (a49, b5, c3, d21), (a49, b 5, c3, d22), (a49, b6, c1, d1), (a49, b6, c1, d2), (a49, b6, c1, d3), (a49, b6, c1, d4), (a49, b6, c1, d5), (a49, b6, c1, d6), (a49, b6, c1, d7), (a49, b 6, c1, d8), (a49, b6, c1, d9), (a49, b6, c1, d10), (a49, b6, c1, d11), (a49, b6, c1, d 12), (a49, b6, c1, d13), (a49, b6, c1, d14), (a49, b6, c1, d15), (a49, b6, c1, d 16), (a49, b6, c1, d17), (a49, b6, c1, d18), (a49, b6, c1, d19), (a49, b6, c1, d 20), (a49, b6, c1, d21), (a49, b6, c1, d22), (a49, b6, c2, d1), (a49, b6, c2, d 2), (a49, b6, c2, d3), (a49, b6, c2, d4), (a49, b6, c2, d5), (a49, b6, c2, d6), (a49, b6, c2, d7), (a49, b6, c2, d8), (a49, b6, c2, d9), (a49, b6, c2, d10), (a4 9, b6, c2, d11), (a49, b6, c2, d12), (a49, b6, c2, d13), (a49, b6, c2, d14), (a4 9, b6, c2, d15), (a49, b6, c2, d16), (a49, b6, c2, d17), (a49, b6, c2, d18), (a4 9, b6, c2, d19), (a49, b6, c2, d20), (a49, b6, c2, d21), (a49, b6, c2, d22), (a4 9, b6, c3, d1), (a49, b6, c3, d2), (a49, b6 , c3, d3), (a49, b6, c3, d4), (a49, b6, c3, d5), (a49, b6, c3, d6), (a49, b6, c3, d7), (a49, b6, c3, d8), (a49, b6, c3, d9), (a49, b6, c3, d10), (a49, b6, c 3, d11), (a49, b6, c3, d12), (a49, b6, c 3, d13), (a49, b6, c3, d14), (a49, b6, c3, d15), (a49, b6, c 3, d16), (a49, b6, c3, d17), (a49, b6, c3, d18), (a49, b6, c3, d19), (a49, b6, c3, d20), (a49, b6, c3, d21), (a49, b6, c3, d22), (a50, b1, c1, d1), (a50, b1, c1, d2), (a50, b1, c1 , d3), (a50, b1, c1, d4), (a50, b1, c1, d5), (a50, b1, c1, d6), (a50, b1, c1, d 7), (a50, b1, c1, d8), (a50, b1, c1, d9), (a50, b1, c1, d10), (a50, b1, c1, d11) , (a50, b1, c1, d12), (a50, b1, c1, d13), (a50, b1, c1, d14), (a50, b1, c1, d15) , (a50, b1, c1, d16), (a50, b1, c1, d17), (a50, b1, c1, d18), (a50, b1, c1, d19) , (a50, b1, c1 , d20), (a50, b1, c1, d21), (a50, b1, c1, d22), (a50, b1, c2, d1) , (a50, b1, c2, d2), (a50, b1, c2, d3), (a50, b1, c2, d4), (a50, b1, c2, d5), (a 50, b1, c2, d6), (a50, b1, c2, d7), (a50, b1, c2, d8), (a50, b1, c2, d9), (a50, b1, c2, d10), (a50, b1, c2, d11), (a50, b1, c2, d12), (a50, b1, c2, d13), (a50, b1, c2, d14), (a50, b1, c2, d15), (a50, b1, c2, d16), (a50, b1, c2, d17), (a50, b1, c2, d18), (a50, b1, c2, d19), (a50, b1, c2, d20), (a50, b1, c2, d21), (a50, b1, c2, d22), (a50, b1, c3, d1), (a50, b1, c3, d2), (a50, b1, c3, d3), (a50, b1

10 20 30 40 50

, c3, d4), (a50, b1, c3, d5), (a50, b1, c3, d6), (a50, b1, c3, d7), (a50, b1, c3
, d8), (a50, b1, c3, d9), (a50, b1, c3, d10), (a50, b1, c3, d11), (a50, b1, c3,
d12), (a50, b1, c3, d13), (a50, b1, c3, d14), (a50, b1, c3, d15) , (a50, b1, c3,

d16), (a50, b1, c3, d17), (a50, b1, c3, d18), (a50, b1, c3, d19), (a50, b1, c3,
d20), (a50, b1, c3, d21), (a50, b1, c3, d22), (a50, b2, c1, d1), (a50, b2, c1, d
2), (a50, b2, c1, d3), (a50, b2, c1, d4), (a50, b2, c1, d5), (a50, b2, c1, d6),
(a50, b2, c1, d7), (a50, b2, c1, d8), (a50, b2, c1, d9), (a50, b2, c1, d10), (a5
0, b2, c1, d11), (a50, b2, c1, d12), (a50, b2, c1, d13), (a50, b2, c1, d14), (a5
0, b2, c1, d15), (a50, b2, c1, d16), (a50, b2, c1, d17), (a50, b2, c1, d18), (a5
0, b2, c1, d19), (a50, b2, c1, d20), (a50, b2, c1, d21), (a50, b2, c1, d22), (a
50, b2, c2, d1), (a50, b2, c2, d2), (a50, b2, c2, d3), (a50, b2, c2, d4), (a50,
b2, c2, d5), (a50, b2, c2, d6), (a50, b2, c2, d7), (a50, b2, c2, d8), (a50, b2,
c2, d9), (a50, b2, c2, d10), (a50 , b2, c2, d11), (a50, b2, c2, d12), (a50, b2,
c2, d13), (a50, b2, c2, d14), (a50, b2, c2, d15), (a50, b2, c2, d16), (a50, b2,
c2, d17), (a50, b2, c2, d18), (a50, b2, c2, d19), (a50, b2, c2, d20), (a50, b2,
c2, d21), (a50, b2, c2, d22), (a50, b2, c3, d1), (a50, b2, c3, d2), (a50, b2, c
3, d3), (a50, b2, c3, d4), (a50, b2, c3, d5), (a50, b2, c3, d6), (a50, b2, c3, d
7), (a50, b2, c3, d8), (a50, b2, c3, d9), (a50, b2, c3, d10), (a50, b2, c3, d11)
, (a50, b2, c3, d12), (a50, b2, c3, d13), (a50, b2, c3, d14), (a50, b2, c3, d15
), (a50, b2, c3, d16), (a50, b2, c3, d17), (a50, b2, c3, d18), (a50, b2, c3, d19
), (a50, b2, c3, d20), (a50, b2, c3, d21), (a50, b2, c3, d22), (a50, b3, c1, d1)
, (a50, b3, c1, d2), (a50, b3, c1, d3), (a50, b3, c1, d4), (a50, b3, c1, d5), (a
50, b3, c1, d6), (a50, b3, c1, d7), (a50, b3, c1, d8), (a50, b3, c1, d9), (a50,
b3, c1, d10), (a50, b3, c1, d11), (a50, b3, c1, d12), (a50, b3, c1, d13), (a50,
b3, c1, d14), (a50, b3, c1, d15), (a50, b3, c1, d16), (a50, b3, c1, d17), (a50,
b3, c1, d18), (a50, b3, c1, d19), (a50, b3, c1, d20), (a50, b3, c1, d21), (a50,
b3, c1, d22), (a50, b3, c2, d1), (a50, b3, c2, d2), (a50, b3, c2, d3), (a50, b3,
c2, d4), (a50, b3, c2, d5), (a50, b3, c2, d6), (a50, b3, c2, d7), (a50, b3, c2,
d8), (a50, b3, c2, d9), (a50, b3, c 2, d10), (a50, b3, c2, d11), (a50, b3, c2,
d12), (a50, b3, c2, d13), (a50, b3, c2, d14), (a50, b3, c2, d15), (a50, b3, c2,
d16), (a50, b3, c2, d17), (a50, b3, c2, d18), (a50, b3, c2, d19), (a50, b3, c2,
d20), (a50, b3, c2, d21), (a50, b3, c2, d22), (a50, b 3, c3, d1), (a50, b3, c3,
d2), (a50, b3, c3, d3), (a50, b3, c3, d4), (a50, b3, c3, d5), (a50, b3, c3, d6),
(a50, b3, c3, d7), (a50, b3, c3, d8), (a50, b3, c3, d9), (a50, b3, c3, d10), (a
50, b3, c3, d11), (a50, b3, c3, d12), (a50, b3, c3, d13), (a50, b3, c3 , d14), (
a50, b3, c3, d15), (a50, b3, c3, d16), (a50, b3, c3, d17), (a50, b3, c3, d18), (
a50, b3, c3, d19), (a50, b3, c3, d20), (a50, b3, c3, d21), (a50, b3, c3, d22), (
a50, b4, c1, d1), (a50, b4, c1, d2), (a50, b4, c1, d3), (a50, b4, c1, d4), (a50,
b4, c1 , d5), (a50, b4, c1, d6), (a50, b4, c1, d7), (a50, b4, c1, d8), (a50, b4
, c1, d9), (a50, b4, c1, d10), (a50, b4, c1, d11), (a50, b4, c1, d12), (a50, b4,
c1, d13), (a50, b4, c1, d14), (a50, b4, c1, d15), (a50, b4, c1, d16), (a50, b4,
c1, d17), (a50, b4, c1, d18), (a50, b4, c1, d19), (a50, b4, c1, d20), (a50, b4
, c1, d21), (a50, b4, c1, d22), (a50, b4, c2, d1), (a50, b4, c2, d2), (a50, b4,
c2, d3), (a50, b4, c2, d4), (a50, b4, c2, d5), (a50, b4, c2, d6), (a50, b4, c2,
d7), (a50, b4, c2, d8), (a50, b4, c2, d9) , (a50, b4, c2, d10), (a50, b4, c2, d1
1), (a50, b4, c2, d12), (a50, b4, c2, d13), (a50, b4, c2, d14), (a50, b4, c2, d1
5), (a50, b4, c2, d16), (a50, b4, c2, d17), (a50, b4, c2, d18), (a50, b4, c2, d1
9), (a50, b4, c2, d20), (a50, b4, c2, d21), (a50, b4, c2, d22), (a50, b4, c3, d1
), (a50, b4, c3, d2), (a50, b4, c3, d3), (a50, b4, c3, d4), (a50, b4, c3, d5), (

a50, b4, c3, d6), (a50, b4, c3, d7), (a50, b4, c3, d8), (a50, b4, c3, d9), (a50, b4, c3, d10), (a50, b4, c3, d11), (a50, b4, c3, d12), (a50, b4, c3, d13), (a50, b4, c3, d14), (a50, b4, c3, d15), (a50, b4, c3, d16), (a50, b4, c3, d17), (a50, b4, c3, d18), (a50, b4, c3, d19), (a50, b4, c3, d20), (a50, b4, c3, d21), (a50, b4, c3, d22), (a50, b5, c1, d1), (a50, b5, c1, d2), (a50, b5, c1, d3), (a50, b5, c1, d4), (a50, b5, c1, d5), (a50, b5, c1, d6), (a50, b5, c1, d7), (a50, b5, c1, d8), (a50, b5, c1, d9), (a50, b5, c1, d10), (a50, b5, c1, d11), (a50, b5, c1, d12), (a50, b5, c1, d13), (a50, b5, c1, d14), (a50, b5, c1, d15), (a50, b5, c1, d16), (a50, b5, c1, d17), (a50, b5, c1, d18), (a50, b5, c1, d19), (a50, b5, c1, d20), (a50, b5, c1, d21), (a50, b5, c1, d22), (a50, b5, c2, d1), (a50, b5, c2, d2), (a50, b5, c2, d3), (a50, b5, c2, d4), (a50, b5, c2, d5), (a50, b5, c2, d6), (a50, b5, c2, d7), (a50, b5, c2, d8), (a50 , b5, c2, d9), (a50, b5, c2, d10), (a50, b5, c2, d11), (a50, b5, c2, d12), (a50, b5, c2, d13), (a50, b5, c2, d14), (a50, b5, c2, d15), (a50, b5, c2, d16), (a50, b5, c2, d17), (a50, b5, c2, d18), (a50, b5, c2, d19), (a50, b5, c2, d20), (a50, b5, c2, d21), (a50, b5, c2, d22), (a50, b5, c3, d1), (a50, b5, c3, d2), (a50, b5, c3, d3), (a50, b5, c3, d4), (a50, b5, c3, d5), (a50, b5, c3, d6), (a50, b5, c3, d7), (a50, b5, c3, d8), (a50, b5, c3, d9), (a50, b5, c3, d10), (a50, b5, c3, d11), (a50, b5, c3, d12), (a50, b5, c3, d13), (a50, b5, c3, d14), (a50, b5, c3, d15), (a50, b5, c3, d16), (a50, b5, c3, d17), (a50, b5, c3, d18), (a50, b5, c3, d19), (a50, b5, c3, d20), (a50, b5, c3, d21), (a50, b5, c3, d22), (a50, b6, c1, d1), (a50, b6, c1, d2), (a50, b6, c1, d3), (a50, b6, c1, d4), (a50, b6, c1, d5), (a50, b6, c1, d6), (a50, b6, c1, d7), (a50, b6, c1, d8), (a50, b6, c1, d9), (a50, b6, c1, d10), (a50, b6, c1, d11), (a50, b6, c1, d12), (a50, b6, c1, d13), (a50, b6, c1, d14), (a50, b6, c1, d15), (a50, b6, c1, d16), (a50, b 6, c1, d17), (a50, b6, c1, d18), (a50, b6, c1, d19), (a50, b6, c1, d20), (a50, b6, c1, d21), (a50, b6, c1, d22), (a50, b6, c2, d1), (a50, b6, c2, d2), (a50, b6, c2, d3), (a50, b6, c2, d4), (a50, b6, c2, d5), (a50, b6, c2, d6), (a50, b6, c2, d7), (a50, b6, c2, d8), (a50, b6, c2, d9), (a50, b6, c2, d10), (a50, b6, c2, d11), (a50, b6, c2, d12), (a50, b6, c2, d13), (a50, b6, c2, d14), (a50, b6, c2, d15), (a50, b6, c2, d16), (a50, b6, c2, d17), (a50, b6, c2, d18), (a50, b6, c2, d19), (a50, b6, c2, d20), (a50, b6 , c2, d21), (a50, b6, c2, d22), (a50, b6, c3, d1), (a50, b6, c3, d2), (a50, b6, c3, d3), (a50, b6, c3, d4), (a50, b6, c3, d5), (a50, b6, c3, d6), (a50, b6, c3, d7), (a50, b6, c3, d8), (a50, b6, c3, d9), (a50, b6, c3, d10), (a50, b6, c3, d11), (a50, b6, c3, d12), (a50, b6, c3, d13), (a50, b6, c3, d14), (a50, b6, c3, d15), (a50, b6, c3, d16), (a50, b6, c3, d17), (a50, b6, c3, d18), (a50, b6, c3, d19), (a50, b6, c3, d20), (a50, b6, c3, d21), (a50, b6, c3, d22), (a51, b1, c1, d1), (a51, b1, c1, d2), (a51, b1, c 1, d3), (a51, b1, c1, d4), (a51, b1, c1, d5), (a51, b1, c1, d6), (a51, b1, c1, d7), (a51, b1, c1, d8), (a51, b1, c1, d9), (a51, b1, c1, d10), (a51, b1, c1, d11), (a51, b1, c1, d12), (a51, b1, c1, d13), (a51, b1, c1, d14), (a51, b1, c1, d15), (a51, b1, c1, d16), (a51, b1, c1, d17), (a51, b1, c1, d18), (a51, b1, c1, d19), (a51, b1, c1, d20), (a51, b1, c1, d21), (a51, b1, c1, d22), (a51, b1, c2, d1), (a51, b1, c2, d2), (a51, b1, c2, d3), (a51, b1, c2, d4), (a51, b1, c2, d5), (a51, b1, c2, d6), (a51, b1, c2, d7), (a51, b1, c2, d8), (a51, b1, c2, d9), (a51, b1, c2, d10), (a51, b1, c2, d11), (a51, b1, c2, d12), (a51, b1, c2, d13), (a51, b1, c2, d14), (a51, b1, c2, d15), (a51, b1, c2, d16), (a51, b1, c2, d17), (a51, b1, c2, d18), (a51, b1, c2, d19), (a51, b1, c2, d 20), (a51, b1, c2, d21), (a51, b1, c2, d22), (a51, b1, c3, d1), (a51, b1, c3, d2), (a51, b1, c3, d3), (a51, b1, c3, d4), (a51, b1, c3, d5), (a51, b1, c3, d6), (a51, b1, c3, d7), (a51, b1, c3, d8), (a51, b1, c3, d9), (a51, b1, c3, d10), (a51, b1, c3, d

11), (a51, b1, c3, d12), (a51, b1, c3, d13), (a51, b1, c3, d14), (a51, b1, c3, d
15), (a51, b1, c3, d16), (a51, b1, c3, d17), (a51, b1, c3, d18), (a51, b1, c3, d
19), (a51, b1, c3, d20), (a51, b1, c3, d21), (a51, b1, c3, d22), (a51, b2, c1, d
1), (a51, b2, c1, d2) , (a51, b2, c1, d3), (a51, b2, c1, d4), (a51, b2, c1, d5),
(a51, b2, c1, d6), (a51, b2, c1, d7), (a51, b2, c1, d8), (a51, b2, c1, d9), (a5
1, b2, c1, d10), (a51, b2, c1, d11), (a51, b2, c1, d12), (a51, b2, c1, d13), (a5
1, b2, c1, d14), (a51, b2, c1, d15), (a51, b2, c1, d16), (a51, b2, c1, d17), (a
51, b2, c1, d18), (a51, b2, c1, d19), (a51, b2, c1, d20), (a51, b2, c1, d21), (a
51, b2, c1, d22), (a51, b2, c2, d1), (a51, b2, c2, d2), (a51, b2, c2, d3), (a51,
b2, c2, d4), (a51, b2, c2, d5), (a51, b2, c2, d6), (a5 1, b2, c2, d7), (a51, b2
, c2, d8), (a51, b2, c2, d9), (a51, b2, c2, d10), (a51, b2, c2, d11), (a51, b2,
c2, d12), (a51, b2, c2, d13), (a51, b2, c2, d14), (a51, b2, c2, d15), (a51, b2,
c2, d16), (a51, b2, c2, d17), (a51, b2, c2, d18), (a51, b2, c2, d19), (a 51, b2,
c2, d20), (a51, b2, c2, d21), (a51, b2, c2, d22), (a51, b2, c3, d1), (a51, b2,
c3, d2), (a51, b2, c3, d3), (a51, b2, c3, d4), (a51, b2, c3, d5), (a51, b2, c3,
d6), (a51, b2, c3, d7), (a51, b2, c3, d8), (a51, b2, c3, d9), (a51, b2, c3, d10)
, (a51, b 2, c3, d11), (a51, b2, c3, d12), (a51, b2, c3, d13), (a51, b2, c3, d14
), (a51, b2, c3, d15), (a51, b2, c3, d16), (a51, b2, c3, d17), (a51, b2, c3, d18
), (a51, b2, c3, d19), (a51, b2, c3, d20), (a51, b2, c3, d21), (a51, b2, c3, d22
), (a51, b3, c1, d1), (a51 , b3, c1, d2), (a51, b3, c1, d3), (a51, b3, c1, d4),
(a51, b3, c1, d5), (a51, b3, c1, d6), (a51, b3, c1, d7), (a51, b3, c1, d8), (a51
, b3, c1, d9), (a51, b3, c1, d10), (a51, b3, c1, d11), (a51, b3, c1, d12), (a51,
b3, c1, d13), (a51, b3, c1, d14), (a51, b3 , c1, d15), (a51, b3, c1, d16), (a51
, b3, c1, d17), (a51, b3, c1, d18), (a51, b3, c1, d19), (a51, b3, c1, d20), (a51
, b3, c1, d21), (a51, b3, c1, d22), (a51, b3, c2, d1), (a51, b3, c2, d2), (a51,
b3, c2, d3), (a51, b3, c2, d4), (a51, b3, c2, d5), (a51, b3, c2, d6), (a51, b3,
c2, d7), (a51, b3, c2, d8), (a51, b3, c2, d9), (a51, b3, c2, d10), (a51, b3, c2
, d11), (a51, b3, c2, d12), (a51, b3, c2, d13), (a51, b3, c2, d14), (a51, b3, c2
, d15), (a51, b3, c2, d16), (a51, b3, c2, d17), (a51, b3, c2, d18), (a51, b3, c
2, d19), (a51, b3, c2, d20), (a51, b3, c2, d21), (a51, b3, c2, d22), (a51, b3, c
3, d1), (a51, b3, c3, d2), (a51, b3, c3, d3), (a51, b3, c3, d4), (a51, b3, c3, d
5), (a51, b3, c3, d6), (a51, b3, c3, d7), (a51, b3, c3, d8), (a51, b3, c3, d9),
(
a51, b3, c3, d10), (a51, b3, c3, d11), (a51, b3, c3, d12), (a51, b3, c3, d13), (
a51, b3, c3, d14), (a51, b3, c3, d15), (a51, b3, c3, d16), (a51, b3, c3, d17), (
a51, b3, c3, d18), (a51, b3, c3, d19), (a51, b3, c3, d20), (a51, b3, c3, d21), (
a51, b3, c3, d22), (a51, b4, c1, d1), (a51, b4, c1, d2), (a51, b4, c1, d3), (a51
, b4, c1, d4), (a51, b4, c1, d5), (a51, b4, c1, d6), (a51, b4, c1, d7), (a51, b4
, c1, d8), (a51, b4, c1, d9), (a51, b4, c1, d10), (a51, b4, c1, d11), (a51, b4,
c1, d12), (a51, b4, c1, d13), (a51, b4, c1, d 14), (a51, b4, c1, d15), (a51, b4,
c1, d16), (a51, b4, c1, d17), (a51, b4, c1, d18), (a51, b4, c1, d19), (a51, b4,
c1, d20), (a51, b4, c1, d21), (a51, b4, c1, d22), (a51, b4, c2, d1), (a51, b4,
c2, d2), (a51, b4, c2, d3), (a51, b4, c2, d4), (a51, b4, c2, d 5), (a51, b4, c2,
d6), (a51, b4, c2, d7), (a51, b4, c2, d8), (a51, b4, c2, d9), (a51, b4, c2, d10
), (a51, b4, c2, d11), (a51, b4, c2, d12), (a51, b4, c2, d13), (a51, b4, c2, d14
), (a51, b4, c2, d15), (a51, b4, c2, d16), (a51, b4, c2, d17), (a51, b4, c2, d1
8), (a51, b4, c2, d19), (a51, b4, c2, d20), (a51, b4, c2, d21), (a51, b4, c2, d2
2), (a51, b4, c3, d1), (a51, b4, c3, d2), (a51, b4, c3, d3), (a51, b4, c3, d4),
(a51, b4, c3, d5), (a51, b4, c3, d6), (a51, b4, c3, d7), (a51, b4, c3, d8), (a51
, b4, c3, d9), (a51, b4, c3, d10), (a51, b4, c3, d11), (a51, b4, c3, d12), (a51

, b4, c3, d13), (a51, b4, c3, d14), (a51, b4, c3, d15), (a51, b4, c3, d16), (a51 , b4, c3, d17), (a51, b4, c3, d18), (a51, b4, c3, d19), (a51, b4, c3, d20), (a51 , b4, c3, d21), (a51, b4, c3, d22), (a51, b5, c1, d1), (a51, b5, c1, d2), (a51, b5, c1, d3), (a51, b5, c1, d4), (a51, b5, c1, d5), (a51, b5, c1, d6), (a51, b5, c1, d7), (a51, b5, c1, d8), (a51, b5, c1, d9), (a51, b5, c1, d10), (a51, b5, c1 , d11), (a51, b5, c1, d12), (a51, b5, c1, d13), (a 51, b5, c1, d14), (a51, b5, c 1, d15), (a51, b5, c1, d16), (a51, b5, c1, d17), (a51, b5, c1, d18), (a51, b5, c 1, d19), (a51, b5, c1, d20), (a51, b5, c1, d21), (a51, b5, c1, d22), (a51, b5, c 2, d1), (a51, b5, c2, d2), (a51, b5, c2, d3), (a51, b5, c2, d4), (a 51, b5, c2, d5), (a51, b5, c2, d6), (a51, b5, c2, d7), (a51, b5, c2, d8), (a51, b5, c2, d9), (a51, b5, c2, d10), (a51, b5, c2, d11), (a51, b5, c2, d12), (a51, b5, c2, d13), (a51, b5, c2, d14), (a51, b5, c2, d15), (a51, b5, c2, d16), (a51, b5, c2, d17), (a5 1, b5, c2, d18), (a51, b5, c2, d19), (a51, b5, c2, d20), (a51, b5, c2, d21) , (a51, b5, c2, d22), (a51, b5, c3, d1), (a51, b5, c3, d2), (a51, b5, c3, d3), (a51, b5, c3, d4), (a51, b5, c3, d5), (a51, b5, c3, d6), (a51, b5, c3, d7), (a51, b5, c3, d8), (a51, b 5, c3, d9), (a51, b5, c3, d10), (a51, b5, c3, d11), (a51, b5, c3, d12), (a51, b5, c3, d13), (a51, b5, c3, d14), (a51, b5, c3, d15), (a51, b5, c3, d16), (a51, b5, c3, d17), (a51, b5, c3, d18), (a51, b5, c3, d19), (a51, b5, c3, d20), (a51, b5, c3, d21), (a51 , b5, c3, d22), (a51, b6, c1, d1), (a51, b6, c1, d2), (a51, b6, c1, d3), (a51, b6, c1, d4), (a51, b6, c1, d5), (a51, b6, c1, d6), (a51, b6, c1, d7), (a51, b6, c1, d8), (a51, b6, c1, d9), (a51, b6, c1, d10), (a51, b6, c1, d11), (a51, b6, c1, d12), (a51, b6, c1, d13), (a51, b6, c1, d14), (a51, b6, c1, d15), (a51, b6, c1, d16), (a51, b6, c1, d17), (a51, b6, c1, d18), (a51, b6, c1, d19), (a51, b6, c1, d20), (a51, b6, c1, d21), (a51, b6, c1, d22), (a51, b6, c2, d1), (a51, b6, c2, d2), (a51, b6, c2, d3), (a51, b6 , c2, d 4), (a51, b6, c2, d5), (a51, b6, c2, d6), (a51, b6, c2, d7), (a51, b6, c2, d8), (a51, b6, c2, d9), (a51, b6, c2, d10), (a51, b6, c2, d11), (a51, b6, c2, d12), (a51, b6, c2, d13), (a51, b6, c2, d14), (a51, b6, c2, d15), (a51, b6, c2, d16), (a51, b6, c2, d17), (a51, b6, c2, d18), (a51, b6, c2, d19), (a51, b6, c2, d20), (a51, b6, c2, d21), (a51, b6, c2, d22), (a51, b6, c3, d1), (a51, b6, c3, d2), (a5 1, b6, c3, d3), (a51, b6, c3, d4), (a51, b6, c3, d5), (a51, b6, c3, d6), (a51, b 6, c3, d7), (a51, b6, c3, d8), (a51, b6, c3, d9), (a51, b6, c3, d10), (a51, b6, c3, d11), (a51, b6, c3, d12), (a51, b6, c3, d13), (a51, b6, c3, d14), (a51, b6, c3, d15), (a51, b6, c3, d16), (a51, b6, c3, d17), (a51, b6, c3, d18), (a51, b6, c3, d19), (a51, b6, c3, d20), (a51, b6, c 3, d21), (a51, b6, c3, d22), (a52, b1 , c1, d1), (a52, b1, c1, d2), (a52, b1, c1, d3), (a52, b1, c1, d4), (a52, b1, c1 , d5), (a52, b1, c1, d6), (a52, b1, c1, d7), (a52, b1, c1, d8), (a52, b1, c1, d9), (a52, b1, c1, d10), (a52, b1, c1, d11), (a52, b1, c1, d1 2), (a52, b1, c1, d1 3), (a52, b1, c1, d14), (a52, b1, c1, d15), (a52, b1, c1, d16), (a52, b1, c1, d1 7), (a52, b1, c1, d18), (a52, b1, c1, d19), (a52, b1, c1, d20), (a52, b1, c1, d2 1), (a52, b1, c1, d22), (a52, b1, c2, d1), (a52, b1, c2, d2), (a52, b1, c2, d3), (a52, b1, c2, d4), (a52, b1, c2, d5), (a52, b1, c2, d6), (a52, b1, c2, d7), (a5 2, b1, c2, d8), (a52, b1, c2, d9), (a52, b1, c2, d10), (a52, b1, c2, d11), (a52, b1, c2, d12), (a52, b1, c2, d13), (a52, b1, c2, d14), (a52, b1, c2, d15), (a52, b1, c2, d16), (a52, b1, c2, d17), (a52, b1, c2, d18), (a52, b1, c2, d19), (a52 , b1, c2, d20), (a52, b1, c2, d21), (a52, b1, c2, d22), (a52, b1, c3, d1), (a52, b1, c3, d2), (a52, b1, c3, d3), (a52, b1, c3, d4), (a52, b1, c3, d5), (a52, b1, c3, d6), (a52, b1, c3, d7), (a52, b1, c3, d8), (a52, b1, c3, d9), (a52, b1, c3, d10), (a52, b1, c3, d11), (a52, b1, c3, d12), (a52, b1, c3, d13), (a52, b1, c3, d14), (a52, b1, c3, d15), (a52, b1, c3, d16), (a52, b1, c3, d17), (a52, b1, c3,

d18), (a52, b1, c3, d19), (a52, b1, c3, d20) , (a52, b1, c3, d21), (a52, b1, c3 , d22), (a52, b2, c1, d1), (a52, b2, c1, d2), (a52, b2, c1, d3), (a52, b2, c1, d 4), (a52, b2, c1, d5), (a52, b2, c1, d6), (a52, b2, c1, d7), (a52, b2, c1, d8), (a52, b2, c1, d9), (a52, b2, c1, d10), (a52, b2, c1, d11), (a5 2, b2, c1, d12), (a52, b2, c1, d13), (a52, b2, c1, d14), (a52, b2, c1, d15), (a52, b2, c1, d16), (a52, b2, c1, d17), (a52, b2, c1, d18), (a52, b2, c1, d19), (a52, b2, c1, d20), (a52, b2, c1, d21), (a52, b2, c1, d22), (a52, b2, c2, d1), (a52, b2, c2, d2), (a52, b2, c2, d3), (a52, b2, c2, d4), (a52, b2, c2, d5), (a52, b2, c2, d6), (a52, b2, c2, d7), (a52, b2, c2, d8), (a52, b2, c2, d9), (a52, b2, c2, d10), (a52, b2 , c2, d11), (a52, b2, c2, d12), (a52, b2, c2, d13), (a52, b2, c2, d14), (a52, b2 , c2, d15), (a52 , b2, c2, d16), (a52, b2, c2, d17), (a52, b2, c2, d18), (a52, b 2, c2, d19), (a52, b2, c2, d20), (a52, b2, c2, d21), (a52, b2, c2, d22), (a52, b 2, c3, d1), (a52, b2, c3, d2), (a52, b2, c3, d3), (a52, b2, c3, d4), (a52, b2, c 3, d5), (a52, b2, c3, d6), (a52, b2, c3, d7), (a52, b2, c3, d8), (a52, b2, c3, d 9), (a52, b2, c3, d10), (a52, b2, c3, d11), (a52, b2, c3, d12), (a52, b2, c3, d1 3), (a52, b2, c3, d14), (a52, b2, c3, d15), (a52, b2, c3, d16), (a52, b2, c3, d1 7), (a52, b2, c3, d18), (a52, b2, c3, d19), (a52, b2, c3, d20), (a52, b2, c3, d 21), (a52, b2, c3, d22), (a52, b3, c1, d1), (a52, b3, c1, d2), (a52, b3, c1, d3) , (a52, b3, c1, d4), (a52, b3, c1, d5), (a52, b3, c1, d6), (a52, b3, c1, d7), (a 52, b3, c1, d8), (a52, b3, c1, d9), (a52, b3, c1, d10), (a52, b3, c1, d11), (a52 , b3, c1, d12), (a52, b3, c1, d13), (a52, b3, c1, d14), (a52, b3, c1, d15), (a52 , b3, c1, d16), (a52, b3, c1, d17), (a52, b3, c1, d18), (a52, b3, c1, d19), (a52 , b3, c1, d20), (a52, b3, c1, d21), (a52, b3, c1, d22), (a52, b3, c2, d1), (a52, b 3, c2, d2), (a52, b3, c2, d3), (a52, b3, c2, d4), (a52, b3, c2, d5), (a52, b3 , c2, d6), (a52, b3, c2, d7), (a52, b3, c2, d8), (a52, b3, c2, d9), (a52, b3, c2 , d10), (a52, b3, c2, d11), (a52, b3, c2, d12), (a52, b3, c2, d13), (a52, b3, c2 , d14), (a52, b3, c 2, d15), (a52, b3, c2, d16), (a52, b3, c2, d17), (a52, b3, c 2, d18), (a52, b3, c2, d19), (a52, b3, c2, d20), (a52, b3, c2, d21), (a52, b3, c 2, d22), (a52, b3, c3, d1), (a52, b3, c3, d2), (a52, b3, c3, d3), (a52, b3, c3, d4), (a52, b3, c3, d5), (a52, b3, c3 , d6), (a52, b3, c3, d7), (a52, b3, c3, d8) , (a52, b3, c3, d9), (a52, b3, c3, d10), (a52, b3, c3, d11), (a52, b3, c3, d12), (a52, b3, c3, d13), (a52, b3, c3, d14), (a52, b3, c3, d15), (a52, b3, c3, d16), (a52, b3, c3, d17), (a52, b3, c3, d18), (a52, b3, c3 , d19), (a52, b3, c3, d20) , (a52, b3, c3, d21), (a52, b3, c3, d22), (a52, b4, c1, d1), (a52, b4, c1, d2), (a52, b4, c1, d3), (a52, b4, c1, d4), (a52, b4, c1, d5), (a52, b4, c1, d6), (a52 , b4, c1, d7), (a52, b4, c1, d8), (a52, b4, c1, d9), (a52, b4, c1, d10), (a52, b4, c1, d11), (a52, b4, c1, d12), (a52, b4, c1, d13), (a52, b4, c1, d14), (a52, b4, c1, d15), (a52, b4, c1, d16), (a52, b4, c1, d17), (a52, b4, c1, d18), (a52, b4, c1, d19), (a52, b4, c1, d20), (a52, b4, c1, d21), (a52, b4, c1, d22), (a52, b4, c2, d1), (a52, b4, c2, d2), (a52, b4, c2, d3), (a52, b4, c2, d4), (a52, b4, c2, d5), (a52, b4, c2, d6), (a52, b4, c2, d7), (a52, b4, c2, d8), (a52, b4, c2, d9), (a52, b4, c2, d10), (a52, b4, c2, d11), (a52, b4, c2, d12), (a52, b4, c2, d13), (a52, b4, c2, d14) , (a52, b4, c2, d15), (a52, b4, c2, d16), (a52, b4, c2, d17), (a52, b4, c2, d18), (a52, b4, c2, d19), (a52, b4, c2, d20), (a52, b4, c2, d21), (a52, b4, c2, d22), (a52, b4, c3, d1), (a52, b4, c3, d2), (a52, b4, c3, d 3), (a52, b4, c3, d4), (a52, b4, c3, d5), (a52, b4, c3, d6), (a52, b4, c3, d7), (a52, b4, c3, d8), (a52, b4, c3, d9), (a52, b4, c3, d10), (a52, b4, c3, d11), (a52, b4, c3, d12), (a52, b4, c3, d13), (a52, b4, c3, d14), (a52, b4, c3, d15), (a52, b4, c3, d16), (a52, b4, c3, d17), (a52, b4, c3, d18), (a52, b4, c3, d19), (a52, b4, c3, d20), (a52, b4, c3, d21), (a52, b4, c3, d22), (a52, b5, c1, d1), (

a52, b5, c1, d2), (a52, b5, c1, d3), (a52, b5, c1, d4), (a52, b5, c1, d5), (a52, b5, c1, d6), (a52, b5, c1, d7), (a52, b5, c1, d8), (a52, b5, c1, d9), (a52 , b5, c1, d10), (a52, b5, c1, d11), (a52, b5, c1, d12), (a52, b5, c1, d13), (a52, b5, c1, d14), (a52, b5, c1, d15), (a52, b5, c1, d16), (a52, b5, c1, d17), (a52, b5, c1, d18), (a52, b5, c1, d19), (a52, b5, c1, d20), (a52, b5, c1, d21), (a52, b5, c1, d22), (a52, b5, c2, d1), (a52, b5, c2, d2), (a52, b5, c2, d3), (a52, b5, c2, d4), (a52, b5, c2, d5), (a52, b5, c2, d6), (a52, b5, c2, d7), (a52, b5, c2, d8), (a52, b5, c2, d9), (a52, b5, c2, d10), (a52, b5, c2, d11), (a52, b5, c2, d12), (a52, b5, c2, d13), (a52, b5, c2, d14), (a52, b5, c2, d15), (a52, b5, c2, d16), (a52, b5, c2, d17), (a52, b5, c2, d18), (a52, b5, c2, d19), (a52, b5, c2, d20), (a52, b5, c2, d21), (a52, b5, c2, d22), (a52, b5, c3, d1), (a52, b5, c3, d2), (a52, b5, c3, d3), (a52, b5, c3, d4), (a52, b5, c3, d5), (a52, b5, c3, d6), (a52, b5, c3, d7), (a52, b5, c3, d8), (a52, b5, c3, d9), (a52, b5, c3, d10), (a52, b5, c3, d11), (a52, b5, c3, d12), (a52, b5, c3, d13), (a52, b5, c3, d14), (a52, b5, c3, d15), (a52, b5, c3, d16), (a52, b5, c3, d17), (a52, b5, c3, d18), (a52, b5, c3, d19), (a52, b5, c3, d20), (a52, b5, c3, d21), (a52, b5, c3, d22), (a52, b6, c1, d1), (a52, b6, c1, d2), (a52, b6, c1, d3), (a52, b6, c1, d4), (a52, b6, c1, d5), (a52, b6, c1, d6), (a52, b6, c1, d7), (a52, b6, c1, d8), (a52, b6, c1, d9), (a52, b6, c1, d10), (a52, b6, c1, d11), (a52, b6, c1, d12), (a52, b6, c1, d13), (a52, b6, c1, d14), (a52, b6, c1, d15), (a52, b6, c1, d16), (a52, b6, c1, d17), (a52, b6, c1, d18), (a52, b6, c1, d19), (a52, b6, c1, d20), (a52, b6, c1, d21), (a52, b 6, c1, d22), (a52, b6, c2, d1), (a52, b6, c2, d2), (a52, b6, c2, d3), (a52, b6, c2, d4), (a52, b6, c2, d5), (a52, b6, c2, d6), (a52, b6, c2, d7), (a52, b6, c2, d8), (a52, b6, c2, d9), (a52, b6, c2, d10), (a52, b6, c2, d11), (a52, b6, c2, d12), (a52, b6, c2 , d13), (a52, b6, c2, d14), (a52, b6, c2, d15), (a52, b6, c2, d16), (a52, b6, c2, d17), (a52, b6, c2, d18), (a52, b6, c2, d19), (a52, b6, c2, d20), (a52, b6, c2, d21), (a52, b6, c2, d22), (a52, b6, c3, d1), (a52, b6, c3, d2), (a52, b6, c3, d3), (a52, b6, c 3, d4), (a52, b6, c3, d5), (a52, b6, c3, d6), (a52, b6, c3, d7), (a52, b6, c3, d8), (a52, b6, c3, d9), (a52, b6, c3, d10), (a52, b6, c3, d11), (a52, b6, c3, d12), (a52, b6, c3, d13), (a52, b6, c3, d14), (a52, b6, c3, d15), (a52, b6, c3, d16), (a52, b6, c3, d17), (a52, b6, c3, d18), (a52, b6, c3, d19), (a52, b6, c3, d20), (a52, b6, c3, d21), (a52, b6, c3, d22), (a53, b1, c1, d1), (a53, b1, c1, d2), (a53, b1, c1, d3), (a53, b1, c1, d4), (a53, b1, c1, d5), (a53, b1, c1, d6), (a53, b1, c1, d7), (a53, b1, c1, d8), (a53, b1, c1, d9), (a53, b1, c1, d10), (a53, b1, c1, d11), (a53, b1, c1, d12), (a53, b1, c1, d13), (a53, b1, c1, d14), (a53, b1, c1, d15), (a53, b1, c1, d16), (a53, b1, c1, d17), (a53, b1, c1, d18), (a53, b1, c1, d19), (a53, b1, c1, d20), (a53, b1, c1, d21), (a53, b1, c1, d22), (a53, b1, c2, d1), (a53, b1, c2, d2), (a53, b1, c2, d3), (a53, b1, c2, d4), (a53, b1, c2, d5), (a53, b1, c2, d6), (a53, b1, c2, d7), (a53, b1, c2, d8), (a53, b1, c2, d9), (a53, b1, c2, d10), (a53, b1, c2, d11), (a53, b1, c2, d12), (a53, b1, c2, d13), (a53, b1, c2, d14), (a53, b1, c2, d15), (a53, b1, c2, d16), (a53, b1, c2, d17), (a53, b1, c2, d18), (a53, b1, c2, d19), (a53, b1, c2, d20), (a53, b1, c2, d21), (a53, b1, c2, d22), (a53, b1, c3, d1), (a53, b1, c3, d2), (a53, b1, c3, d3) , (a53, b1, c3, d4), (a53, b1, c3, d5), (a53, b1, c3, d6), (a53, b1, c3, d7), (a53, b1, c3, d8), (a53, b1, c3, d9), (a53, b1, c3, d10), (a53, b1, c3, d11), (a53, b1, c3, d12), (a53, b1, c3, d13), (a53, b1, c3, d14), (a53, b1, c3, d15), (a53, b1, c3, d16), (a53, b1, c3, d17), (a53, b1, c3, d18), (a53, b1, c3, d19), (a53, b1, c3, d20), (a53, b1, c3, d21), (a53, b1, c3, d22), (a53, b2, c1, d1), (a53, b2, c1, d2), (a53, b2, c1,

d3), (a53, b2, c1, d4), (a53, b2, c1, d5), (a53, b2, c1, d6), (a53, b2, c1, d7), (a5 3, b2, c1, d8), (a53, b2, c1, d9), (a53, b2, c1, d10), (a53, b2, c1, d11), (a53, b2, c1, d12), (a53, b2, c1, d13), (a53, b2, c1, d14), (a53, b2, c1, d15), (a53, b2, c1, d16), (a53, b2, c1, d17), (a53, b2, c1, d18), (a53, b2, c1, d19), (a53, b2, c1, d20), (a53, b2, c1, d21), (a53, b2, c1, d22), (a53, b2, c2, d1), (a53, b2, c2, d2), (a53, b2, c2, d3), (a53, b2, c2, d4), (a53, b2, c2, d5), (a53 , b2, c2, d6), (a53, b2, c2, d7), (a53, b2, c2, d8), (a53, b2, c2, d9), (a53, b2 , c2, d10), (a53, b2, c2, d11), (a53, b2, c2, d12), (a53, b2, c2, d13), (a53, b2 , c2, d14), (a53, b2, c2, d15), (a53, b2, c2, d16), (a53, b2, c2, d17), (a53, b2 , c2, d18), (a53, b2, c2, d19), (a53, b2, c2, d20), (a53, b2, c2, d21), (a53, b2 , c2, d22), (a53, b2, c3, d1), (a53, b2, c3, d2), (a53 , b2, c3, d3), (a53, b2, c3, d4), (a53, b2, c3, d5), (a53, b2, c3, d6), (a53, b2, c3, d7), (a53, b2, c3, d8), (a53, b2, c3, d9), (a53, b2, c3, d10), (a53, b2, c3, d11), (a53, b2, c3, d1 2), (a53, b2, c3, d13), (a53, b2, c3, d14), (a53, b2, c3, d15), (a53, b 2, c3, d 16), (a53, b2, c3, d17), (a53, b2, c3, d18), (a53, b2, c3, d19), (a53, b2, c3, d 20), (a53, b2, c3, d21), (a53, b2, c3, d22), (a53, b3, c1, d1), (a53, b3, c1, d2), (a53, b3, c1, d3), (a53, b3, c1, d4), (a53, b3, c1, d5), (a53, b3, c1, d6), (a53, b3, c1, d7), (a53, b3, c1, d8), (a53, b3, c1, d9), (a53, b3, c1, d10), (a5 3, b3, c1, d11), (a53, b3, c1, d12), (a53, b3, c1, d13), (a53, b3, c1, d14), (a5 3, b3, c1, d15), (a53, b3, c1, d16), (a53, b3, c1, d17), (a53, b3, c1, d18), (a5 3, b3, c1, d19), (a53, b3 , c1, d20), (a53, b3, c1, d21), (a53, b3, c1, d22), (a 53, b3, c2, d1), (a53, b3, c2, d2), (a53, b3, c2, d3), (a53, b3, c2, d4), (a53, b3, c2, d5), (a53, b3, c2, d6), (a53, b3, c2, d7), (a53, b3, c2, d8), (a53, b3, c2, d9), (a53, b3, c2, d10), (a53, b3, c2, d11), (a53, b3, c2, d12), (a53, b3, c2, d13), (a53, b3, c2, d14), (a53, b3, c2, d15), (a53, b3, c2, d16), (a53, b3, c2, d17), (a53, b3, c2, d18), (a53, b3, c2, d19), (a53, b3, c2, d20), (a53, b3, c2, d21), (a53, b3, c2, d22), (a53, b3, c3, d1), (a53, b3, c3, d2), (a53, b3, c3 , d3), (a53, b3, c3, d4), (a53, b3, c3, d5), (a53, b3, c3, d6), (a53, b3, c3, d7), (a53, b3, c3, d8), (a53, b3, c3, d9), (a53, b3, c3, d10), (a53, b3, c3, d11), (a53, b3, c3, d12), (a53, b3, c3, d13), (a53, b3, c3, d14), (a53, b3, c3, d15), (a53, b3, c3, d16), (a53, b3, c3, d17), (a53, b3, c3, d18), (a53, b3, c3, d19), (a53, b3, c3, d20), (a53, b3, c3, d21), (a53, b3, c3, d22), (a53, b4, c1, d1), (a53, b4, c1, d2), (a53, b4, c1, d3), (a53, b4, c1, d4), (a53, b4, c1, d5), (a53 , b4, c1, d 6), (a53, b4, c1, d7), (a53, b4, c1, d8), (a53, b4, c1, d9), (a53, b 4, c1, d10), (a53, b4, c1, d11), (a53, b4, c1, d12), (a53, b4, c1, d13), (a53, b 4, c1, d14), (a53, b4, c1, d15), (a53, b4, c1, d16), (a53, b4, c1, d17), (a53, b 4, c1, d18), (a53, b4, c1, d 19), (a53, b4, c1, d20), (a53, b4, c1, d21), (a53, b4, c1, d22), (a53, b4, c2, d1), (a53, b4, c2, d2), (a53, b4, c2, d3), (a53, b4, c2, d4), (a53, b4, c2, d5), (a53, b4, c2, d6), (a53, b4, c2, d7), (a53, b4, c2, d8), (a53, b4, c2, d9), (a53, b4, c2, d10), (a53, b4, c2, d11), (a53, b4, c2, d 12), (a53, b4, c2, d13), (a53, b4, c2, d14), (a53, b4, c2, d15), (a53, b4, c2, d 16), (a53, b4, c2, d17), (a53, b4, c2, d18), (a53, b4, c2, d19), (a53, b4, c2, d 20), (a53, b4, c2, d21), (a53, b4, c2, d22), (a53, b4, c3, d1), (a53, b4, c3, d 2), (a53, b4, c3, d3), (a53, b4, c3, d4), (a53, b4, c3, d5), (a53, b4, c3, d6), (a53, b4, c3, d7), (a53, b4, c3, d8), (a53, b4, c3, d9), (a53, b4, c3, d10), (a5 3, b4, c3, d11), (a53, b4, c3, d12), (a53, b4, c3, d13), (a53, b4, c3, d14), (a 53, b4, c3, d15), (a53, b4, c3, d16), (a53, b4, c3, d17), (a53, b4, c3, d18), (a 53, b4, c3, d19), (a53, b4, c3, d20), (a53, b4, c3, d21), (a53, b4, c3, d22), (a 53, b5, c1, d1), (a53, b5, c1, d2), (a53, b5, c1, d3), (a53, b5, c1, d4), (a53, b5, c1, d5), (a 53, b5, c1, d6), (a53, b5, c1, d7), (a53, b5, c1, d8), (a53, b5,

c1, d9), (a53, b5, c1, d10), (a53, b5, c1, d11), (a53, b5, c1, d12), (a53, b5, c1, d13), (a53, b5, c1, d14), (a53, b5, c1, d15), (a53, b5, c1, d16), (a53, b5, c1, d17), (a53, b5, c1, d18), (a 53, b5, c1, d19), (a53, b5, c1, d20), (a53, b5, c1, d21), (a53, b5, c1, d22), (a53, b5, c2, d1), (a53, b5, c2, d2), (a53, b5, c2, d3), (a53, b5, c2, d4), (a53, b5, c2, d5), (a53, b5, c2, d6), (a53, b5, c2, d7), (a53, b5, c2, d8), (a53, b5, c2, d9), (a53, b 5, c2, d10), (a53, b5, c2, d11), (a53, b5, c2, d12), (a53, b5, c2, d13), (a53, b5, c2, d14), (a53, b5, c2, d15), (a53, b5, c2, d16), (a53, b5, c2, d17), (a53, b5, c2, d18), (a53, b5, c2, d19), (a53, b5, c2, d20), (a53, b5, c2, d21), (a53, b5, c2, d22), (a5 3, b5, c3, d1), (a53, b5, c3, d2), (a53, b5, c3, d3), (a53, b5, c3, d4), (a53, b5, c3, d5), (a53, b5, c3, d6), (a53, b5, c3, d7), (a53, b5, c3, d8), (a53, b5, c3, d9), (a53, b5, c3, d10), (a53, b5, c3, d11), (a53, b5, c3, d12), (a53, b5, c3, d13), (a53, b5 , c3, d14), (a53, b5, c3, d15), (a53, b5, c3, d16), (a53, b5, c3, d17), (a53 , b5, c3, d18), (a53, b5, c3, d19), (a53, b5, c3, d20), (a53, b5, c3, d21), (a53 , b5, c3, d22), (a53, b6, c1, d1), (a53, b6, c1, d2), (a53, b6, c1, d3), (a53, b 6, c1, d4), (a53, b6 , c1, d5), (a53, b6, c1, d6), (a53, b6, c1, d7), (a53, b6, c1, d8), (a53, b6, c1, d9), (a53, b6, c1, d10), (a53, b6, c1, d11), (a53, b6, c1 , d12), (a53, b6, c1, d13), (a53, b6, c1, d14), (a53, b6, c1, d15), (a53, b6, c1 , d16), (a53, b6, c1, d17), (a53, b6, c1, d18), (a53, b6, c1, d19), (a53, b6, c 1, d20), (a53, b6, c1, d21), (a53, b6, c1, d22), (a53, b6, c2, d1), (a53, b6, c2 , d2), (a53, b6, c2, d3), (a53, b6, c2, d4), (a53, b6, c2, d5), (a53, b6, c2, d6), (a53, b6, c2, d7), (a53, b6, c2, d8), (a53, b6, c2, d9), (a53, b6, c2, d10), (a53, b6, c2, d11), (a53, b6, c2, d12), (a53, b6, c2, d13), (a53, b6, c2, d14), (a53, b6, c2, d15), (a53, b6, c2, d16), (a53, b6, c2, d17), (a53, b6, c2, d18), (a53, b6, c2, d19), (a53, b6, c2, d20), (a53, b6, c2, d21), (a53, b6, c2, d22), (a53, b6, c3, d1), (a53, b6, c3, d2), (a53, b6, c3, d3), (a53, b6, c3, d4), (a5 3, b6, c3, d5), (a53, b6, c3, d6), (a53, b6, c3, d7), (a53, b6, c3, d8), (a53, b 6, c3, d9), (a53, b6, c3, d10), (a53, b6, c3, d11), (a53, b6, c3, d12), (a53, b6 , c3, d 13), (a53, b6, c3, d14), (a53, b6, c3, d15), (a53, b6, c3, d16), (a53, b 6, c3, d17), (a53, b6, c3, d18), (a53, b6, c3, d19), (a53, b6, c3, d20), (a53, b 6, c3, d21), (a53, b6, c3, d22), (a54, b1, c1, d1), (a54, b1, c1, d2), (a54, b1, c1, d3), (a54, b1, c1, d4), (a54, b1, c1, d5), (a54, b1, c1, d6), (a54, b1, c1, d7), (a54, b1, c1, d8), (a54, b1, c1, d9), (a54, b1, c1, d10), (a54, b1, c1, d1 1), (a54, b1, c1, d12), (a54, b1, c1, d13), (a54, b1, c1, d14), (a54, b1, c1, d1 5), (a54, b1, c1, d16), (a54, b1, c1, d1 7), (a54, b1, c1, d18), (a54, b1, c1, d 19), (a54, b1, c1, d20), (a54, b1, c1, d21), (a54, b1, c1, d22), (a54, b1, c2, d 1), (a54, b1, c2, d2), (a54, b1, c2, d3), (a54, b1, c2, d4), (a54, b1, c2, d5), (a54, b1, c2, d6), (a54, b1, c2, d7), (a54, b1, c2, d8), (a54, b1, c2, d9), (a54 , b1, c2, d10), (a54, b1, c2, d11), (a54, b1, c2, d12), (a54, b1, c2, d13), (a54 , b1, c2, d14), (a54, b1, c2, d15), (a54, b1, c2, d16), (a54, b1, c2, d17), (a54 , b1, c2, d18), (a54, b1, c2, d19), (a54, b1, c2, d20), (a54, b1, c2, d21), (a54 , b1, c2, d22), (a54, b1, c3, d1), (a54, b1, c3, d2), (a54, b1, c3, d3), (a54, b 1, c3, d4), (a54, b1, c3, d5), (a54, b1, c3, d6), (a54, b1, c3, d7), (a54, b1, c 3, d8), (a54, b1, c3, d9), (a54, b1, c3, d10), (a54, b1, c3, d11), (a54, b1, c3, d12), (a 54, b1, c3, d13), (a54, b1, c3, d14), (a54, b1, c3, d15), (a54, b1, c3 , d16), (a54, b1, c3, d17), (a54, b1, c3, d18), (a54, b1, c3, d19), (a54, b1, c3 , d20), (a54, b1, c3, d21), (a54, b1, c3, d22), (a54, b2, c1, d1), (a54, b2, c1, d2), (a54, b2, c1, d3), (a54, b2, c1, d4), (a54, b2, c1, d5), (a54, b2, c1, d6), (a54, b2, c1, d7), (a54, b2, c1, d8), (a54, b2, c1, d9), (a54, b2, c1, d10),

(a54, b2, c1, d11), (a54, b2, c1, d12), (a54, b2, c1, d13), (a54, b2, c1, d14), (a54, b2, c1, d15), (a54, b2, c1, d16), (a5 4, b2, c1, d17), (a54, b2, c1, d18), (a54, b2, c1, d19), (a54, b2, c1, d20), (a54, b2, c1, d21), (a54, b2, c1, d22), (a54, b2, c2, d1), (a54, b2, c2, d2), (a54, b2, c2, d3), (a54, b2, c2, d4), (a5 4, b2, c2, d5), (a54, b2, c2, d6), (a54, b2, c2, d7), (a54, b2, c2, d8), (a54, b 2, c2, d9), (a54, b2, c2, d10), (a54, b2, c2, d11), (a54, b2, c2, d12), (a54, b2 , c2, d13), (a54, b2, c2, d14), (a54, b2, c2, d15), (a54, b2, c2, d16), (a54, b2 , c2, d17), (a54, b2, c2, d18), (a54, b2, c2, d19), (a54, b2, c2, d20), (a54 , b 2, c2, d21), (a54, b2, c2, d22), (a54, b2, c3, d1), (a54, b2, c3, d2), (a54, b2, c3, d3), (a54, b2, c3, d4), (a54, b2, c3, d5), (a54, b2, c3, d6), (a54, b2, c3, d7), (a54, b2, c3, d8), (a54, b2, c3, d9), (a54, b2, c3, d10), (a54, b2, c3, d1 1), (a54, b2, c3, d12), (a54, b2, c3, d13), (a54, b2, c3, d14), (a54, b2, c3, d 15), (a54, b2, c3, d16), (a54, b2, c3, d17), (a54, b2, c3, d18), (a54, b2, c3, d 19), (a54, b2, c3, d20), (a54, b2, c3, d21), (a54, b2, c3, d22), (a54, b3, c1, d 1), (a54, b3, c1, d2), (a54, b 3, c1, d3), (a54, b3, c1, d4), (a54, b3, c1, d5), (a54, b3, c1, d6), (a54, b3, c1, d7), (a54, b3, c1, d8), (a54, b3, c1, d9), (a5 4, b3, c1, d10), (a54, b3, c1, d11), (a54, b3, c1, d12), (a54, b3, c1, d13), (a5 4, b3, c1, d14), (a54, b3, c1, d15), (a54, b3, c1, d16), (a54, b3, c1, d17), (a5 4, b3, c1, d18), (a54, b3, c1, d19), (a54, b3, c1, d20), (a54, b3, c1, d21), (a5 4, b3, c1, d22), (a54, b3, c2, d1), (a54, b3, c2, d2), (a54, b3, c2, d3), (a54, b3, c2, d4), (a54, b3, c2, d5), (a54, b3, c2, d6), (a54, b3, c2 , d7), (a54, b3, c2, d8), (a54, b3, c2, d9), (a54, b3, c2, d10), (a54, b3, c2, d11), (a54, b3, c 2, d12), (a54, b3, c2, d13), (a54, b3, c2, d14), (a54, b3, c2, d15), (a54, b3, c 2, d16), (a54, b3, c2, d17), (a54, b3, c2, d18), (a54, b3, c2, d19), (a54, b3, c 2, d20), (a54, b3, c2, d21), (a54, b3, c2, d22), (a54, b3, c3, d1), (a54, b3, c 3, d2), (a54, b3, c3, d3), (a54, b3, c3, d4), (a54, b3, c3, d5), (a54, b3, c3, d 6), (a54, b3, c3, d7), (a54, b3, c3, d8), (a54, b3, c3, d9), (a54, b3, c3, d10), (a54, b3, c3, d1 1), (a54, b3, c3, d12), (a54, b3, c3, d13), (a54, b3, c3, d14) , (a54, b3, c3, d15), (a54, b3, c3, d16), (a54, b3, c3, d17), (a54, b3, c3, d18) , (a54, b3, c3, d19), (a54, b3, c3, d20), (a54, b3, c3, d21), (a54, b3, c3, d22) , (a54, b4, c1, d1), (a54, b4, c1, d2), (a54, b4, c1, d3), (a54, b4, c1, d4), (a54, b4, c1, d5), (a54, b4, c1, d6), (a54, b4, c1, d7), (a54, b4, c1, d8), (a54, b4, c1, d9), (a54, b4, c1, d10), (a54, b4, c1, d11), (a54, b4, c1, d12), (a54, b4, c1, d13), (a54, b4, c1, d14), (a54, b4, c1, d15), (a54, b4, c1, d16), (a54, b4, c1, d17), (a54, b4, c1, d18), (a54, b4, c1, d19), (a54, b4, c1, d20), (a54, b4, c1, d21), (a54, b4, c1, d22), (a54, b4, c2, d1), (a54, b4, c2, d2), (a54, b 4, c2, d3), (a54, b4, c2, d4), (a54, b4, c2, d5), (a54, b4, c2, d6), (a54, b4, c2, d7), (a54, b4, c2, d8), (a54, b4, c2, d9), (a54, b4, c2, d10), (a54, b4, c2, d11), (a54, b4, c2, d12), (a54, b4, c2, d13), (a54, b4, c2, d14), (a54, b4, c2, d15), (a54, b4, c2, d16), (a54, b4, c2, d17), (a54, b4, c2, d18), (a54, b4, c2, d19) , (a54, b4, c2, d20), (a54, b4, c2, d21), (a54, b4, c2, d22), (a54, b4, c3 , d1), (a54, b4, c3, d2), (a54, b4, c3, d3), (a54, b4, c3, d4), (a54, b4, c3, d5), (a54, b4, c3, d6), (a54, b4, c3, d7), (a54, b4, c3, d8), (a54, b4, c3, d9), (a54, b4, c3, d10), (a5 4, b4, c3, d11), (a54, b4, c3, d12), (a54, b4, c3, d13), (a54, b4, c3, d14), (a54, b4, c3, d15), (a54, b4, c3, d16), (a54, b4, c3, d17), (a54, b4, c3, d18), (a54, b4, c3, d19), (a54, b4, c3, d20), (a54, b4, c3, d21), (a54, b4, c3, d22), (a54, b5, c1, d1), (a54, b5, c1, d2), (a54, b5, c1, d3), (a5 4, b5, c1, d4), (a54, b5, c1, d5), (a54, b5, c1, d6), (a54, b5, c1, d7), (a54, b 5, c1, d8), (a54, b5, c1, d9), (a54, b5, c1, d10), (a54, b5, c1, d11), (a54, b5, c1, d12), (a54, b5, c1, d13), (a54, b5, c1, d14), (a54 , b5, c1, d15), (a54, b5

, c1, d16), (a54, b5, c1, d17), (a54, b5, c1, d18), (a54, b5, c1, d19), (a54, b5
, c1, d20), (a54, b5, c1, d21), (a54, b5, c1, d22), (a54, b5, c2, d1), (a54, b5,
c2, d2), (a54, b5, c2, d3), (a54, b5, c2, d4), (a54, b5, c2, d5), (a54, b5, c2
, d6), (a54, b5, c2, d7), (a54, b5, c2, d8), (a54, b5, c2, d9), (a54, b5, c2, d1
0), (a54, b5, c2, d11), (a54, b5, c2, d12), (a54, b5, c2, d13), (a54, b5, c2, d1
4), (a54, b5, c2, d15), (a54, b5, c2, d16), (a54, b5, c2, d17), (a54, b5, c2, d1
8), (a54, b5, c2, d19), (a54, b5, c2, d20), (a54, b5, c2, d21), (a54, b5, c2, d
22), (a54, b5, c3, d1), (a54, b5, c3, d2), (a54, b5, c3, d3), (a54, b5, c3, d4),
(a54, b5, c3, d5), (a54, b5, c3, d6), (a54, b5, c3, d7), (a54, b5, c3, d8), (a5
4, b5, c3, d9), (a54, b5, c3, d10), (a54, b5, c3, d11), (a54, b5, c3, d12), (a54
, b5, c3, d13), (a54, b5, c3, d14), (a54, b5, c3, d15), (a54, b5, c3, d16), (a54
, b5, c3, d17), (a54, b5, c3, d18), (a54, b5, c3, d19), (a54, b5, c3, d20), (a54
, b5, c3, d21), (a54, b5, c3, d22), (a54, b6, c1, d1), (a54, b6, c1, d2), (a54,
b6, c1, d3), (a54, b6, c1, d4), (a54, b6, c1, d5), (a54, b6, c1, d6), (a54, b6,
c1, d7), (a54, b6, c1, d8), (a54, b6, c1, d9), (a54, b6, c1, d10), (a54, b6, c1,
d11), (a54, b6, c1, d12), (a54, b6, c1, d13), (a54, b6, c 1, d14), (a54, b6, c1
, d15), (a54, b6, c1, d16), (a54, b6, c1, d17), (a54, b6, c1, d18), (a54, b6, c1
, d19), (a54, b6, c1, d20), (a54, b6, c1, d21), (a54, b6, c1, d22), (a54, b6, c2
, d1), (a54, b6, c2, d2), (a54, b6, c2, d3), (a54, b6, c2, d4), (a54, b6, c 2, d
5), (a54, b6, c2, d6), (a54, b6, c2, d7), (a54, b6, c2, d8), (a54, b6, c2, d9),
(a54, b6, c2, d10), (a54, b6, c2, d11), (a54, b6, c2, d12), (a54, b6, c2, d13),
(a54, b6, c2, d14), (a54, b6, c2, d15), (a54, b6, c2, d16), (a54, b6, c2, d17),
(a54, b6, c2 , d18), (a54, b6, c2, d19), (a54, b6, c2, d20), (a54, b6, c2, d21),
(a54, b6, c2, d22), (a54, b6, c3, d1), (a54, b6, c3, d2), (a54, b6, c3, d3), (a
54, b6, c3, d4), (a54, b6, c3, d5), (a54, b6, c3, d6), (a54, b6, c3, d7), (a54,
b6, c3, d8), (a54, b6, c3, d9), (a54, b6, c3, d10), (a54, b6, c3, d11), (a54, b
6, c3, d12), (a54, b6, c3, d13), (a54, b6, c3, d14), (a54, b6, c3, d15), (a54, b
6, c3, d16), (a54, b6, c3, d17), (a54, b6, c3, d18), (a54, b6, c3, d19), (a54, b
6, c3, d20), (a54, b6, c3, d21), (a54, b6, c3, d22), (a55, b1, c1, d1), (a55, b
1, c1, d2), (a55, b1, c1, d3), (a55, b1, c1, d4), (a55, b1, c1, d5), (a55, b1, c
1, d6), (a55, b1, c1, d7), (a55, b1, c1, d8), (a55, b1, c1, d9), (a55, b1, c1, d
10), (a55, b1, c1, d11), (a55, b1, c1, d12), (a55, b1, c1, d13) , (a55, b1, c1,
d14), (a55, b1, c1, d15), (a55, b1, c1, d16), (a55, b1, c1, d17), (a55, b1, c1,
d18), (a55, b1, c1, d19), (a55, b1, c1, d20), (a55, b1, c1, d21), (a55, b1, c1,
d22), (a55, b1, c2, d1), (a55, b1, c2, d2), (a55, b1, c2, d3), (a55, b1, c2, d4)
, (a55, b1, c2, d5), (a55, b1, c2, d6), (a55, b1, c2, d7), (a55, b1, c2, d8), (
a55, b1, c2, d9), (a55, b1, c2, d10), (a55, b1, c2, d11), (a55, b1, c2, d12), (a
55, b1, c2, d13), (a55, b1, c2, d14), (a55, b1, c2, d15), (a55, b1, c2, d16), (a
55, b1, c2, d17), (a55, b1, c2, d18), (a55, b1, c2, d19), (a55, b1, c2, d20), (
a55, b1, c2, d21), (a55, b1, c2, d22), (a55, b1, c3, d1), (a55, b1, c3, d2), (a5
5, b1, c3, d3), (a55, b1, c3, d4), (a55, b1, c3, d5), (a55, b1, c3, d6), (a55, b
1, c3, d7), (a55, b1, c3, d8), (a5 5, b1, c3, d9), (a55, b1, c3, d10), (a55, b1,
c3, d11), (a55, b1, c3, d12), (a55, b1, c3, d13), (a55, b1, c3, d14), (a55, b1,
c3, d15), (a55, b1, c3, d16), (a55, b1, c3, d17), (a55, b1, c3, d18), (a55, b1,
c3, d19), (a55, b1, c3, d20), (a55, b1, c3, d21), (a55, b1, c3, d22), (a55, b2,
c1, d1), (a55, b2, c1, d2), (a55, b2, c1, d3), (a55, b2, c1, d4), (a55, b2, c1,
d5), (a55, b2, c1, d6), (a55, b2, c1, d7), (a55, b2, c1, d8), (a55, b2, c1, d9)
, (a55, b2, c1, d10), (a55, b2, c1, d11), (a55, b2, c1, d12), (a55, b2, c1, d13
), (a55, b2, c1, d14), (a55, b2, c1, d15), (a55, b2, c1, d16), (a55, b2, c1, d17
), (a55, b2, c1, d18), (a55, b2, c1, d19), (a55, b2, c1, d20), (a55, b2, c1, d21

), (a55, b2, c1, d22), (a55, b2, c2, d1), (a55, b2, c2, d2), (a55, b2, c2, d3), (a55 , b2, c2, d4), (a55, b2, c2, d5), (a55, b2, c2, d6), (a55, b2, c2, d7), (a55, b2, c2, d8), (a55, b2, c2, d9), (a55, b2, c2, d10), (a55, b2, c2, d11), (a55, b2, c2, d12), (a55, b2, c2, d13), (a55, b2, c2, d14), (a55, b2, c2, d15), (a55, b2, c2, d16), (a55, b2, c2, d17), (a55, b2, c2, d18), (a55, b2, c2, d19), (a55, b2, c2, d20), (a55, b2, c2, d21), (a55, b2, c2, d22), (a55, b2, c3, d1), (a55, b2, c3, d2), (a55, b2, c3, d3), (a55, b2, c3, d4), (a55, b2, c3, d5), (a55, b2, c3, d6), (a55, b2, c3, d7), (a55, b2, c3, d8), (a55, b2, c3, d9), (a55, b2, c3, d10), (a55, b2, c3, d11), (a55, b2, c3, d12), (a55, b2, c3, d13), (a55, b2, c3, d14), (a55, b2, c3, d15), (a55, b2, c3, d16), (a55, b2, c3, d17), (a55, b2, c3, d18), (a55, b2, c3, d19), (a55, b2, c3, d20), (a55, b 2, c3, d21), (a55, b2, c3 , d22), (a55, b3, c1, d1), (a55, b3, c1, d2), (a55, b3, c1, d3), (a55, b3, c1, d 4), (a55, b3, c1, d5), (a55, b3, c1, d6), (a55, b3, c1, d7), (a55, b3, c1, d8), (a55, b3, c1, d9), (a55, b3, c1, d10), (a55, b3, c1, d11), (a55, b3, c1 , d12), (a55, b3, c1, d13), (a55, b3, c1, d14), (a55, b3, c1, d15), (a55, b3, c1, d16), (a55, b3, c1, d17), (a55, b3, c1, d18), (a55, b3, c1, d19), (a55, b3, c1, d20), (a55, b3, c1, d21), (a55, b3, c1, d22), (a55, b3, c2, d1), (a55, b3, c2, d2), (a 55, b3, c2, d3), (a55, b3, c2, d4), (a55, b3, c2, d5), (a55, b3, c2, d6), (a55, b3, c2, d7), (a55, b3, c2, d8), (a55, b3, c2, d9), (a55, b3, c2, d10), (a55, b3, c2, d11), (a55, b3, c2, d12), (a55, b3, c2, d13), (a55, b3, c2, d14), (a55, b3, c2, d15), (a55, b3, c2, d16), (a55, b3, c2, d17), (a55, b3, c2, d18), (a55, b3, c2, d19), (a55, b3, c2, d20), (a55, b3, c2, d21), (a55, b3, c2, d22), (a55, b3, c3, d1), (a55, b3, c3, d2), (a55, b3, c3, d3), (a55, b3, c3, d4), (a55, b3, c3, d5), (a55, b3, c3, d6), (a55, b3, c3, d 7), (a55, b3, c3, d8), (a55, b3, c3, d9), (a55, b3, c3, d10), (a55, b3, c3, d11), (a55, b3, c3, d12), (a55, b3, c3, d13), (a55, b3, c3, d14), (a55, b3, c3, d15), (a55, b3, c3, d16), (a55, b3, c3, d17), (a55, b3, c3, d18), (a55, b3, c3, d19), (a55, b3, c3, d20), (a55, b3, c3, d21), (a55, b3, c3, d22), (a55, b4, c1, d1), (a55, b4, c1, d2), (a55, b4, c1, d3), (a55, b4, c1, d4), (a55, b4, c1, d5), (a55, b4, c1, d6), (a55, b4, c1, d7), (a55 , b4, c1, d8), (a55, b4, c1, d9), (a55, b4, c1, d10), (a55, b4, c1, d11), (a55, b4, c1, d12), (a55, b4, c1, d13), (a55, b4, c1, d14), (a55, b4, c1, d15), (a55, b4, c1, d16), (a55, b4, c1, d17), (a55, b4, c1, d18), (a55, b4, c1, d19), (a55, b4, c1, d20), (a55, b4, c1, d21), (a55, b4, c1, d22), (a55, b4, c2, d1), (a55, b4, c2, d2), (a55, b4, c2, d3), (a55, b4, c2, d4), (a55, b4, c2, d5), (a55, b4, c2, d6), (a55, b4, c2, d7), (a55, b4, c2, d8), (a55, b4, c2, d9), (a55, b4, c2, d10), (a55, b4, c2, d11), (a55, b4, c2, d12), (a55, b4, c2, d13), (a55, b4, c2, d14), (a55, b4, c2, d15), (a55, b4, c2, d16), (a55, b4, c2, d17), (a55, b4, c2, d18), (a55, b4, c2, d19), (a55, b4, c2, d20), (a55, b4, c2, d21), (a55, b4, c2, d22), (a55, b4, c3, d1), (a55, b4, c3, d2), (a55, b4, c3, d3), (a55, b4, c3, d4), (a55, b4, c3, d5), (a55, b4, c3, d6), (a 55, b4, c3, d7), (a55, b4, c3, d8), (a55, b4, c3, d9), (a55, b4, c3, d10), (a55, b4, c3, d11), (a55, b4, c3, d12), (a55, b4, c3, d13), (a55, b4, c3, d14), (a55, b4, c3, d15), (a55, b4, c3, d16), (a55, b4, c3, d17), (a55, b4, c3, d18), (a55, b4, c3, d19), (a55, b4, c3, d20), (a55, b4, c3, d21), (a55, b4, c3, d22), (a55, b5, c1, d1), (a55, b5, c1, d2), (a 55, b5, c1, d3), (a55, b5, c1, d4), (a55, b5, c1, d5), (a55, b5, c1, d6), (a55, b5, c1, d7), (a55, b5, c1, d8), (a55, b5, c1, d9), (a55, b5, c1, d10), (a55, b5, c1, d11), (a55, b5, c1, d12), (a55, b5, c1, d13), (a55, b5, c1, d14), (a55, b5, c1, d15), (a55, b5, c1, d16), (a55, b5, c1, d17), (a55, b5, c1, d18), (a55, b5, c1, d19), (a55, b5, c1, d20), (a55, b5, c1, d21), (a55, b5, c1, d22), (a55, b5,

c2, d1), (a5 5, b5, c2, d2), (a55, b5, c2, d3), (a55, b5, c2, d4), (a55, b5, c2
, d5), (a55, b5, c2, d6), (a55, b5, c2, d7), (a55, b5, c2, d8), (a55, b5, c2, d9
), (a55, b5, c2, d10), (a55, b5, c2, d11), (a55, b5, c2, d12), (a55, b5, c2, d13
), (a55, b5, c2, d14), (a55, b 5, c2, d15), (a55, b5, c2, d16), (a55, b5, c2, d1
7), (a55, b5, c2, d18), (a55, b5, c2, d19), (a55, b5, c2, d20), (a55, b5, c2, d2
1), (a55, b5, c2, d22), (a55, b5, c3, d1), (a55, b5, c3, d2), (a55, b5, c3, d3),
(a55, b5, c3, d4), (a55, b5, c3, d5), (a55, b5 , c3, d6), (a55, b5, c3, d7), (a
55, b5, c3, d8), (a55, b5, c3, d9), (a55, b5, c3, d10), (a55, b5, c3, d11), (a55
, b5, c3, d12), (a55, b5, c3, d13), (a55, b5, c3, d14), (a55, b5, c3, d15), (a55
, b5, c3, d16), (a55, b5, c3, d17), (a55, b5, c3, d18), (a55, b5 , c3, d19), (a5
5, b5, c3, d20), (a55, b5, c3, d21), (a55, b5, c3, d22), (a55, b6, c1, d1), (a55
, b6, c1, d2), (a55, b6, c1, d3), (a55, b6, c1, d4), (a55, b6, c1, d5), (a55, b6
, c1, d6), (a55, b6, c1, d7), (a55, b6, c1, d8), (a55, b6, c1, d9), (a55, b6, c1
, d10), (a55, b6, c1, d11), (a55, b6, c1, d12), (a55, b6, c1, d13), (a55, b6, c
1, d14), (a55, b6, c1, d15), (a55, b6, c1, d16), (a55, b6, c1, d17), (a55, b6, c
1, d18), (a55, b6, c1, d19), (a55, b6, c1, d20), (a55, b6, c1, d21), (a55, b6, c
1, d22), (a55, b6, c2, d1), (a55, b6, c2, d2), (a55, b6, c2, d3), (a55, b6, c2,
d4), (a55, b6, c2, d5), (a55, b6, c2, d6), (a55, b6, c2, d7), (a55, b6, c2, d8)
, (a55, b6, c2, d9), (a55, b6, c2, d10), (a55, b6, c2, d11), (a55, b6, c2, d12),
(a55, b6, c2, d13), (a55, b6, c2, d14), (a55, b6, c2, d15), (a55, b6, c2, d16),
(a55, b6, c2, d17), (a55, b6, c2, d18), (a55, b6, c2, d19), (a55, b6, c2, d20),
(a55, b6, c2, d21), (a55, b6, c2, d22), (a55, b6, c3, d1), (a55, b6, c3, d2), (
a55, b6, c3, d3), (a55, b6, c3, d4), (a55, b6, c3, d5), (a55, b6, c3, d6), (a55,
b6, c3, d7), (a55, b6, c3, d8), (a55, b6, c3, d9), (a55, b6, c3, d10), (a55, b6
, c3, d11), (a55, b6, c3, d12), (a55, b6, c3, d13), (a55, b6, c3, d14), (a55, b6
, c3, d15), (a55, b6, c3, d16), (a55, b6, c3, d17), (a55, b6, c3, d 18), (a55, b
6, c3, d19), (a55, b6, c3, d20), (a55, b6, c3, d21), (a55, b6, c3, d22), (a56, b
1, c1, d1), (a56, b1, c1, d2), (a56, b1, c1, d3), (a56, b1, c1, d4), (a56, b1, c
1, d5), (a56, b1, c1, d6), (a56, b1, c1, d7), (a56, b1, c1, d8), (a56, b1, c1, d
9), (a56, b1, c1, d10), (a56, b1, c1, d11), (a56, b1, c1, d12), (a56, b1, c1, d1
3), (a56, b1, c1, d14), (a56, b1, c1, d15), (a56, b1, c1, d16), (a56, b1, c1, d1
7), (a56, b1, c1, d18), (a56, b1, c1, d19), (a56, b1, c1, d20), (a56, b1, c1, d2
1), (a56, b1, c1, d2 2), (a56, b1, c2, d1), (a56, b1, c2, d2), (a56, b1, c2, d3)
, (a56, b1, c2, d4), (a56, b1, c2, d5), (a56, b1, c2, d6), (a56, b1, c2, d7), (a
56, b1, c2, d8), (a56, b1, c2, d9), (a56, b1, c2, d10), (a56, b1, c2, d11), (a56
, b1, c2, d12), (a56, b1, c2, d13), (a56, b1, c2, d14), (a56, b1, c2, d15), (a5
6, b1, c2, d16), (a56, b1, c2, d17), (a56, b1, c2, d18), (a56, b1, c2, d19), (a5
6, b1, c2, d20), (a56, b1, c2, d21), (a56, b1, c2, d22), (a56, b1, c3, d1), (a56
, b1, c3, d2), (a56, b1, c3, d3), (a56, b1, c3, d4), (a56, b1, c3, d5), (a56, b
1, c3, d6), (a56, b1, c3, d7), (a56, b1, c3, d8), (a56, b1, c3, d9), (a56, b1, c
3, d10), (a56, b1, c3, d11), (a56, b1, c3, d12), (a56, b1, c3, d13), (a56, b1, c
3, d14), (a56, b1, c3, d15), (a56, b1, c3, d16), (a56, b1, c3, d17), (a 56, b1,
c3, d18), (a56, b1, c3, d19), (a56, b1, c3, d20), (a56, b1, c3, d21), (a56, b1,
c3, d22), (a56, b2, c1, d1), (a56, b2, c1, d2), (a56, b2, c1, d3), (a56, b2, c1,
d4), (a56, b2, c1, d5), (a56, b2, c1, d6), (a56, b2, c1, d7), (a56, b2, c1, d8)
, (a56, b2, c1, d9), (a56, b2, c1, d10), (a56, b2, c1, d11), (a56, b2, c1, d12),
(a56, b2, c1, d13), (a56, b2, c1, d14), (a56, b2, c1, d15), (a56, b2, c1, d16),
(a56, b2, c1, d17), (a56, b2, c1, d18), (a56, b2, c1, d19), (a56, b2, c1, d20),
(a56, b2, c1, d21), (a5 6, b2, c1, d22), (a56, b2, c2, d1), (a56, b2, c2, d2),
(a56, b2, c2, d3), (a56, b2, c2, d4), (a56, b2, c2, d5), (a56, b2, c2, d6), (a56

, b2, c2, d7), (a56, b2, c2, d8), (a56, b2, c2, d9), (a56, b2, c2, d10), (a56, b
2, c2, d11), (a56, b2, c2, d12), (a56, b2 , c2, d13), (a56, b2, c2, d14), (a56,
b2, c2, d15), (a56, b2, c2, d16), (a56, b2, c2, d17), (a56, b2, c2, d18), (a56,
b2, c2, d19), (a56, b2, c2, d20), (a56, b2, c2, d21), (a56, b2, c2, d22), (a56,
b2, c3, d1), (a56, b2, c3, d2), (a56, b2, c3, d3), (a56, b 2, c3, d4), (a56, b2,
c3, d5), (a56, b2, c3, d6), (a56, b2, c3, d7), (a56, b2, c3, d8), (a56, b2, c3,
d9), (a56, b2, c3, d10), (a56, b2, c3, d11), (a56, b2, c3, d12), (a56, b2, c3,
d13), (a56, b2, c3, d14), (a56, b2, c3, d15), (a56, b2, c3, d16), (a56, b2, c3,
d17), (a56, b2, c3, d18), (a56, b2, c3, d19), (a56, b2, c3, d20), (a56, b2, c3,
d21), (a56, b2, c3, d22), (a56, b3, c1, d1), (a56, b3, c1, d2), (a56, b3, c1, d
3), (a56, b3, c1, d4), (a56, b3, c1, d5), (a56, b3, c1, d6), (a56, b3, c1, d7),
(a56, b3, c1 , d8), (a56, b3, c1, d9), (a56, b3, c1, d10), (a56, b3, c1, d11), (
a56, b3, c1, d12), (a56, b3, c1, d13), (a56, b3, c1, d14), (a56, b3, c1, d15), (
a56, b3, c1, d16), (a56, b3, c1, d17), (a56, b3, c1, d18), (a56, b3, c1, d19), (
a56, b3, c1, d20), (a56, b3, c1, d21), (a56, b3, c1, d22), (a56, b3, c2, d1), (a
56, b3, c2, d2), (a56, b3, c2, d3), (a56, b3, c2, d4), (a56, b3, c2, d5), (a56,
b3, c2, d6), (a56, b3, c2, d7), (a56, b3, c2, d8), (a56, b3, c2, d9), (a56, b3,
c2, d10), (a56, b3, c2, d11), (a56, b3, c2, d 12), (a56, b3, c2, d13), (a56, b3,
c2, d14), (a56, b3, c2, d15), (a56, b3, c2, d16), (a56, b3, c2, d17), (a56, b3,
c2, d18), (a56, b3, c2, d19), (a56, b3, c2, d20), (a56, b3, c2, d21), (a56, b3,
c2, d22), (a56, b3, c3, d1), (a56, b3, c3, d2), (a56, b3, c3, d3), (a56, b3, c
3, d4), (a56, b3, c3, d5), (a56, b3, c3, d6), (a56, b3, c3, d7), (a56, b3, c3, d
8), (a56, b3, c3, d9), (a56, b3, c3, d10), (a56, b3, c3, d11), (a56, b3, c3, d12
), (a56, b3, c3, d13), (a56, b3, c3, d14), (a56, b3, c3, d15), (a56, b3, c3, d1
6), (a56, b3, c3, d17), (a56, b3, c3, d18), (a56, b3, c3, d19), (a56, b3, c3, d2
0), (a56, b3, c3, d21), (a56, b3, c3, d22), (a56, b4, c1, d1), (a56, b4, c1, d2)
, (a56, b4, c1, d3), (a56, b4, c1, d4), (a56, b4, c1, d5), (a56, b4, c1, d6), (a
56, b4, c1, d7), (a56, b4, c1, d8), (a56, b4, c1, d9), (a56, b4, c1, d10), (a56
, b4, c1, d11), (a56, b4, c1, d12), (a56, b4, c1, d13), (a56, b4, c1, d14), (a56
, b4, c1, d15), (a56, b4, c1, d16), (a56, b4, c1, d17), (a56, b4, c1, d18), (a56
, b4, c1, d19), (a56, b4, c1, d20), (a56, b4, c1, d21), (a56, b4, c1, d22), (a5
6, b4, c2, d1), (a56, b4, c2, d2), (a56, b4, c2, d3), (a56, b4, c2, d4), (a56, b
4, c2, d5), (a56, b4, c2, d6), (a56, b4, c2, d7), (a56, b4, c2, d8), (a56, b4, c
2, d9), (a56, b4, c2, d10), (a56, b4, c2, d11), (a 56, b4, c2, d12), (a56, b4, c
2, d13), (a56, b4, c2, d14), (a56, b4, c2, d15), (a56, b4, c2, d16), (a56, b4, c
2, d17), (a56, b4, c2, d18), (a56, b4, c2, d19), (a56, b4, c2, d20), (a56, b4, c
2, d21), (a56, b4, c2, d22), (a56, b4, c3, d1), (a56, b4, c3, d2), (a56, b4, c3,
d3), (a56, b4, c3, d4), (a56, b4, c3, d5), (a56, b4, c3, d6), (a56, b4, c3, d7)
, (a56, b4, c3, d8), (a56, b4, c3, d9), (a56, b4, c3, d10), (a56, b4, c3, d11),
(a56, b4, c3, d12), (a56, b4, c3, d13), (a56, b4, c3, d14), (a56, b4, c3, d15),
(a5 6, b4, c3, d16), (a56, b4, c3, d17), (a56, b4, c3, d18), (a56, b4, c3, d19),
(a56, b4, c3, d20), (a56, b4, c3, d21), (a56, b4, c3, d22), (a56, b5, c1, d1),
(a56, b5, c1, d2), (a56, b5, c1, d3), (a56, b5, c1, d4), (a56, b5, c1, d5), (a56
, b5, c1, d6), (a56, b5, c1, d7), (a56, b5, c1, d8), (a56, b5, c1, d9), (a56, b
5, c1, d10), (a56, b5, c1, d11), (a56, b5, c1, d12), (a56, b5, c1, d13), (a56, b
5, c1, d14), (a56, b5, c1, d15), (a56, b5, c1, d16), (a56, b5, c1, d17), (a56, b
5, c1, d18), (a56, b5, c1, d19), (a56 , b5, c1, d20), (a56, b5, c1, d21), (a56,
b5, c1, d22), (a56, b5, c2, d1), (a56, b5, c2, d2), (a56, b5, c2, d3), (a56, b5,

c2, d4), (a56, b5, c2, d5), (a56, b5, c2, d6), (a56, b5, c2, d7), (a56, b5, c2,

d8), (a56, b5, c2, d9), (a56, b5, c2, d10), (a56, b5, c2, d11), (a56, b5, c2, d12), (a56, b5, c2, d13), (a56, b5, c2, d14), (a56, b5, c2, d15), (a56, b5, c2, d16), (a56, b5, c2, d17), (a56, b5, c2, d18), (a56, b5, c2, d19), (a56, b5, c2, d20), (a56, b5, c2, d21), (a56, b5, c2, d22), (a56, b5, c3, d1), (a56, b5, c3, d2), (a56, b5, c3, d3), (a56, b5, c3, d4), (a56, b5, c3, d5), (a56, b5, c3, d6), (a56, b5, c3, d7), (a56, b5, c3, d8), (a56, b5, c3, d9), (a56, b5, c3, d10), (a56, b5, c3, d11), (a56, b5, c3, d12), (a56, b5, c3, d13), (a56, b5, c3, d14), (a56, b5, c3, d15), (a56, b5, c3, d16), (a56, b5, c3, d17), (a56, b5, c3, d18), (a56, b5, c3, d19), (a56, b5, c3, d20), (a56, b5, c3, d21), (a56, b5, c3, d22), (a56, b6, c1, d1), (a56, b6, c1, d2), (a56, b6, c1, d3), (a56, b6, c1, d4), (a56, b6, c1, d5), (a56, b6, c 1, d6), (a56, b6, c1, d7), (a56, b6, c1, d8), (a56, b6, c 1, d9), (a56, b6, c1, d10), (a56, b6, c1, d11), (a56, b6, c1, d12), (a56, b6, c1, d13), (a56, b6, c1, d14), (a56, b6, c1, d15), (a56, b6, c1, d16), (a56, b6, c1, d17), (a56, b6, c1, d18), (a56, b6, c 1, d19), (a56, b6, c1, d20), (a56, b6, c 1, d21), (a56, b6, c1, d22), (a56, b6, c2, d1), (a56, b6, c2, d2), (a56, b6, c2, d3), (a56, b6, c2, d4), (a56, b6, c2, d5), (a56, b6, c2, d6), (a56, b6, c2, d7), (a56, b6, c2, d8), (a56, b6, c2, d9), (a56, b6, c2, d1 0), (a56, b6, c2, d11), (a56, b6, c2, d12), (a56, b6, c2, d13), (a56, b6, c2, d14), (a56, b6, c2, d15), (a56, b6, c2, d16), (a56, b6, c2, d17), (a56, b6, c2, d18), (a56, b6, c2, d19), (a56, b6, c2, d20), (a56, b6, c2, d21), (a56, b6, c2, d22), (a56, b6, c3 , d1), (a56, b6, c3, d2), (a56, b6, c3, d3), (a56, b6, c3, d4), (a56, b6, c3, d5), (a56, b6, c3, d6), (a56, b6, c3, d7), (a56, b6, c3, d8), (a56, b6, c3, d9), (a56, b6, c3, d10), (a56, b6, c3, d11), (a56, b6, c3, d12), (a56, b6, c3, d13), (a56, b6, c3, d14), (a56, b6, c3, d15), (a56, b6, c3, d16), (a56, b6, c3, d17), (a56, b6, c3, d18), (a56, b6, c3, d19), (a56, b6, c3, d20), (a56, b6, c3, d21), (a56, b6, c3, d22), (a57, b1, c1, d1), (a57, b1, c1, d2), (a57, b1, c1, d3), (a57, b1, c1, d4), (a57, b1, c1, d5) , (a57, b1, c1, d6), (a57, b1, c1, d7), (a57, b1, c1, d8), (a57, b1, c1, d9), (a57, b1, c1, d10), (a57, b1, c1, d11), (a57, b1, c1, d12), (a57, b1, c1, d13), (a57, b1, c1, d14), (a57, b1, c1, d15), (a57, b1, c1, d16), (a57, b1, c1, d17), (a57, b1, c1, d18) , (a57, b1, c1, d19), (a57, b1, c1, d20), (a57, b1, c1, d21), (a57, b1, c1, d22), (a57, b1, c2, d1), (a57, b1, c2, d2), (a57, b1, c2, d3), (a57, b1, c2, d4), (a57, b1, c2, d5), (a57, b1, c2, d6), (a57, b1, c2, d7), (a57, b1, c2, d8), (a57, b1, c2, d9), (a5 7, b1, c2, d10), (a57, b1, c2, d11), (a57, b1, c2, d12), (a57, b1, c2, d13), (a57, b1, c2, d14), (a57, b1, c2, d15), (a57, b1, c2, d16), (a57, b1, c2, d17), (a57, b1, c2, d18), (a57, b1, c2, d19), (a57, b1, c2, d20), (a57, b1, c2, d21), (a57, b1, c2, d22), (a57, b1, c3, d1), (a57, b1, c3, d2), (a57, b1, c3, d3), (a57, b1, c3, d4), (a57, b1, c3, d5), (a57, b1, c3, d6), (a57, b1, c3, d7), (a57, b1, c3, d8), (a57, b1, c3, d9), (a57, b1, c3, d10), (a57, b1, c3, d11), (a57, b1, c3, d12), (a57, b1, c3, d13), (a57 , b1, c3, d14), (a57, b1, c3, d15), (a57, b1, c3, d16), (a57, b1, c3, d17), (a57, b1, c3, d18), (a57, b1, c3, d19), (a57, b1, c3, d20), (a57, b1, c3, d21), (a57, b1, c3, d22), (a57, b2, c1, d1), (a57, b2, c1, d2), (a57, b2, c1, d3), (a57, b2, c1, d4), (a57 , b2, c1, d5), (a57, b2, c1, d6), (a57, b2, c1, d7), (a57, b2, c1, d8), (a57, b2, c1, d9), (a57, b2, c1, d10), (a57, b2, c1, d11), (a57, b2, c1, d12), (a57, b2, c1, d13), (a57, b2, c1, d14), (a57, b2, c1, d15), (a57, b2, c1, d16), (a57, b2, c1, d17), (a57, b2, c1, d18), (a57, b2, c1, d19), (a57, b2, c1, d20), (a57, b2, c1, d21), (a57, b2, c1, d22), (a57, b2, c2, d1), (a57, b2, c2, d2), (a57, b2, c2, d3), (a57, b2, c2, d4), (a57, b2, c2, d5), (a57, b2, c2, d6), (a57, b2, c2, d7), (a57, b2, c2, d8), (a57, b2, c2, d9), (a5 7, b2, c2, d10), (a57, b2, c2, d11), (a57, b2, c2, d12), (a57, b2, c2, d13), (a5

7, b2, c2, d14), (a57, b2, c2, d15), (a57, b2, c2, d16), (a57, b2, c2, d17), (a5
7, b2, c2, d18), (a57, b2, c2, d19), (a57, b2, c2, d20), (a57, b2, c2, d21), (a5
7, b2, c2, d22), (a57, b2, c3, d1), (a57, b2, c3, d2), (a57, b2, c3, d3), (a57,
b2, c3, d4), (a57, b2, c3, d5), (a57, b2, c3, d6), (a57, b2, c3, d7), (a57, b2,
c3, d8), (a57, b2, c3, d9), (a57, b2, c3, d10), (a57, b2, c3, d11), (a57, b2, c3
, d12), (a57, b2, c 3, d13), (a57, b2, c3, d14), (a57, b2, c3, d15), (a57, b2, c
3, d16), (a57, b2, c3, d17), (a57, b2, c3, d18), (a57, b2, c3, d19), (a57, b2, c
3, d20), (a57, b2, c3, d21), (a57, b2, c3, d22), (a57, b3, c1, d1), (a57, b3, c1
, d2), (a57, b3, c1, d3), (a57, b3, c1, d4), (a57, b3, c1, d5), (a57, b3, c1, d6
), (a57, b3, c1, d7), (a57, b3, c1, d8), (a57, b3, c1, d9), (a57, b3, c1, d10),
(a57, b3, c1, d11), (a57, b3, c1, d12), (a57, b3, c1, d13), (a57, b3, c1, d14),
(a57, b3, c1, d15), (a57, b3, c1, d16), (a57, b3, c1 , d17), (a57, b3, c1, d18),
(a57, b3, c1, d19), (a57, b3, c1, d20), (a57, b3, c1, d21), (a57, b3, c1, d22),
(a57, b3, c2, d1), (a57, b3, c2, d2), (a57, b3, c2, d3), (a57, b3, c2, d4), (a5
7, b3, c2, d5), (a57, b3, c2, d6), (a57, b3, c2, d7), (a57, b3, c2, d 8), (a57,
b3, c2, d9), (a57, b3, c2, d10), (a57, b3, c2, d11), (a57, b3, c2, d12), (a57, b
3, c2, d13), (a57, b3, c2, d14), (a57, b3, c2, d15), (a57, b3, c2, d16), (a57, b
3, c2, d17), (a57, b3, c2, d18), (a57, b3, c2, d19), (a57, b3, c2, d20), (a57, b
3, c2, d21), (a57, b3, c2, d22), (a57, b3, c3, d1), (a57, b3, c3, d2), (a57, b3
, c3, d3), (a57, b3, c3, d4), (a57, b3, c3, d5), (a57, b3, c3, d6), (a57, b3, c3
, d7), (a57, b3, c3, d8), (a57, b3, c3, d9), (a57, b3, c3, d10), (a57, b3, c3, d
11), (a57, b3, c3, d12) , (a57, b3, c3, d13), (a57, b3, c3, d14), (a57, b3, c3,
d15), (a57, b3, c3, d16), (a57, b3, c3, d17), (a57, b3, c3, d18), (a57, b3, c3,
d19), (a57, b3, c3, d20), (a57, b3, c3, d21), (a57, b3, c3, d22), (a57, b4, c1,
d1), (a57, b4, c1, d2), (a57, b4, c1, d3), (a57, b4, c1, d4), (a57, b4, c1, d5)
, (a57, b4, c1, d6), (a57, b4, c1, d7), (a57, b4, c1, d8), (a57, b4, c1, d9), (a
57, b4, c1, d10), (a57, b4, c1, d11), (a57, b4, c1, d12), (a57, b4, c1, d13), (a
57, b4, c1, d14), (a57, b4, c1, d15), (a57, b4, c1, d16), (a57, b4, c1, d17), (
a57, b4, c1, d18), (a57, b4, c1, d19), (a57, b4, c1, d20), (a57, b4, c1, d21), (
a57, b4, c1, d22), (a57, b4, c2, d1), (a57, b4, c2, d2), (a57, b4, c2, d3), (a57
, b4, c2, d4), (a57, b4, c2, d5), (a57, b4, c2, d6), (a57, b4, c2, d7), (a 57, b
4, c2, d8), (a57, b4, c2, d9), (a57, b4, c2, d10), (a57, b4, c2, d11), (a57, b4,
c2, d12), (a57, b4, c2, d13), (a57, b4, c2, d14), (a57, b4, c2, d15), (a57, b4,
c2, d16), (a57, b4, c2, d17), (a57, b4, c2, d18), (a57, b4, c2, d19), (a57, b4,
c2, d20), (a57, b4, c2, d21), (a57, b4, c2, d22), (a57, b4, c3, d1), (a57, b4,
c3, d2), (a57, b4, c3, d3), (a57, b4, c3, d4), (a57, b4, c3, d5), (a57, b4, c3,
d6), (a57, b4, c3, d7), (a57, b4, c3, d8), (a57, b4, c3, d9), (a57, b4, c3, d10)
, (a57, b4, c3, d11), (a57, b4, c3, d12), (a57, b4, c3, d13), (a57, b4, c3, d14
), (a57, b4, c3, d15), (a57, b4, c3, d16), (a57, b4, c3, d17), (a57, b4, c3, d18
), (a57, b4, c3, d19), (a57, b4, c3, d20), (a57, b4, c3, d21), (a57, b4, c3, d22
), (a57, b5, c1, d1), (a57, b5, c1, d2), (a5 7, b5, c1, d3), (a57, b5, c1, d4),
(a57, b5, c1, d5), (a57, b5, c1, d6), (a57, b5, c1, d7), (a57, b5, c1, d8), (a57
, b5, c1, d9), (a57, b5, c1, d10), (a57, b5, c1, d11), (a57, b5, c1, d12), (a57,
b5, c1, d13), (a57, b5, c1, d14), (a57, b5, c1, d15), (a57, b5, c1, d16), (a57,
b5, c1, d17), (a57, b5, c1, d18), (a57, b5, c1, d19), (a57, b5, c1, d20), (a57,
b5, c1, d21), (a57, b5, c1, d22), (a57, b5, c2, d1), (a57, b5, c2, d2), (a57, b
5, c2, d3), (a57, b5, c2, d4), (a57, b5, c2, d5), (a57, b5, c2, d6), (a57, b5 ,
c2, d7), (a57, b5, c2, d8), (a57, b5, c2, d9), (a57, b5, c2, d10), (a57, b5, c2,
d11), (a57, b5, c2, d12), (a57, b5, c2, d13), (a57, b5, c2, d14), (a57, b5, c2,
d15), (a57, b5, c2, d16), (a57, b5, c2, d17), (a57, b5, c2, d18), (a57, b5, c2,

d19), (a57, b 5, c2, d20), (a57, b5, c2, d21), (a57, b5, c2, d22), (a57, b5, c3
, d1), (a57, b5, c3, d2), (a57, b5, c3, d3), (a57, b5, c3, d4), (a57, b5, c3, d5
), (a57, b5, c3, d6), (a57, b5, c3, d7), (a57, b5, c3, d8), (a57, b5, c3, d9), (
a57, b5, c3, d10), (a57, b5, c3 , d11), (a57, b5, c3, d12), (a57, b5, c3, d13),
(a57, b5, c3, d14), (a57, b5, c3, d15), (a57, b5, c3, d16), (a57, b5, c3, d17),
(a57, b5, c3, d18), (a57, b5, c3, d19), (a57, b5, c3, d20), (a57, b5, c3, d21),
(a57, b5, c3, d22), (a57, b6, c1, d1), (a57, b6, c1, d2), (a57, b6, c1, d3), (a
57, b6, c1, d4), (a57, b6, c1, d5), (a57, b6, c1, d6), (a57, b6, c1, d7), (a57,
b6, c1, d8), (a57, b6, c1, d9), (a57, b6, c1, d10), (a57, b6, c1, d11), (a57, b6
, c1, d12), (a57, b6, c1, d13), (a57, b6, c1, d14), (a57, b6, c1, d15), (a57, b
6, c1, d16), (a57, b6, c1, d17), (a57, b6, c1, d18), (a57, b6, c1, d19), (a57, b
6, c1, d20), (a57, b6, c1, d21), (a57, b6, c1, d22), (a57, b6, c2, d1), (a57, b6
, c2, d2), (a57, b6, c2, d3), (a57, b6, c2, d4), (a57, b6, c2, d5), (a57, b6, c2
, d6), (a57, b6, c2, d7), (a57, b6, c2, d8), (a57, b6, c2, d9), (a57, b6, c2, d1
0), (a57, b6, c2, d11), (a57, b6, c2, d12), (a57, b6, c2, d13), (a57, b6, c2, d1
4), (a57, b6, c2, d15), (a57, b6, c2, d16), (a57, b6, c2, d17), (a57, b6, c2, d1
8), (a57, b6, c2, d19), (a57, b6, c2, d20), (a57, b6, c2, d21), (a57, b6, c2, d2
2), (a57, b6, c3, d1), (a57, b6, c3, d2), (a57, b6, c3, d3), (a57, b6, c3, d4),
(a57, b6, c3, d5), (a57, b6, c3, d6), (a57, b6, c3, d7), (a57, b6, c3, d8), (a57
, b6, c3, d9), (a57, b6, c3, d10), (a57, b6, c3, d11), (a57, b6, c3, d12), (a57
, b6, c3, d13), (a57, b6, c3, d14), (a57, b6, c3, d15), (a57, b6, c3, d16), (a57
, b6, c3, d17), (a57, b6, c3, d18), (a57, b6, c3, d19), (a57, b6, c3, d20), (a57
, b6, c3, d21), (a57, b6, c3, d22), (a58, b1, c1, d 1), (a58, b1, c1, d2), (a58,
b1, c1, d3), (a58, b1, c1, d4), (a58, b1, c1, d5), (a58, b1, c1, d6), (a58, b1,
c1, d7), (a58, b1, c1, d8), (a58, b1, c1, d9), (a58, b1, c1, d10), (a58, b1, c1
, d11), (a58, b1, c1, d12), (a58, b1, c1, d13), (a58, b1, c1, d14), (a58, b1, c1
, d15), (a58, b1, c1, d16), (a58, b1, c1, d17), (a58, b1, c1, d18), (a58, b1, c1
,
d19), (a58, b1, c1, d20), (a58, b1, c1, d21), (a58, b1, c1, d22), (a58, b1, c2,
d1), (a58, b1, c2, d2), (a58, b1, c2, d3), (a58, b1, c2, d4), (a58, b1, c2, d5)
, (a58, b1, c2, d6), (a58, b1, c2, d7), (a58, b1, c2, d8), (a58, b1, c2, d9), (
a58, b1, c2, d10), (a58, b1, c2, d11), (a58, b1, c2, d12), (a58, b1, c2, d13), (
a58, b1, c2, d14), (a58, b1, c2, d15), (a58, b1, c2, d16), (a58, b1, c2, d17), (
a58, b1, c2, d18), (a58, b1, c2, d19), (a58, b1, c2, d20), (a58, b1, c2, d21),
(a58, b1, c2, d22), (a58, b1, c3, d1), (a58, b1, c3, d2), (a58, b1, c3, d3), (a5
8, b1, c3, d4), (a58, b1, c3, d5), (a58, b1, c3, d6), (a58, b1, c3, d7), (a58, b
1, c3, d8), (a58, b1, c3, d9), (a58, b1, c3, d10), (a58, b1, c3, d11), (a58, b1,
c3, d12), (a58, b1, c3, d13), (a58, b1, c3, d14), (a58, b1, c3, d15), (a58, b1,
c3, d16), (a58, b1, c3, d17), (a58, b1, c3, d18), (a58, b1, c3, d19), (a58, b1,
c3, d20), (a58, b1, c3, d21), (a58, b1, c3, d22), (a 58, b2, c1, d1), (a58, b2,
c1, d2), (a58, b2, c1, d3), (a58, b2, c1, d4), (a58, b2, c1, d5), (a58, b2, c1,
d6), (a58, b2, c1, d7), (a58, b2, c1, d8), (a58, b2, c1, d9), (a58, b2, c1, d10
), (a58, b2, c1, d11), (a58, b2, c1, d12), (a58, b2, c1, d13), (a58, b 2, c1, d1
4), (a58, b2, c1, d15), (a58, b2, c1, d16), (a58, b2, c1, d17), (a58, b2, c1, d1
8), (a58, b2, c1, d19), (a58, b2, c1, d20), (a58, b2, c1, d21), (a58, b2, c1, d2
2), (a58, b2, c2, d1), (a58, b2, c2, d2), (a58, b2, c2, d3), (a58, b2, c2, d4),
(a58, b 2, c2, d5), (a58, b2, c2, d6), (a58, b2, c2, d7), (a58, b2, c2, d8), (a5
8, b2, c2, d9), (a58, b2, c2, d10), (a58, b2, c2, d11), (a58, b2, c2, d12), (a58
, b2, c2, d13), (a58, b2, c2, d14), (a58, b2, c2, d15), (a58, b2, c2, d16), (a58
, b2, c2, d17), (a58, b2 , c2, d18), (a58, b2, c2, d19), (a58, b2, c2, d20), (a5

8, b2, c2, d21), (a58, b2, c2, d22), (a58, b2, c3, d1), (a58, b2, c3, d2), (a58, b2, c3, d3), (a58, b2, c3, d4), (a58, b2, c3, d5), (a58, b2, c3, d6), (a58, b2, c3, d7), (a58, b2, c3, d8), (a58, b2, c3 , d9), (a58, b2, c3, d10), (a58, b2, c3, d11), (a58, b2, c3, d12), (a58, b2, c3, d13), (a58, b2, c3, d14), (a58, b2, c3, d15), (a58, b2, c3, d16), (a58, b2, c3, d17), (a58, b2, c3, d18), (a58, b2, c3, d19), (a58, b2, c3, d20), (a58, b2, c3, d21), (a58, b2, c3, d22), (a58, b3, c1, d1), (a58, b3, c1, d2), (a58, b3, c1, d3), (a58, b3, c1, d4), (a58, b3, c1, d5), (a58, b3, c1, d6), (a58, b3, c1, d7), (a58, b3, c1, d8), (a58, b3, c1, d9), (a58, b3, c1, d10), (a58, b3, c1, d11), (a58, b3, c1, d12), (a58, b3, c1, d13), (a58, b3, c1, d14), (a58, b3, c1, d15), (a58, b3, c1, d16), (a58, b3, c1, d17), (a58, b3, c1, d18), (a58, b3, c1, d19), (a58, b3, c1, d20), (a58, b3, c1, d21), (a58, b3, c1, d22), (a58, b3, c2, d1), (a58, b3, c2, d2), (a58, b3, c2, d3), (a58, b3, c2, d4), (a58, b3, c2, d5), (a58, b3, c2, d6), (a58, b3, c2, d7), (a58, b3, c2, d8), (a58, b3, c2, d9), (a58, b3, c2, d10), (a58, b3, c2, d11), (a58, b3, c2, d12), (a58, b3, c2, d13), (a58, b3, c2, d14), (a58, b3, c2, d15), (a58, b3, c2, d16), (a58, b3, c2, d 17), (a58, b3, c2, d18), (a58, b3, c2, d19), (a58, b3, c2, d20), (a58, b3, c2, d21), (a58, b3, c2, d22), (a58, b3, c3, d1), (a58, b3, c3, d2), (a58, b3, c3, d3), (a58, b3, c3, d4), (a58, b3, c3, d5), (a58, b3, c3, d6), (a58, b3, c3, d7), (a58, b3, c3, d8), (a58, b3, c3, d9), (a58, b3, c3, d10), (a58, b3, c3, d11), (a58, b3, c3, d12), (a58, b3, c3, d13), (a58, b3, c3, d14), (a58, b3, c3, d15), (a58, b3, c3, d16), (a58, b3, c3, d17), (a58, b3, c3, d18), (a58, b3, c3, d19), (a58, b3, c3, d20), (a58, b3, c3, d2 1), (a58, b3, c3, d22), (a58, b4, c1, d1), (a58, b4, c1, d2), (a58, b4, c1, d3), (a58, b4, c1, d4), (a58, b4, c1, d5), (a58, b4, c1, d6), (a58, b4, c1, d7), (a58, b4, c1, d8), (a58, b4, c1, d9), (a58, b4, c1, d10), (a58, b4, c1, d11), (a58, b4, c1, d12), (a58, b4, c1, d13), (a58, b4, c1, d14), (a58, b4, c1, d15), (a58, b4, c1, d16), (a58, b4, c1, d17), (a58, b4, c1, d18), (a58, b4, c1, d19), (a58, b4, c1, d20), (a58, b4, c1, d21), (a58, b4, c1, d22), (a58, b4, c2, d1), (a58, b4, c2, d2), (a58, b4, c2, d3), (a58, b4, c2, d4), (a58, b4, c2, d5), (a58, b4, c2, d6), (a58, b4, c2, d7), (a58, b4, c2, d8), (a58, b4, c2, d9), (a58, b4, c2, d10), (a58, b4, c2, d11), (a58, b4, c2, d12), (a58, b4, c2, d13), (a58, b4, c2, d14), (a58, b4, c2, d15), (a58, b4, c2, d16), (a 58, b4, c2, d17), (a58, b4, c2, d18), (a58, b4, c2, d19), (a58, b4, c2, d20), (a58, b4, c2, d21), (a58, b4, c2, d22), (a58, b4, c3, d1), (a58, b4, c3, d2), (a58, b4, c3, d3), (a58, b4, c3, d4), (a58, b4, c3, d5), (a58, b4, c3, d6), (a58, b4, c3, d7), (a58, b4, c3, d8), (a58, b4, c3, d9), (a58, b4, c3, d10), (a58, b4, c3, d11), (a58, b4, c3, d12), (a58, b4, c3, d13), (a58, b4, c3, d14), (a58, b4, c3, d15), (a58, b4, c3, d16), (a58, b4, c3, d17), (a58, b4, c3, d18), (a58, b4, c3, d19), (a58, b4, c3, d20), (a5 8, b4, c3, d21), (a58, b4, c3, d22), (a58, b5, c1, d1), (a58, b5, c1, d2), (a58, b5, c1, d3), (a58, b5, c1, d4), (a58, b5, c1, d5), (a58, b5, c1, d6), (a58, b5, c1, d7), (a58, b5, c1, d8), (a58, b5, c1, d9), (a58, b5, c1, d10), (a58, b5, c1, d11), (a58, b5 , c1, d12), (a58, b5, c1, d13), (a58, b5, c1, d14), (a58, b5, c1, d15), (a58, b5, c1, d16), (a58, b5, c1, d17), (a58, b5, c1, d18), (a58, b5, c1, d19), (a58, b5, c1, d20), (a58, b5, c1, d21), (a58, b5, c1, d22), (a58, b5, c2, d1), (a58, b5, c2, d2), (a58, b5, c2, d3), (a58, b5, c2, d4), (a58, b5, c2, d5), (a58, b5, c2, d6), (a58, b5, c2, d7), (a58, b5, c2, d8), (a58, b5, c2, d9), (a58, b5, c2, d10), (a58, b5, c2, d11), (a58, b5, c2, d12), (a58, b5, c2, d13), (a58, b5, c2, d14), (a58, b5, c2, d15), (a58, b5, c2, d16), (a58, b5, c2, d17), (a58, b5, c2, d18), (a58, b5, c2, d19), (a58, b5, c2, d20), (a58, b5, c2, d21), (a58, b5, c2, d22), (a58, b5, c3, d1), (a58, b5, c3, d2), (a58, b5, c3, d3), (a58, b5, c3, d

4), (a58, b5, c3, d5), (a58, b5, c3, d6), (a58, b5, c 3, d7), (a58, b5, c3, d8), (a58, b5, c3, d9), (a58, b5, c3, d10), (a58, b5, c3, d11), (a58, b5, c3, d12), (a58, b5, c3, d13), (a58, b5, c3, d14), (a58, b5, c3, d15), (a58, b5, c3, d16), (a58, b5, c3, d17), (a58, b5, c3, d18), (a58, b5, c3, d19), (a58, b5, c3, d20), (a58, b5, c3, d21), (a58, b5, c3, d22), (a58, b6, c1, d1), (a58, b6, c1, d2), (a58, b6, c1, d3), (a58, b6, c1, d4), (a58, b6, c1, d5), (a58, b6, c1, d6), (a58, b6, c1, d7), (a58, b6, c1, d8), (a58, b6, c1, d9), (a58, b6, c1, d10), (a58, b6, c1, d 11), (a58, b6, c1, d12), (a58, b6, c1, d13), (a58, b6, c1, d14), (a58, b6, c1, d15), (a58, b6, c1, d16), (a58, b6, c1, d17), (a58, b6, c1, d18), (a58, b6, c1, d19), (a58, b6, c1, d20), (a58, b6, c1, d21), (a58, b6, c1, d22), (a58, b6, c2, d1), (a58, b6, c2 , d2), (a58, b6, c2, d3), (a58, b6, c2, d4), (a58, b6, c2, d5), (a58, b6, c2, d6), (a58, b6, c2, d7), (a58, b6, c2, d8), (a58, b6, c2, d9), (a58, b6, c2, d10), (a58, b6, c2, d11), (a58, b6, c2, d12), (a58, b6, c2, d13), (a58, b6, c2, d14), (a58, b6, c2, d1 5), (a58, b6, c2, d16), (a58, b6, c2, d17), (a58, b6, c2, d18), (a58, b6, c2, d19), (a58, b6, c2, d20), (a58, b6, c2, d21), (a58, b6, c2, d22), (a58, b6, c3, d1), (a58, b6, c3, d2), (a58, b6, c3, d3), (a58, b6, c3, d4), (a58, b6, c3, d5), (a58, b6, c3, d6) , (a58, b6, c3, d7), (a58, b6, c3, d8), (a58, b6, c3, d9), (a58, b6, c3, d10), (a58, b6, c3, d11), (a58, b6, c3, d12), (a58, b6, c3, d13), (a58, b6, c3, d14), (a58, b6, c3, d15), (a58, b6, c3, d16), (a58, b6, c3, d17), (a58, b6, c3, d18), (a58, b6, c3, d19), (a58, b6, c3, d20), (a58, b6, c3, d21), (a58, b6, c3, d22), (a59, b1, c1, d1), (a59, b1, c1, d2), (a59, b1, c1, d3), (a59, b1, c1, d4), (a59, b1, c1, d5), (a59, b1, c1, d6), (a59, b1, c1, d7), (a59, b1, c1, d8), (a59, b1, c1, d9), (a59, b1, c1, d10), (a 59, b1, c1, d11), (a59, b1, c1, d12), (a59, b1, c1, d13), (a59, b1, c1, d14), (a59, b1, c1, d15), (a59, b1, c1, d16), (a59, b1, c1, d17), (a59, b1, c1, d18), (a59, b1, c1, d19), (a59, b1, c1, d20), (a59, b1, c1, d21), (a59, b1, c1, d22), (a59, b1, c2, d1), (a59, b1, c2, d2), (a59, b1, c2, d3), (a59, b1, c2, d4), (a59, b1, c2, d5), (a59, b1, c2, d6), (a59, b1, c2, d7), (a59, b1, c2, d8), (a59, b1, c2, d9), (a59, b1, c2, d10), (a59, b1, c2, d11), (a59, b1, c2, d12), (a59, b1, c2, d13), (a59, b1, c2, d14), (a5 9, b1, c2, d15), (a59, b1, c2, d16), (a59, b1, c2, d17), (a59, b1, c2, d18), (a59, b1, c2, d19), (a59, b1, c2, d20), (a59, b1, c2, d21), (a59, b1, c2, d22), (a59, b1, c3, d1), (a59, b1, c3, d2), (a59, b1, c3, d3), (a59, b1, c3, d4), (a59, b1, c3, d5), (a59 , b1, c3, d6), (a59, b1, c3, d7), (a59, b1, c3, d8), (a59, b1, c3, d9), (a59, b1, c3, d10), (a59, b1, c3, d11), (a59, b1, c3, d12), (a59, b1, c3, d13), (a59, b1, c3, d14), (a59, b1, c3, d15), (a59, b1, c3, d16), (a59, b1, c3, d17), (a59, b1, c3, d18), (a59 , b1, c3, d19), (a59, b1, c3, d20), (a59, b1, c3, d21), (a59, b1, c3, d22), (a59 , b2, c1, d1), (a59, b2, c1, d2), (a59, b2, c1, d3), (a59, b2, c1, d4), (a59, b2 , c1, d5), (a59, b2, c1, d6), (a59, b2, c1, d7), (a59, b2, c1, d8), (a59, b2, c1 , d9), (a59, b2, c1, d10), (a59, b2, c1, d11), (a59, b2, c1, d12), (a59, b2, c1 , d13), (a59, b2, c1, d14), (a59, b2, c1, d15), (a59, b2, c1, d16), (a59, b2, c1 , d17), (a59, b2, c1, d18), (a59, b2, c1, d19), (a59, b2, c1, d20), (a59, b2, c1 , d21), (a59, b2, c1, d22), (a59, b2, c2, d1), (a59, b2, c2, d2), (a59, b2, c2, d3), (a59, b2, c2, d4), (a59, b2, c2, d5), (a59, b2, c2, d6), (a59, b2, c2, d7) , (a59, b2, c2, d8), (a59, b2, c2, d9), (a59, b2, c2, d10), (a59, b2, c2, d11), (a59, b2, c2, d12), (a59, b2, c2, d13), (a59, b2, c2, d14), (a59, b2, c2, d15), (a59, b2, c2, d16), (a59, b2, c2, d17), (a59, b2, c2, d18), (a59, b2, c2, d19), (a59, b2, c2, d20), (a59, b2, c2, d21), (a59, b2, c2, d22), (a59, b2, c3, d1), (a59, b2, c3, d2), (a59, b2, c3, d3), (a59, b2, c3, d4), (a59, b2, c3, d5), (a59, b2, c3, d6), (a59, b2, c3, d7), (a59, b2, c3, d8), (a59, b2, c3, d9), (a59, b2,

10 20 30 40 50

c3, d10), (a59, b2, c3, d11), (a59, b2, c3, d12), (a59, b2, c3, d13), (a59, b2, c3, d14), (a59, b2, c3, d15), (a59, b2, c3, d16), (a59, b2, c3, d17), (a59, b2, c 3, d18), (a59, b2, c3, d19), (a59, b2, c3, d20), (a59, b2, c3, d21), (a59, b2, c3, d22), (a59, b3, c1, d1), (a59, b3, c1, d2), (a59, b3, c1, d3), (a59, b3, c1, d4), (a59, b3, c1, d5), (a59, b3, c1, d6), (a59, b3, c1, d7), (a59, b3, c1, d8), (a59, b3, c1, d 9), (a59, b3, c1, d10), (a59, b3, c1, d11), (a59, b3, c1, d12), (a59, b3, c1, d13), (a59, b3, c1, d14), (a59, b3, c1, d15), (a59, b3, c1, d16), (a59, b3, c1, d17), (a59, b3, c1, d18), (a59, b3, c1, d19), (a59, b3, c1, d20), (a59, b3, c1, d21), (a59, b3, c1 , d22), (a59, b3, c2, d1), (a59, b3, c2, d2), (a59, b3, c2, d3), (a59, b3, c2, d4), (a59, b3, c2, d5), (a59, b3, c2, d6), (a59, b3, c2, d7), (a59, b3, c2, d8), (a59, b3, c2, d9), (a59, b3, c2, d10), (a59, b3, c2, d11), (a59, b3, c2, d12), (a59, b3, c2, d13), (a59, b3, c2, d14), (a59, b3, c2, d15), (a59, b3, c2, d16), (a59, b3, c2, d17), (a59, b3, c2, d18), (a59, b3, c2, d19), (a59, b3, c2, d20), (a59, b3, c2, d21), (a59, b3, c2, d22), (a59, b3, c3, d1), (a59, b3, c3, d2), (a59, b3, c3, d3), (a59, b3, c3, d4), (a59, b3, c3, d5), (a59, b3, c3, d6), (a59, b3, c3, d7), (a59, b3, c3, d8), (a59, b3, c3, d9), (a59, b3, c3, d10), (a59, b3, c3, d11), (a59, b3, c3, d12), (a59, b3, c3, d13), (a59, b3, c3, d14), (a59, b3, c3, d15), (a59, b3, c3, d16), (a59, b3, c3, d17) , (a59, b3, c3, d18), (a59, b3, c3, d19), (a59, b3, c3, d20), (a59, b3, c3, d21), (a59, b3, c3, d22), (a59, b4, c1, d1), (a59, b4, c1, d2), (a59, b4, c1, d3), (a59, b4, c1, d4), (a59, b4, c1, d5), (a59, b4, c1, d6), (a59, b4, c1, d7), (a59, b4, c1, d8), (a 59, b4, c1, d9), (a59, b4, c1, d10), (a59, b4, c1, d11), (a59, b4, c1, d12), (a59, b4, c1, d13), (a59, b4, c1, d14), (a59, b4, c1, d15), (a59, b4, c1, d16), (a59, b4, c1, d17), (a59, b4, c1, d18), (a59, b4, c1, d19), (a59, b4, c1, d20), (a59, b4, c1, d21), (a59, b4, c1, d22), (a59, b4, c2, d1), (a59, b4, c2, d2), (a59, b4, c2, d3), (a59, b4, c2, d4), (a59, b4, c2, d5), (a59, b4, c2, d6), (a59, b4, c2, d7), (a59, b4, c2, d8), (a59, b4, c2, d9), (a59, b4, c2, d10), (a59, b4, c2, d11), (a59, b4, c2, d12), (a59 , b4, c2, d13), (a59, b4, c2, d14), (a59, b4, c2, d15), (a59, b4, c2, d16), (a59, b4, c2, d17), (a59, b4, c2, d18), (a59, b4, c2, d19), (a59, b4, c2, d20), (a59, b4, c2, d21), (a59, b4, c2, d22), (a59, b4, c3, d1), (a59, b4, c3, d2), (a59, b4, c3, d3), (a5 9, b4, c3, d4), (a59, b4, c3, d5), (a59, b4, c3, d6), (a59, b4, c3, d7), (a59, b4, c3, d8), (a59, b4, c3, d9), (a59, b4, c3, d10), (a59, b4, c3, d11), (a59, b4, c3, d12), (a59, b4, c3, d13), (a59, b4, c3, d14), (a59, b4, c3, d15), (a59, b4, c3, d16), (a59, b4, c3, d17), (a59, b4, c3, d18), (a59, b4, c3, d19), (a59, b4, c3, d20), (a59, b4, c3, d21), (a59, b4, c3, d22), (a59, b5, c1, d1), (a59, b5, c1, d2), (a59, b5, c1, d3), (a59, b5, c1, d4), (a59, b5, c1, d5), (a59, b5, c1, d6), (a59, b5, c1, d7), (a59, b5 , c1, d8), (a59, b5, c1, d9), (a59, b5, c1, d10), (a59, b5, c1, d11), (a59, b5, c1, d12), (a59, b5, c1, d13), (a59, b5, c1, d14), (a59, b5, c1, d15), (a59, b5, c1, d16), (a59, b5, c1, d17), (a59, b5, c1, d18), (a59, b5, c1, d19), (a59, b5, c1, d20), (a59, b5, c1, d21), (a59, b5, c1, d22), (a59, b5, c2, d1), (a59, b5, c2, d2), (a59, b5, c2, d3), (a59, b5, c2, d4), (a59, b5, c2, d5), (a59, b5, c2, d6), (a59, b5, c2, d7), (a59, b5, c2, d8), (a59, b5, c2, d9), (a59, b5, c2, d10), (a59, b5, c2, d11), (a59, b5, c 2, d12), (a59, b5, c2, d13), (a59, b5, c2, d14), (a59, b5, c2, d15), (a59, b5, c2, d16), (a59, b5, c2, d17), (a59, b5, c2, d18), (a59, b5, c2, d19), (a59, b5, c2, d20), (a59, b5, c2, d21), (a59, b5, c2, d22), (a59, b5, c3, d1), (a59, b5, c3, d2), (a59, b5, c3, d3), (a59, b5, c3, d4), (a59, b5, c3, d5), (a59, b5, c3, d6), (a59, b5, c3, d7), (a59, b5, c3, d8), (a59, b5, c3, d9), (a59, b5, c3, d10), (a59, b5, c3, d11

), (a59, b5, c3, d12), (a59, b5, c3, d13), (a59, b5, c3, d14), (a59, b5, c3, d15
), (a59, b5, c3 , d16), (a59, b5, c3, d17), (a59, b5, c3, d18), (a59, b5, c3, d1
9), (a59, b5, c3, d20), (a59, b5, c3, d21), (a59, b5, c3, d22), (a59, b6, c1, d1
), (a59, b6, c1, d2), (a59, b6, c1, d3), (a59, b6, c1, d4), (a59, b6, c1, d5), (
a59, b6, c1, d6), (a59, b6, c1, d7), (a59, b6, c1, d8), (a59, b6, c1, d9), (a59,
 b6, c1, d10), (a59, b6, c1, d11), (a59, b6, c1, d12), (a59, b6, c1, d13), (a59,
 b6, c1, d14), (a59, b6, c1, d15), (a59, b6, c1, d16), (a59, b6, c1, d17), (a59,
 b6, c1, d18), (a59, b6, c1, d19), (a59, b6, c1, d20), (a59, b6, c1, d21), (a59
, b6, c1, d22), (a59, b6, c2, d1), (a59, b6, c2, d2), (a59, b6, c2, d3), (a59, b
6, c2, d4), (a59, b6, c2, d5), (a59, b6, c2, d6), (a59, b6, c2, d7), (a59, b6, c
2, d8), (a59, b6, c2, d9), (a59, b6, c2, d10), (a59, b6, c2, d11) , (a59, b6, c2
, d12), (a59, b6, c2, d13), (a59, b6, c2, d14), (a59, b6, c2, d15), (a59, b6, c2
, d16), (a59, b6, c2, d17), (a59, b6, c2, d18), (a59, b6, c2, d19), (a59, b6, c2
, d20), (a59, b6, c2, d21), (a59, b6, c2, d22), (a59, b6, c3, d1), (a59, b6, c3,
 d 2), (a59, b6, c3, d3), (a59, b6, c3, d4), (a59, b6, c3, d5), (a59, b6, c3, d6
), (a59, b6, c3, d7), (a59, b6, c3, d8), (a59, b6, c3, d9), (a59, b6, c3, d10),
(a59, b6, c3, d11), (a59, b6, c3, d12), (a59, b6, c3, d13), (a59, b6, c3, d14),
(a59, b6, c3, d15), (a59, b6, c3, d16), (a59, b6, c3, d17), (a59, b6, c3, d18),
 (a59, b6, c3, d19), (a59, b6, c3, d20), (a59, b6, c3, d21), (a59, b6, c3, d22),
 (a60, b1, c1, d1), (a60, b1, c1, d2), (a60, b1, c1, d3), (a60, b1, c1, d4), (a6
0, b1, c1, d5), (a60, b1, c1, d6), (a60, b1, c1, d7), (a60, b1, c1, d8), (a60,
b1, c1, d9), (a60, b1, c1, d10), (a60, b1, c1, d11), (a60, b1, c1, d12), (a60, b
1, c1, d13), (a60, b1, c1, d14), (a60, b1, c1, d15), (a60, b1, c1, d16), (a60, b
1, c1, d17), (a60, b1, c1, d18), (a60, b1, c1, d19), (a60, b1, c1, d20), (a60, b
1, c1, d21), (a60, b1, c1, d22), (a60, b1, c2, d1), (a60, b1, c2, d2), (a60, b1,
 c2, d3), (a60, b1, c2, d4), (a60, b1, c2, d5), (a60, b1, c2, d6), (a60, b1, c2,
 d7), (a60, b1, c2, d8), (a60, b1, c2, d9), (a60, b1, c2, d10), (a60, b1, c2, d
11), (a60, b1, c2, d12), (a60, b1, c2, d13), (a60, b1, c2, d14), (a60, b1, c2, d
15), (a60, b1, c2, d16), (a60, b1, c2, d17), (a60, b1, c2, d18), (a60, b1, c2, d
19), (a60, b1, c2, d20), (a60, b1, c2, d21), (a60, b1, c2, d22), (a60, b1, c3, d
1), (a 60, b1, c3, d2), (a60, b1, c3, d3), (a60, b1, c3, d4), (a60, b1, c3, d5),
 (a60, b1, c3, d6), (a60, b1, c3, d7), (a60, b1, c3, d8), (a60, b1, c3, d9), (a6
0, b1, c3, d10), (a60, b1, c3, d11), (a60, b1, c3, d12), (a60, b1, c3, d13), (a6
0, b1, c3, d14), (a60, b1, c3, d15), (a60, b1, c3, d16), (a60, b1, c3, d17), (a6
0, b1, c3, d18), (a60, b1, c3, d19), (a60, b1, c3, d20), (a60, b1, c3, d21), (a6
0, b1, c3, d22), (a60, b2, c1, d1), (a60, b2, c1, d2), (a60, b2, c1, d3), (a60,
b2, c1, d4), (a60, b2, c1, d5), (a60, b 2, c1, d6), (a60, b2, c1, d7), (a60, b2,
 c1, d8), (a60, b2, c1, d9), (a60, b2, c1, d10), (a60, b2, c1, d11), (a60, b2, c
1, d12), (a60, b2, c1, d13), (a60, b2, c1, d14), (a60, b2, c1, d15), (a60, b2, c
1, d16), (a60, b2, c1, d17), (a60, b2, c1, d18), (a60, b 2, c1, d19), (a60, b2,
c1, d20), (a60, b2, c1, d21), (a60, b2, c1, d22), (a60, b2, c2, d1), (a60, b2, c
2, d2), (a60, b2, c2, d3), (a60, b2, c2, d4), (a60, b2, c2, d5), (a60, b2, c2, d
6), (a60, b2, c2, d7), (a60, b2, c2, d8), (a60, b2, c2, d9), (a60, b2, c2 , d10)
, (a60, b2, c2, d11), (a60, b2, c2, d12), (a60, b2, c2, d13), (a60, b2, c2, d14)
, (a60, b2, c2, d15), (a60, b2, c2, d16), (a60, b2, c2, d17), (a60, b2, c2, d18)
, (a60, b2, c2, d19), (a60, b2, c2, d20), (a60, b2, c2, d21), (a60, b2, c2, d22)
, (a60, b2 , c3, d1), (a60, b2, c3, d2), (a60, b2, c3, d3), (a60, b2, c3, d4), (
a60, b2, c3, d5), (a60, b2, c3, d6), (a60, b2, c3, d7), (a60, b2, c3, d8), (a60,
 b2, c3, d9), (a60, b2, c3, d10), (a60, b2, c3, d11), (a60, b2, c3, d12), (a60,
b2, c3, d13), (a60, b2, c3, d14), (a60, b2, c3, d15), (a60, b2, c3, d16), (a60,

b2, c3, d17), (a60, b2, c3, d18), (a60, b2, c3, d19), (a60, b2, c3, d20), (a60, b2, c3, d21), (a60, b2, c3, d22), (a60, b3, c1, d1), (a60, b3, c1, d2), (a60, b3, c1, d3), (a60, b3, c1, d4), (a60, b3, c1, d5), (a60, b3, c1, d6), (a60, b3, c1, d7), (a60, b3, c1, d8), (a60, b3, c1, d9), (a60, b3, c1, d10), (a60, b3, c1, d11), (a60, b3, c1, d12), (a60, b3, c1, d13), (a60, b3, c1, d14), (a60, b3, c1, d15), (a60, b3, c1, d16), (a60, b3, c1, d17), (a60, b3, c1, d18), (a60, b3, c1, d19), (a60, b3, c1, d20), (a60, b3, c1, d21), (a60, b3, c1, d22), (a60, b3, c2, d1), (a60, b3, c2, d2), (a60, b3, c2, d3), (a60, b3, c2, d4), (a60, b3, c2, d5), (a60, b3, c2, d6), (a60, b3, c2, d7), (a60, b3, c2, d8), (a60, b3, c2, d9), (a60, b3, c2, d10), (a60, b3, c2, d11), (a60, b3, c2, d12), (a60, b3, c2, d13), (a60, b3, c2, d14), (a60, b3, c2, d15), (a60, b3, c2, d16), (a60, b3, c2, d17), (a60, b3, c2, d18), (a60, b3, c2, d19), (a60, b3, c2, d20), (a60, b3, c2, d21), (a60, b3, c2, d 22), (a60, b3, c3, d1), (a60, b3, c3, d2), (a60, b3, c3, d3), (a60, b3, c3, d4), (a60, b3, c3, d5), (a60, b3, c3, d6), (a60, b3, c3, d7), (a60, b3, c3, d8), (a60, b3, c3, d9), (a60, b3, c3, d10), (a60, b3, c3, d11), (a60, b3, c3, d12), (a60, b3, c3, d13), (a60, b3, c3, d14), (a60, b3, c3, d15), (a60, b3, c3, d16), (a60, b3, c3, d17), (a60, b3, c3, d18), (a60, b3, c3, d19), (a60, b3, c3, d20), (a60, b3, c3, d21), (a60, b3, c3, d22), (a60, b4, c1, d1), (a60, b4, c1, d2), (a60, b4, c1, d3), (a60, b4, c1, d4), (a60, b4, c1, d5), (a60, b4, c1, d6), (a60, b4, c1, d7), (a60, b4, c1, d8), (a60, b4, c1, d9), (a60, b4, c1, d10), (a60, b4, c1, d11), (a60, b4, c1, d12), (a60, b4, c1, d13), (a60, b4, c1, d14), (a60, b4, c1, d15), (a60, b4, c1, d16), (a60, b4, c1, d17), (a60, b4, c1, d18), (a60, b4, c1, d19), (a60, b4, c1, d20), (a60, b4, c1, d21), (a60, b4, c1, d22), (a60, b4, c2, d1), (a60, b4, c2, d2), (a60, b4, c2, d3), (a60, b4, c2, d4), (a60, b4, c2, d5), (a60, b4, c2, d6), (a60, b4, c2, d7), (a60, b4, c2, d8), (a60, b4, c2, d9), (a60, b4, c2, d10), (a60, b4, c2, d11), (a60, b4, c2, d12), (a60, b4, c2, d13), (a60, b4, c2, d14), (a60, b4, c2, d15), (a60, b4, c2, d16), (a60, b4, c2, d17), (a60, b4, c2, d18), (a60, b4, c2, d19), (a60, b4, c2, d20), (a60, b4, c2, d21), (a 60, b4, c2, d22), (a60, b4, c3, d1), (a60, b4, c3, d2), (a60, b4, c3, d3), (a60, b4, c3, d4), (a60, b4, c3, d5), (a60, b4, c3, d6), (a60, b4, c3, d7), (a60, b4, c3, d8), (a60, b4, c3, d9), (a60, b4, c3, d10), (a60, b4, c3, d11), (a60, b4, c3, d12), (a60, b 4, c3, d13), (a60, b4, c3, d14), (a60, b4, c3 , d15), (a60, b4, c3, d16), (a60, b4, c3, d17), (a60, b4, c3, d18), (a60, b4, c3 , d19), (a60, b4, c3, d20), (a60, b4, c3, d21), (a60, b4, c3, d22), (a60, b5, c1 , d1), (a60, b5, c1, d2), (a60, b5, c1, d3), (a60, b5, c1, d4), (a60, b5, c1, d5)
, (a60, b5, c1, d6), (a60, b5, c1, d7), (a60, b5, c1, d8), (a60, b5, c1, d9), (a 60, b5, c1, d10), (a60, b5, c1, d11), (a60, b5, c1, d12), (a60, b5, c1, d13), (a 60, b5, c1, d14), (a60, b5, c1, d15), (a60, b5, c1, d16), (a60, b5 , c1, d17), (a60, b5, c1, d18), (a60, b5, c1, d19), (a60, b5, c1, d20), (a60, b5, c1, d21), (a60, b5, c1, d22), (a60, b5, c2, d1), (a60, b5, c2, d2), (a60, b5, c2, d3), (a60 , b5, c2, d4), (a60, b5, c2, d5), (a60, b5, c2, d6), (a60, b5, c2, d7), (a60, b5 , c 2, d8), (a60, b5, c2, d9), (a60, b5, c2, d10), (a60, b5, c2, d11), (a60, b5, c2, d12), (a60, b5, c2, d13), (a60, b5, c2, d14), (a60, b5, c2, d15), (a60, b5, c2, d16), (a60, b5, c2, d17), (a60, b5, c2, d18), (a60, b5, c2, d19), (a60, b5, c2, d20), (a60, b5, c2, d21), (a60, b5, c2, d22), (a60, b5, c3, d1), (a60, b5, c3, d2), (a60, b5, c3, d3), (a60, b5, c3, d4), (a60, b5, c3, d5), (a60, b5, c3, d6), (a60, b5, c3, d7), (a60, b5, c3, d8), (a60, b5, c3, d9), (a60, b5, c3, d10), (a60, b5, c3, d11), (a60, b5, c3, d12), (a60, b5, c3, d13), (a60, b5, c3, d14), (a60, b5, c3, d15), (a60, b5, c3, d16), (a60, b5, c3, d17), (a60, b5, c3, d18

), (a60, b5, c3, d19), (a60, b5, c3, d20), (a60, b5, c3, d21), (a60, b5, c3, d22
), (a60, b6, c1, d1), (a60, b6, c1, d2), (a60, b6, c1 , d3), (a60, b6, c1, d4),
(a60, b6, c1, d5), (a60, b6, c1, d6), (a60, b6, c1, d7), (a60, b6, c1, d8), (a60
, b6, c1, d9), (a60, b6, c1, d10), (a60, b6, c1, d11), (a60, b6, c1, d12), (a60,
b6, c1, d13), (a60, b6, c1, d14), (a60, b6, c1, d15), (a60, b6, c1, d 16), (a60
, b6, c1, d17), (a60, b6, c1, d18), (a60, b6, c1, d19), (a60, b6, c1, d20), (a60
, b6, c1, d21), (a60, b6, c1, d22), (a60, b6, c2, d1), (a60, b6, c2, d2), (a60,
b6, c2, d3), (a60, b6, c2, d4), (a60, b6, c2, d5), (a60, b6, c2, d6), (a60, b6,
c2, d7) , (a60, b6, c2, d8), (a60, b6, c2, d9), (a60, b6, c2, d10), (a60, b6, c2
, d11), (a60, b6, c2, d12), (a60, b6, c2, d13), (a60, b6, c2, d14), (a60, b6, c2
, d15), (a60, b6, c2, d16), (a60, b6, c2, d17), (a60, b6, c2, d18), (a60, b6, c2
, d19), (a60, b6, c2, d2 0), (a60, b6, c2, d21), (a60, b6, c2, d22), (a60, b6, c
3, d1), (a60, b6, c3, d2), (a60, b6, c3, d3), (a60, b6, c3, d4), (a60, b6, c3, d
5), (a60, b6, c3, d6), (a60, b6, c3, d7), (a60, b6, c3, d8), (a60, b6, c3, d9),
(a60, b6, c3, d10), (a60, b6, c3, d11), (a60, b6, c3, d12), (a60, b6, c3, d13),
(a60, b6, c3, d14), (a60, b6, c3, d15), (a60, b6, c3, d16), (a60, b6, c3, d17),
(a60, b6, c3, d18), (a60, b6, c3, d19), (a60, b6, c3, d20), (a60, b6, c3, d21),
(a60, b6, c3, d22), (a61, b1, c1, d1), (a61, b1, c1, d2), (a61, b1, c1, d3), (
a61, b1, c1, d4), (a61, b1, c1, d5), (a61, b1, c1, d6), (a61, b1, c1, d7), (a61,
b1, c1, d8), (a61, b1, c1, d9), (a61, b1, c1, d10), (a61, b1, c1, d11), (a61, b
1, c1, d12), (a61, b1, c1, d13), (a61, b1, c1, d14), (a61, b1, c1, d15), (a 61,
b1, c1, d16), (a61, b1, c1, d17), (a61, b1, c1, d18), (a61, b1, c1, d19), (a61,
b1, c1, d20), (a61, b1, c1, d21), (a61, b1, c1, d22), (a61, b1, c2, d1), (a61, b
1, c2, d2), (a61, b1, c2, d3), (a61, b1, c2, d4), (a61, b1, c2, d5), (a61, b1, c
2, d6), (a61 , b1, c2, d7), (a61, b1, c2, d8), (a61, b1, c2, d9), (a61, b1, c2,
d10), (a61, b1, c2, d11), (a61, b1, c2, d12), (a61, b1, c2, d13), (a61, b1, c2,
d14), (a61, b1, c2, d15), (a61, b1, c2, d16), (a61, b1, c2, d17), (a61, b1, c2,
d18), (a61, b1, c2, d19), (a6 1, b1, c2, d20), (a61, b1, c2, d21), (a61, b1, c2,
d22), (a61, b1, c3, d1), (a61, b1, c3, d2), (a61, b1, c3, d3), (a61, b1, c3, d4
), (a61, b1, c3, d5), (a61, b1, c3, d6), (a61, b1, c3, d7), (a61, b1, c3, d8), (
a61, b1, c3, d9), (a61, b1, c3, d10), (a61, b1 , c3, d11), (a61, b1, c3, d12), (
a61, b1, c3, d13), (a61, b1, c3, d14), (a61, b1, c3, d15), (a61, b1, c3, d16), (
a61, b1, c3, d17), (a61, b1, c3, d18), (a61, b1, c3, d19), (a61, b1, c3, d20), (
a61, b1, c3, d21), (a61, b1, c3, d22), (a61, b2, c1, d1), (a61, b2, c1, d2), (a
61, b2, c1, d3), (a61, b2, c1, d4), (a61, b2, c1, d5), (a61, b2, c1, d6), (a61,
b2, c1, d7), (a61, b2, c1, d8), (a61, b2, c1, d9), (a61, b2, c1, d10), (a61, b2,
c1, d11), (a61, b2, c1, d12), (a61, b2, c1, d13), (a61, b2, c1, d14), (a61, b2,
c1, d15), (a61, b2, c1, d16), (a61, b2, c1, d17), (a61, b2, c1, d18), (a61, b2
, c1, d19), (a61, b2, c1, d20), (a61, b2, c1, d21), (a61, b2, c1, d22), (a61, b2
, c2, d1), (a61, b2, c2, d2), (a61, b2, c2, d3), (a61, b2, c2, d4), (a61, b2, c2
, d5), (a61, b2, c2, d6), (a61, b2, c2, d7), (a61, b2, c2, d8), (a61, b2, c2, d9
), (a61, b2, c2, d10), (a61, b2, c2, d11), (a61, b2, c2, d12), (a61, b2, c2, d13
), (a61, b2, c2, d14), (a61, b2, c2, d15), (a61, b2, c2, d16), (a61, b2, c2, d17
), (a61, b2, c2, d18), (a61, b2, c2, d19), (a61, b2, c2, d20), (a61, b2, c2, d21
), (a61, b2, c2, d22), (a61, b2, c3, d1), (a61, b2, c3, d2), (a61, b2, c3, d3),
(a61, b2, c3, d4), (a61, b2, c3, d5), (a61, b2, c3, d6), (a61, b2, c3, d7), (a61
, b2, c3, d8), (a61, b2, c3, d9), (a61, b2, c3, d 10), (a61, b2, c3, d11), (a61,
b2, c3, d12), (a61, b2, c3, d13), (a61, b2, c3, d14), (a61, b2, c3, d15), (a61,
b2, c3, d16), (a61, b2, c3, d17), (a61, b2, c3, d18), (a61, b2, c3, d19), (a61,
b2, c3, d20), (a61, b2, c3, d21), (a61, b2, c3, d22), (a61, b3, c 1, d1), (a61,

b3, c1, d2), (a61, b3, c1, d3), (a61, b3, c1, d4), (a61, b3, c1, d5), (a61, b3, c1, d6), (a61, b3, c1, d7), (a61, b3, c1, d8), (a61, b3, c1, d9), (a61, b3, c1, d10), (a61, b3, c1, d11), (a61, b3, c1, d12), (a61, b3, c1, d13), (a61, b3, c1, d1 4), (a61, b3, c1, d15), (a61, b3, c1, d16), (a61, b3, c1, d17), (a61, b3, c1, d18), (a61, b3, c1, d19), (a61, b3, c1, d20), (a61, b3, c1, d21), (a61, b3, c1, d22), (a61, b3, c2, d1), (a61, b3, c2, d2), (a61, b3, c2, d3), (a61, b3, c2, d4), (a61, b3, c2, d5), (a61, b3, c2, d6), (a61, b3, c2, d7), (a61, b3, c2, d8), (a61, b3, c2, d9), (a61, b3, c2, d10), (a61, b3, c2, d11), (a61, b3, c2, d12), (a61, b3, c2, d13), (a61, b3, c2, d14), (a61, b3, c2, d15), (a61, b3, c2, d16), (a61, b3, c2, d17), (a61, b3, c2, d18), (a61, b3, c2, d19), (a61, b3, c2, d20), (a61, b3, c2, d21), (a61, b3, c2, d22), (a61, b3, c3, d1), (a61, b3, c3, d2), (a61, b3, c3, d3), (a61, b3, c3, d4), (a61, b3, c3, d5), (a61, b3, c3, d6), (a61, b3, c3, d7), (a61, b3, c3, d8), (a61, b3, c3, d9), (a 61, b3, c3, d10), (a61, b3, c3, d11), (a61, b3, c3, d12), (a61, b3, c3, d13), (a61, b3, c3, d14), (a61, b3, c3, d15), (a61, b3, c3, d16), (a61, b3, c3, d17), (a61, b3, c3, d18), (a61, b3, c3, d19), (a61, b3, c3, d20), (a61, b3, c3, d21), (a61, b3, c3, d22) , (a61, b4, c1, d1), (a61, b4, c1, d2), (a61, b4, c1, d3), (a61, b4, c1, d4), (a61, b4, c1, d5), (a61, b4, c1, d6), (a61, b4, c1, d7), (a61, b4, c1, d8), (a61, b4, c1, d9), (a61, b4, c1, d10), (a61, b4, c1, d11), (a61, b4, c1, d12), (a61, b4, c1, d13), (a6 1, b4, c1, d14), (a61, b4, c1, d15), (a61, b4, c1, d16), (a61, b4, c1, d17), (a61, b4, c1, d18), (a61, b4, c1, d19), (a61, b4, c1, d20), (a61, b4, c1, d21), (a61, b4, c1, d22), (a61, b4, c2, d1), (a61, b4, c2, d2), (a61, b4, c2, d3), (a61, b4, c2, d4), (a6 1, b4, c2, d5), (a61, b4, c2, d6), (a61, b4, c2, d7), (a61, b4, c2, d8), (a61, b4, c2, d9), (a61, b4, c2, d10), (a61, b4, c2, d11), (a 61, b4, c2, d12), (a61, b4, c2, d13), (a61, b4, c2, d14), (a61, b4, c2, d15), (a 61, b4, c2, d16), (a61, b4, c2, d17), (a61 , b4, c2, d18), (a61, b4, c2, d19), (a61, b4, c2, d20), (a61, b4, c2, d21), (a61, b4, c2, d22), (a61, b4, c3, d1), (a 61, b4, c3, d2), (a61, b4, c3, d3), (a61, b4, c3, d4), (a61, b4, c3, d5), (a61, b4, c3, d6), (a61, b4, c3, d7), (a61, b4, c3, d8), (a61, b4 , c3, d9), (a61, b4, c3, d10), (a61, b4, c3, d11), (a61, b4, c3, d12), (a61, b4, c3, d13), (a61, b4, c3, d14), (a61, b4, c3, d15), (a61, b4, c3, d16), (a61, b4, c3, d17), (a61, b4, c3, d18), (a61, b4, c3, d19), (a61, b4, c3, d20), (a61, b4, c3, d21), (a61, b4 , c3, d22), (a61, b5, c1, d1), (a61, b5, c1, d2), (a61, b5, c1, d3), (a61, b5, c 1, d4), (a61, b5, c1, d5), (a61, b5, c1, d6), (a61, b5, c1, d7), (a61, b5, c1, d 8), (a61, b5, c1, d9), (a61, b5, c1, d10), (a61, b5, c1, d11), (a61, b5, c1, d12), (a61, b5, c1, d13), (a61, b5, c1, d14), (a61, b5, c1, d15), (a61, b5, c1, d16), (a61, b5, c1, d17), (a61, b5, c1, d18), (a61, b5, c1, d19), (a61, b5, c1, d20), (a61, b5, c1, d21), (a61, b5, c1, d22), (a61, b5, c2, d1), (a61, b5, c2, d2), (a61, b5, c2, d3), (a61, b5, c2, d4), (a61, b5, c2, d5), (a61, b5, c2, d6), (a 61, b5, c2, d7), (a61, b5, c2, d8), (a61, b5, c2, d9), (a61, b5, c2, d10), (a61, b5, c2, d11), (a61, b5, c2, d12), (a61, b5, c2, d13), (a61, b5, c2, d14), (a61, b5, c2, d15), (a61, b5, c2, d16), (a61, b5, c 2, d17), (a61, b5, c2, d18), (a61 , b5, c2, d19), (a61, b5, c2, d20), (a61, b5, c2, d21), (a61, b5, c2, d22), (a61 , b5, c3, d1), (a61, b5, c3, d2), (a61, b5, c3, d3), (a61, b5, c3, d4), (a61, b5 , c3, d5), (a61, b5, c3, d6), (a61, b5, c3, d7), (a61, b5, c3, d8), (a61, b5, c3 , d9), (a61, b5, c3, d10), (a61, b5, c3, d11), (a61, b5, c3, d12), (a61, b5, c3, d13), (a61, b5, c3, d14), (a61, b5, c3, d15), (a61, b5, c3, d16), (a61, b5, c3, d17), (a61, b5, c3, d18), (a61, b5, c3, d19), (a61, b5, c3, d20), (a61, b5, c3 , d21), (a61, b5, c3, d22), (a61, b6, c1, d1), (a61, b6, c1, d2), (a61, b6, c1, d3), (a61, b6, c1, d4), (a61, b6, c1, d5), (a61, b6, c1, d6), (a61, b6, c1, d7),

(a61, b6, c1, d8), (a61, b6, c1, d9), (a61, b6, c1, d10), (a61, b6, c1, d11), (a61, b6, c1, d12), (a61, b6, c1, d13), (a61, b6, c1, d14), (a61, b6, c1, d15), (a61, b6, c1, d16), (a61, b6, c1, d17), (a61, b6, c1, d18), (a61, b6, c1, d19), (a61, b6, c1, d20), (a61, b6, c1, d21), (a61, b6, c1, d22), (a61, b6, c2, d1), (a61, b6, c2, d2), (a61, b6, c2, d 3), (a61, b6, c2, d4), (a61, b6, c2, d5), (a61, b6, c2, d6), (a61, b6, c2, d7), (a61, b6, c2, d8), (a61, b6, c2, d9), (a61, b6, c2, d10), (a61, b6, c2, d11), (a61, b6, c2, d12), (a61, b6, c2, d13), (a61, b6, c2, d14), (a61, b6, c2, d15), (a61, b6, c2, d16) , (a61, b6, c2, d17), (a61, b6, c2, d18), (a61, b6, c2, d19), (a61, b6, c2, d20), (a61, b6, c2, d21), (a61, b6, c2, d22), (a61, b6, c3, d1), (a61, b6, c3, d2), (a61, b6, c3, d3), (a61, b6, c3, d4), (a61, b6, c3, d5), (a61, b6, c3, d6), (a61, b6, c3, d7), (a61, b6, c3, d8), (a61, b6, c3, d9), (a61, b6, c3, d10), (a61, b6, c3, d11), (a61, b6, c3, d12), (a61, b6, c3, d13), (a61, b6, c3, d14), (a61, b6, c3, d15), (a61, b6, c3, d16), (a61, b6, c3, d17), (a61, b6, c3, d18), (a61, b6, c3, d19), (a61, b6, c3, d20), (a61, b6, c3, d21), (a61, b6, c3, d22), (a62, b1, c1, d1), (a62, b1, c1, d2), (a62, b1, c1, d3), (a62, b1, c1, d4), (a62, b1, c1, d5), (a62, b1, c1, d6), (a62, b1, c1, d7), (a62, b1, c1, d8), (a62, b1, c1, d9), (a62, b1, c1, d10), (a62, b1, c1, d11), (a62 , b1, c1, d12), (a62, b1, c1, d13), (a62, b1, c1, d14), (a62, b1, c1, d15), (a62, b1, c1, d16), (a62, b1, c1, d17), (a62, b1, c1, d18), (a62, b1, c1, d19), (a62, b1, c1, d20), (a62, b1, c1, d21), (a62, b1, c1, d22), (a62, b1, c2, d1), (a62, b1, c2, d2), (a 62, b1, c2, d3), (a62, b1, c2, d4), (a62, b1, c2, d5), (a62, b1, c2, d6), (a62, b1, c2, d7), (a62, b1, c2, d8), (a62, b1, c2, d9), (a62, b1, c2, d10), (a62, b1, c2, d11), (a62, b1, c2, d12), (a62, b1, c2, d13), (a62, b1, c2, d14), (a62, b1, c2, d15), (a62, b1, c2, d16), (a62, b1, c2, d17), (a62, b1, c2, d18), (a62, b1, c2, d19), (a62, b1, c2, d20), (a62, b1, c2, d21), (a62, b1, c2, d22), (a62, b1, c3, d1), (a62, b1, c3, d2), (a62, b1, c3, d3), (a62, b1, c3, d4), (a62, b1, c3, d5), (a62, b1, c3, d6), (a62, b 1, c3, d7), (a62, b1, c3, d8), (a62, b1, c3, d9), (a62, b1, c3, d10), (a62, b1, c3, d11), (a62, b1, c3, d12), (a62, b1, c3, d13), (a62, b1, c3, d14), (a62, b1, c3, d15), (a62, b1, c3, d16), (a62, b1, c3, d17), (a62, b1, c3, d18), (a62, b1, c3, d19), (a62, b1, c3, d20), (a62, b1, c3, d21), (a62, b1, c3, d22), (a62, b2, c1, d1), (a62, b2, c1, d2), (a62, b2, c1, d3), (a62, b2, c1, d4), (a62, b2, c1, d5), (a62, b2, c1, d6), (a62, b2, c1, d7), (a62, b2, c1, d8), (a62, b2, c1, d9), (a62, b2, c1, d10), (a62, b2, c 1, d11), (a62, b2, c1, d12), (a62, b2, c1, d13), (a62, b2, c1, d14), (a62, b2, c1, d15), (a62, b2, c1, d16), (a62, b2, c1, d17), (a62, b2, c1, d18), (a62, b2, c1, d19), (a62, b2, c1, d20), (a62, b2, c1, d21), (a62, b2, c1, d22), (a62, b2, c2, d1), (a62, b2 , c2, d2), (a62, b2, c2, d3), (a62, b2, c2, d4), (a62, b2, c2, d5), (a62, b2, c2, d6), (a62, b2, c2, d7), (a62, b2, c2, d8), (a62, b2, c2, d9), (a62, b2, c2, d10), (a62, b2, c2, d11), (a62, b2, c2, d12), (a62, b2, c2, d13), (a62, b2, c2, d14), (a62, b2, c2 , d15), (a62, b2, c2, d16), (a62, b2, c2, d17), (a62, b2, c2, d18), (a62, b2, c2, d19), (a62, b2, c2, d20), (a62, b2, c2, d21), (a62, b2, c2, d22), (a62, b2, c3, d1), (a62, b2, c3, d2), (a62, b2, c3, d3), (a62, b2, c3, d4), (a62, b2, c3, d5), (a62, b2, c3, d6), (a62, b2, c3, d7), (a62, b2, c3, d8), (a62, b2, c3, d9), (a62, b2, c3, d10), (a62, b2, c3, d11), (a62, b2, c3, d12), (a62, b2, c3, d13), (a62, b2, c3, d14), (a62, b2, c3, d15), (a62, b2, c3, d16), (a62, b2, c3, d17), (a62, b2, c3, d18), (a62, b2, c3, d19), (a62, b2, c3, d20), (a62, b2, c3, d21), (a62, b2, c3, d22), (a62, b3, c1, d1), (a62, b3, c1, d2), (a62, b3, c1, d3), (a62, b3, c1, d4), (a62, b3, c1, d5), (a62, b3, c1, d6), (a62, b3, c1, d7), (a62, b3, c1, d8), (a62, b3

, c1, d9), (a62, b3, c1, d10) , (a62, b3, c1, d11), (a62, b3, c1, d12), (a62, b3 , c1, d13), (a62, b3, c1, d14), (a62, b3, c1, d15), (a62, b3, c1, d16), (a62, b3 , c1, d17), (a62, b3, c1, d18), (a62, b3, c1, d19), (a62, b3, c1, d20), (a62, b3 , c1, d21), (a62, b3, c1, d22), (a62, b3, c2, d1), (a62, b3, c2, d2), (a62, b3, c2, d3), (a62, b3, c2, d4), (a62, b3, c2, d5), (a62, b3, c2, d6), (a62, b3, c2, d7), (a62, b3, c2, d8), (a62, b3, c2, d9), (a62, b3, c2, d10), (a62, b3, c2, d11), (a62, b3, c2, d12), (a62, b3, c2, d13), (a62, b3, c2, d14), (a62, b3, c2, d1 5), (a62, b3, c2, d16), (a62, b3, c2, d17), (a62, b3, c2, d18), (a62, b3, c2, d1 9), (a62, b3, c2, d20), (a62, b3, c2, d21), (a62, b3, c2, d22), (a62, b3, c3, d1), (a62, b3, c3, d2), (a62, b3, c3, d3), (a62, b3, c3, d4), (a62, b3, c3, d5), (a62, b3, c3, d6), (a62, b3, c3, d7), (a62, b3, c3, d8), (a62, b3, c3, d9), (a62, b3, c3, d10), (a62, b3, c3, d11), (a62, b3, c3, d12), (a62, b3, c3, d13), (a62, b3, c3, d14), (a62, b3, c3, d15), (a62, b3, c3, d16), (a62, b3, c3, d17), (a62, b3, c3, d18), (a62, b3, c3, d19), (a62, b3, c3, d20), (a62, b3, c3, d21), (a62, b3, c3, d22), (a62, b4, c1, d1), (a62, b4, c1, d2), (a62, b4, c1, d3), (a62, b4 , c1, d4), (a62, b4, c1, d5), (a62, b4, c1, d6), (a62, b4, c1, d7), (a62, b4, c1 , d8), (a62, b4, c1, d9), (a62, b4, c1, d10), (a62, b4, c1, d11), (a62, b4, c1, d12), (a62, b4, c1, d13), (a62, b4, c1, d14), (a62, b4, c1, d15), (a62, b4, c1, d16), (a62, b4, c1, d17), (a62, b4, c1, d18), (a62, b4, c1, d19), (a62, b4, c1, d20), (a62, b4, c1, d21), (a62, b4, c1, d22), (a62, b4, c2, d1), (a62, b4, c2, d2), (a62, b4, c2, d3), (a62, b4, c2, d4), (a62, b4, c2, d5), (a62, b4, c2, d6) , (a62, b4, c2, d7), (a62, b4, c2, d8), (a62, b4, c2, d9), (a62, b4, c2, d10), (a62, b4, c2, d11), (a62, b4, c2, d12), (a62, b4, c2, d13), (a62, b4, c2, d14), (a62, b4, c2, d15), (a62, b4, c2, d16), (a62, b4, c2, d17), (a62, b4, c2, d18), (a62, b4, c2, d19), (a62, b4, c2, d20), (a62, b4, c2, d21), (a62, b4, c2, d22), (a62, b4, c3, d1), (a62, b4, c3, d2), (a62, b4, c3, d3), (a62, b4, c3, d4), (a62, b4, c3, d5), (a62, b4, c3, d6), (a62, b4, c3, d7), (a62, b4, c3, d8), (a62, b4, c3, d9), (a62, b4, c3, d10), (a62, b4, c3, d11), (a62, b4, c3, d12), (a62, b4, c3, d13), (a62, b4, c3, d14), (a62, b4, c3, d15), (a62, b4, c3, d16), (a62, b4, c3, d17), (a62, b 4, c3, d18), (a62, b4, c3, d19), (a62, b4, c3, d20), (a62, b4, c3, d21), (a62, b4, c3, d22), (a62, b5, c1, d1), (a62, b5, c1, d2), (a62, b5, c 1, d3), (a62, b5, c1, d4), (a62, b5, c1, d5), (a62, b5, c1, d6), (a62, b5, c1, d 7), (a62, b5, c1, d8), (a62, b5, c 1, d9), (a62, b5, c1, d10), (a62, b5, c1, d11), (a62, b5, c1, d12), (a62, b5, c1, d13), (a62, b5, c1, d14), (a62, b5, c1, d15), (a62, b5, c1, d16), (a62, b5, c1, d17), (a62, b5, c1, d18), (a62, b5, c1, d19), (a62, b5, c1, d20), (a62, b5, c1, d21), (a62, b5 , c1, d22), (a62, b5, c2, d1), (a62, b5, c2, d2), (a62, b5, c2, d3), (a62, b5, c2, d4), (a62, b5, c2, d5), (a62, b5, c2, d6), (a62, b5, c2, d7), (a62, b5, c2, d8), (a62, b5, c2, d9), (a62, b5, c2, d10), (a62, b5, c2, d11), (a62, b5, c2, d12), (a62, b5, c2, d13), (a62 , b5, c2, d14), (a62, b5, c2, d15), (a62, b5, c2, d16), (a62, b5, c2, d17), (a62 , b5, c2, d18), (a62, b5, c2, d19), (a62, b5, c2, d20), (a62, b5, c2, d21), (a62 , b5, c2, d22), (a62, b5, c3, d1), (a62, b5, c3, d2), (a62, b5, c3, d3), (a62, b 5, c3 , d4), (a62, b5, c3, d5), (a62, b5, c3, d6), (a62, b5, c3, d7), (a62, b5, c3, d8), (a62, b5, c3, d9), (a62, b5, c3, d10), (a62, b5, c3, d11), (a62, b5, c3 , d12), (a62, b5, c3, d13), (a62, b5, c3, d14), (a62, b5, c3, d15), (a62, b5, c3 , d16), (a62, b5, c3, d17), (a62, b5, c3, d18), (a62, b5, c3, d19), (a62, b5, c3 , d20), (a62, b5, c3, d21), (a62, b5, c3, d22), (a62, b6, c1, d1), (a62, b6, c1, d2), (a62, b6, c1, d3), (a62, b6, c1, d4), (a62, b6, c1, d5), (a62, b6, c1, d6) , (a62, b6, c1, d7), (a62, b6, c1, d8) , (a62, b6, c1, d9), (a62, b6, c1, d10), (a62, b6, c1, d11), (a62, b6, c1, d12), (a62, b6, c1, d13), (a62, b6, c1, d14),

(a62, b6, c1, d15), (a62, b6, c1, d16), (a62, b6, c1, d17), (a62, b6, c1, d18), (a62, b6, c1, d19), (a62, b6, c1, d20), (a62, b6, c1, d 21), (a62, b6, c1, d22), (a62, b6, c2, d1), (a62, b6, c2, d2), (a62, b6, c2, d3), (a62, b6, c2, d4), (a62, b6, c2, d5), (a62, b6, c2, d6), (a62, b6, c2, d7), (a62, b6, c2, d8), (a62, b6, c2, d9), (a62, b6, c2, d10), (a62, b6, c2, d11), (a62, b6, c2, d12), (a62, b6, c2, d13), (a62, b6, c2, d14), (a62, b6, c2, d15), (a62, b6, c2, d16), (a62, b6, c2, d17), (a62, b6, c2, d18), (a62, b6, c2, d19), (a62, b6, c2, d20), (a62, b6, c2, d21), (a62, b6, c2, d22), (a62, b6, c3, d1), (a62, b6, c3, d2), (a62, b6, c3, d3), (a62, b6, c3, d4), (a62, b6, c3, d5), (a62, b6, c3, d6), (a62, b6, c3, d7), (a62, b6, c3, d8), (a62, b6, c3, d9), (a62, b6, c3, d10), (a62, b6, c3, d11), (a62, b6, c3, d12), (a62, b6, c3, d13), (a62, b6, c3, d14), (a62, b6, c3, d15), (a62, b6, c3, d16), (a62, b6, c3, d17), (a62, b6, c3, d18), (a62, b6, c3, d19), (a62, b6, c3, d20), (a62, b6, c3, d21), (a62, b6, c3, d22), (a63, b1, c1, d1), (a63, b1, c1, d2), (a63, b1, c1, d3), (a63, b1, c1, d4), (a63, b1, c1, d5), (a63, b1, c1, d6), (a63, b1, c1, d7), (a63 , b1, c1, d8), (a63, b1, c1, d9), (a63, b1, c1, d10), (a63, b1, c1, d11), (a63, b1, c1, d12), (a63, b1, c1, d13), (a63, b1, c1, d14), (a63, b1, c1, d15), (a63, b1, c1, d16), (a63, b1, c1, d17), (a63, b1, c1, d18), (a63, b1, c1, d19), (a63, b1, c1, d20), (a 63, b1, c1, d21), (a 63, b1, c1, d22), (a63, b1, c2, d1), (a63, b1, c2, d2), (a63, b1, c2, d3), (a63, b1, c2, d4), (a63, b1, c2, d5), (a63, b1, c2, d6), (a63, b1, c2, d7), (a63, b1, c2, d8), (a63, b1, c2, d9), (a63, b1, c2, d10), (a63, b1, c2, d11), (a63, b 1, c2, d12), (a63, b1, c2, d13), (a63, b1, c2, d14), (a63, b1, c2, d15), (a63, b1, c2, d16), (a63, b1, c2, d17), (a63, b1, c2, d18), (a63, b1, c2, d19), (a63, b1, c2, d20), (a63, b1, c2, d21), (a63, b1, c2, d22), (a63, b1, c3, d1), (a63, b1, c 3, d2), (a63, b1, c3, d3), (a63, b1, c3, d4), (a63, b1, c3, d5), (a63, b1, c3, d6), (a63, b1, c3, d7), (a63, b1, c3, d8), (a63, b1, c3, d9), (a63, b1, c3, d10), (a63, b1, c3, d11), (a63, b1, c3, d12), (a63, b1, c3, d13), (a63, b1, c3, d14), (a63, b1, c3, d15), (a63, b1 , c3, d16), (a63, b1, c3, d17), (a63, b1, c3, d18), (a63, b1, c3, d19), (a63, b1, c3, d20), (a63, b1, c3, d21), (a63, b1, c3, d22), (a63, b2, c1, d1), (a63, b2, c1, d2), (a63, b2, c1, d3), (a63, b2, c1, d4), (a63, b2, c1, d5), (a63, b2, c1, d6), (a63, b2, c1, d7), (a63, b2, c1, d8), (a63, b2, c1, d9), (a63, b2, c1, d10), (a63, b2, c1, d11), (a63, b2, c1, d12), (a63, b2, c1, d13), (a63, b2, c1, d14), (a63, b2, c1, d15), (a63, b2, c1, d16), (a63, b2, c1, d17), (a63, b2, c1, d18), (a63, b2, c1, d19), (a63, b2, c1, d20), (a63, b2, c1, d21), (a63, b2, c1, d22), (a63, b2, c2, d1), (a63, b2, c2, d2), (a63, b2, c2, d3), (a63, b2, c2, d4), (a63, b2, c2, d5), (a63, b2, c2, d6), (a63, b2, c2, d7), (a63, b2, c2, d8), (a63, b2, c2, d9), (a63, b2, c2, d10), (a63, b2, c2, d11), (a63, b2, c2, d12), (a63, b2, c2, d13), (a63, b2, c2, d14), (a63, b2, c2, d15), (a63, b2, c2, d16), (a63, b2, c2, d17), (a63, b2, c2, d18), (a63, b2, c2, d19), (a63, b2, c2, d20), (a63, b2, c2, d21), (a63, b2, c2, d22), (a63, b2, c3, d1), (a63, b2, c 3, d2), (a63, b2, c3, d3), (a63, b2, c3, d4), (a63, b2, c3, d5), (a63, b2, c3, d6), (a63, b2, c3, d7), (a63, b2, c3, d8), (a63, b2, c3, d9), (a63, b2, c3, d10), (a63, b2, c3, d11), (a63, b2, c3, d12), (a63, b2, c3, d13), (a6

3, b2, c3, d14), (a63, b2, c3, d 15), (a63, b2, c3, d16), (a63, b2, c3, d17), (a63, b2, c3, d18), (a63, b2, c3, d19), (a63, b2, c3, d20), (a63, b2, c3, d21), (a63, b2, c3, d22), (a63, b3, c1, d1), (a63, b3, c1, d2), (a63, b3, c1, d3), (a63, b3, c1, d4), (a63, b3, c1, d5), (a63, b3, c1, d6), (a63, b3, c1, d7), (a63, b3, c1, d8), (a63, b3, c1, d9), (a63, b3, c1, d10), (a63, b3, c1, d11), (a63, b3, c1, d12), (a63, b3, c1, d13), (a63, b3, c1, d14), (a63, b3, c1, d15), (a63, b3,

c1, d16), (a63, b3, c1, d17), (a63, b3, c1, d18), (a63, b3, c1, d1 9), (a63, b3, c1, d20), (a63, b3, c1, d21), (a63, b3, c1, d22), (a63, b3, c2, d1), (a63, b3, c2, d2), (a63, b3, c2, d3), (a63, b3, c2, d4), (a63, b3, c2, d5), (a63, b3, c2, d6), (a63, b3, c2, d7), (a63, b3, c2, d8), (a63, b3, c2, d9), (a63, b3, c2, d10), (a63, b3, c2, d11), (a63, b3, c2, d12), (a63, b3, c2, d13), (a63, b3, c2, d14), (a63, b3, c2, d15), (a63, b3, c2, d16), (a63, b3, c2, d17), (a63, b3, c2, d18), (a63, b3, c2, d19), (a63, b3, c2, d20), (a63, b3, c2, d21), (a63, b3, c2, d22), (a63, b3, c3, d1) , (a63, b3, c3, d2), (a63, b3, c3, d3), (a63, b3, c3, d4), (a63, b3, c3, d5), (a63, b3, c3, d6), (a63, b3, c3, d7), (a63, b3, c3, d8), (a63, b3, c3, d9), (a63, b3, c3, d10), (a63, b3, c3, d11), (a63, b3, c3, d12), (a63, b3, c3, d13), (a63, b3, c3, d14), (a 63, b3, c3, d15), (a63, b3, c3, d16), (a63, b3, c3, d17), (a63, b3, c3, d18), (a63, b3, c3, d19), (a63, b3, c3, d20), (a63, b3, c3, d21), (a63, b3, c3, d22), (a63, b4, c1, d1), (a63, b4, c1, d2), (a63, b4, c1, d3), (a63, b4, c1, d4), (a63, b4, c1, d5), (a6 3, b4, c1, d6), (a63, b4, c1, d7), (a63, b4, c1, d8), (a63, b4, c1, d9), (a63, b4, c1, d10), (a63, b4, c1, d11), (a63, b4, c1, d12), (a63, b4, c1, d13), (a63, b4, c1, d14), (a63, b4, c1, d15), (a63, b4, c1, d16), (a63, b4, c1, d17), (a63, b4, c1, d18), (a6 3, b4, c1, d19), (a63, b4, c1, d20), (a63, b4, c1, d21), (a63, b4, c1, d22), (a63, b4, c2, d1), (a63, b4, c2, d2), (a63, b4, c2, d3), (a63, b4, c2, d4), (a63, b4, c2, d5), (a63, b4, c2, d6), (a63, b4, c2, d7), (a63, b4, c2, d8), (a63, b4, c2, d9), (a63, b4 , c2, d10), (a63, b4, c2, d11), (a63, b4, c2, d12), (a63, b4, c2, d13), (a63, b4, c2, d14), (a63, b4, c2, d15), (a63, b4, c2, d16), (a63, b4, c2, d17), (a63, b4, c2, d18), (a63, b4, c2, d19), (a63, b4, c2, d20), (a63, b4, c2, d21), (a63, b4, c2, d22), (a63 , b4, c3, d1), (a63, b4, c3, d2), (a63, b4, c3, d3), (a63, b4, c3, d4), (a63, b4, c3, d5), (a63, b4, c3, d6), (a63, b4, c3, d7), (a63, b4, c3, d8), (a63, b4, c3, d9), (a63, b4, c3, d10), (a63, b4, c3, d11), (a63, b4, c3, d12), (a63, b4, c3, d13), (a63, b4, c3, d14), (a63, b4, c3, d15), (a63, b4, c3, d16), (a63, b4, c3, d17), (a63, b4, c3, d18), (a63, b4, c3, d19), (a63, b4, c3, d20), (a63, b4, c3, d21), (a63, b4, c3, d22), (a63, b5, c1, d1), (a63, b5, c1, d2), (a63, b5, c1, d3), (a63, b5, c1, d4), (a63, b5, c1, d5), (a63, b5, c1, d6), (a63, b5, c1, d7), (a63, b5, c1, d8), (a63, b5, c1, d9), (a63, b5, c1, d10), (a63, b5, c1, d11), (a63, b5, c1, d12), (a63, b5, c1, d13), (a63, b5, c1, d14), (a63, b5, c1, d15), (a63, b5, c1, d16), (a63, b5, c1, d17), (a63, b5, c1, d18), (a63, b5, c1, d19), (a63, b5, c1, d20), (a63, b5, c1, d21), (a63, b5, c1, d22), (a63, b5, c2, d1), (a63, b5, c2, d2), (a63, b5, c2, d3), (a63, b5, c2, d4), (a63, b5, c2, d5), (a63, b5, c2, d6), (a63, b5, c2, d7), (a63, b5, c2, d8), (a63, b5, c2, d9), (a63, b5, c2, d10), (a63, b5, c2, d11), (a63, b5, c2, d12), (a63, b5, c2, d13), (a63, b5, c2, d14), (a63, b5, c2, d15), (a63, b5, c2, d16), (a63, b5, c2, d17), (a63, b5, c2, d18), (a63, b5, c2, d19), (a63, b5, c2, d20), (a63, b5, c2, d21), (a63, b5, c 2, d22), (a63, b5, c3, d1), (a63, b5, c3, d2), (a63, b5, c3, d3), (a63, b5, c3, d4), (a63, b5, c3, d5), (a63, b5, c3, d6), (a63, b5, c3, d7), (a63, b5, c3, d8), (a63, b5, c3, d9), (a63, b5, c3, d10), (a63, b5, c3, d11), (a63, b5, c3, d12), (a63, b5, c3, d1 3), (a63, b5, c3, d14), (a63, b5, c3, d15), (a63, b5, c3, d16), (a63, b5, c3, d17), (a63, b5, c3, d18), (a63, b5, c3, d19), (a63, b5, c3, d20), (a63, b5, c3, d21), (a63, b5, c3, d22), (a63, b6, c1, d1), (a63, b6, c1, d2), (a63, b6, c1, d3), (a63, b6, c1, d 4), (a63, b6, c1, d5), (a63, b6, c1, d6), (a63, b6, c1, d7), (a63, b6, c1, d8), (a63, b6, c1, d9), (a63, b6, c1, d10), (a63, b6, c1, d11), (a63, b6, c1, d12), (a63, b6, c1, d13), (a63, b6, c1, d14), (a63, b6, c1, d15), (a63, b6, c1, d16), (a63, b6, c1, d17), (a63, b6, c1, d18), (a63, b6, c1, d19), (a63, b6, c1, d20), (a63, b6, c1, d21

), (a63, b6, c1, d22), (a63, b6, c2, d1), (a63, b6, c2, d2), (a63, b6, c2, d3), (a63, b6, c2, d4), (a63, b6, c2, d5), (a63, b6, c2, d6), (a63, b6, c2, d7), (a63, b6, c2, d8), (a63, b6, c2, d9), (a63, b6, c2, d10), (a63, b6, c2, d11), (a63, b6, c2, d12), (a63, b6, c2, d13), (a63, b6, c2, d14), (a63, b6, c2, d15), (a63, b6, c2, d16), (a63, b6, c2, d17), (a63, b6, c2, d18), (a63, b6, c2, d19), (a63, b6, c2, d20), (a63, b6, c2, d21) , (a63, b6, c2, d22), (a63, b6, c3, d1), (a63, b6, c3, d2), (a63, b6, c3, d3), (a63, b6, c3, d4), (a63, b6, c3, d5), (a63, b6, c3, d6), (a63, b6, c3, d7), (a63, b6, c3, d8), (a63, b6, c3, d9), (a63, b6, c3, d10), (a63, b6, c3, d11), (a63, b6, c3, d12), (a6 3, b6, c3, d13), (a63, b6, c3, d14), (a63, b6, c3, d15), (a63, b6, c3, d16), (a63, b6, c3, d17), (a63, b6, c3, d18), (a63, b6, c3, d19), (a63, b6, c3, d20), (a63, b6, c3, d21), (a63, b6, c3, d22), (a64, b1, c1, d1), (a64, b1, c1, d2), (a64, b1, c1, d3), (a 64, b1, c1, d4), (a64, b1, c1, d5), (a64, b1, c1, d6), (a64, b1, c1, d7), (a64, b1, c1, d8), (a64, b1, c1, d9), (a64, b1, c1, d10), (a64, b1, c1, d11), (a64, b1, c1, d12), (a64, b1, c1, d13), (a64, b1, c1, d14), (a64, b1, c1, d15), (a64, b1, c1, d16), (a64 , b1, c1, d17), (a64, b1, c1, d18), (a64, b1, c1, d19), (a64, b1, c1, d20), (a64, b1, c1, d21), (a64, b1, c1, d22), (a64, b1, c2, d1), (a64, b1, c2, d2), (a64, b1, c2, d3), (a64, b1, c2, d4), (a64, b1, c2, d5), (a64, b1, c2, d6), (a64, b1, c2, d7), (a64, b 1, c2, d8), (a64, b1, c2, d9), (a64, b1, c2, d10), (a64, b 1, c2, d11), (a64, b1, c2, d12), (a64, b1, c2, d13), (a64, b1, c2, d14), (a64, b 1, c2, d15), (a64, b1, c2, d16), (a64, b1, c2, d17), (a64, b1, c2, d18), (a64, b 1, c2, d19), (a64, b1, c2, d20), (a64, b1, c2, d21), (a64, b1, c2, d22), (a64, b1, c3, d1), (a64, b1, c3, d2), (a64, b1, c3, d3), (a64, b1, c3, d4), (a64, b1, c3, d5), (a64, b1, c3, d6), (a64, b1, c3, d7), (a64, b1, c3, d8), (a64, b1, c3, d9), (a64, b1, c3, d10), (a64, b1, c3, d11), (a64, b1, c3, d12), (a64, b1, c3, d 13), (a64, b1, c3, d14), (a64, b1, c3, d15), (a64, b1, c3, d16), (a64, b1, c3, d 17), (a64, b1, c3, d18), (a64, b1, c3, d19), (a64, b1, c3, d20), (a64, b1, c3, d 21), (a64, b1, c3, d22), (a64, b2, c1, d1), (a64, b2, c1, d2), (a64, b2 , c1, d3), (a64, b2, c1, d4), (a64, b2, c1, d5), (a64, b2, c1, d6), (a64, b2, c1, d7), (a64, b2, c1, d8), (a64, b2, c1, d9), (a64, b2, c1, d10), (a64, b2, c1, d11), (a6 4, b2, c1, d12), (a64, b2, c1, d13), (a64, b2, c1, d14), (a64, b2, c1, d15), (a6 4, b2, c 1, d16), (a64, b2, c1, d17), (a64, b2, c1, d18), (a64, b2, c1, d19), (a 64, b2, c1, d20), (a64, b2, c1, d21), (a64, b2, c1, d22), (a64, b2, c2, d1), (a6 4, b2, c2, d2), (a64, b2, c2, d3), (a64, b2, c2, d4), (a64, b2, c2, d5), (a64, b 2, c2, d6), (a64, b2, c2, d7), (a64, b2, c2, d8), (a64, b2, c2, d9), (a64, b2, c2, d10), (a64, b2, c2, d11), (a64, b2, c2, d12), (a64, b2, c2, d13), (a64, b2, c2, d14), (a64, b2, c2, d15), (a64, b2, c2, d16), (a64, b2, c2, d17), (a64, b2, c2, d18), (a64, b2, c2, d19), (a64, b2, c2 , d20), (a64, b2, c2, d21), (a64, b2, c2, d22), (a64, b2, c3, d1), (a64, b2, c3, d2), (a64, b2, c3, d3), (a64, b2, c3, d4), (a64, b2, c3, d5), (a64, b2, c3, d6), (a64, b2, c3, d7), (a64, b2, c3, d8), (a64, b2, c3, d9), (a64, b2, c3, d10), (a64, b2, c3, d11), (a64, b2, c3, d12), (a64, b2, c3, d13), (a64, b2, c3, d14), (a64, b2, c3, d15), (a64, b2, c3, d16), (a64, b2, c3, d17), (a64, b2, c3, d18), (a64, b2, c3, d19), (a64, b2, c3, d20), (a64, b2, c3, d21), (a64, b2, c3, d22), (a64, b3, c1, d1), (a64, b3, c1, d2), (a64, b3, c1, d3), (a64, b3, c1, d4), (a64, b3, c1, d5), (a64, b3, c1, d6), (a6 4, b3, c1, d7), (a64, b3, c1, d8), (a64, b3, c1, d9), (a64, b3, c1, d10), (a64, b3, c1, d11), (a64, b3, c1, d12), (a64, b3, c1, d13), (a64, b3, c1, d14), (a64, b3, c1, d15) , (a64, b3, c1, d16), (a64, b3, c1, d17), (a64, b3, c1, d18), (a64, b3, c1, d19), (a64, b3, c1, d20), (a64, b3, c1, d21), (a64, b3, c1, d22), (a64, b3, c2, d1), (a64, b3, c2, d2), (a64, b3, c2, d3), (a64, b3, c2, d4), (a64, b3,

c2, d5), (a64, b3, c2, d6), (a64, b3, c2, d7), (a64, b3, c2, d8), (a64, b3, c2, d9), (a64, b3, c2, d10), (a64, b3, c2, d11), (a64, b3, c2, d12), (a64, b3, c2, d13), (a64, b3, c2, d14), (a64, b3, c2, d15), (a64, b3, c2, d16), (a64, b3, c2, d17), (a64, b3, c2, d18), (a64, b3, c2, d19), (a64, b3, c2, d20), (a64, b3, c2, d21), (a64, b3, c2, d22), (a64, b3, c3, d1), (a64, b3, c3, d2), (a64, b3, c3, d3), (a64, b3, c3, d4), (a64, b3, c3, d5), (a64, b3, c3, d6), (a64, b3, c3, d7), (a64, b3, c3, d8), (a64, b3, c3, d9), (a64, b3, c3, d10), (a64 , b3, c3, d11), (a64, b3, c3, d12), (a64, b3, c3, d13), (a64, b3, c3, d14), (a64, b3, c3, d15), (a64, b3, c3, d16), (a64, b3, c3, d17), (a64, b3, c3, d18), (a64, b3, c3, d19), (a64, b3, c3, d20), (a64, b3, c3, d21), (a64, b3, c3, d22), (a64, b4, c1, d1), (a64, b4, c1, d2), (a64, b4, c1, d3), (a64, b4, c1, d4), (a64, b4, c1, d5), (a64, b4, c1, d6), (a64, b4, c1, d7), (a64, b4, c1, d8), (a64, b4, c1, d9), (a64, b4, c1, d10), (a64, b4, c1, d11), (a64, b4, c1, d12), (a64, b4, c1, d13), (a64, b4, c1, d14), (a64, b4, c1, d15), (a64, b4, c1, d16), (a64, b4, c1, d17), (a64, b4 , c1, d18), (a64, b4, c1, d19), (a64, b4, c1, d20), (a64, b4, c1, d21), (a64, b4 , c1, d22), (a64, b4, c2, d1), (a64, b4, c2, d2), (a64, b4, c2, d3), (a64, b4, c 2, d4), (a64, b4, c2, d5), (a64, b4, c2, d6), (a64, b4, c2, d7), (a64, b4, c2, d 8), (a64, b4, c2, d9), (a64, b4, c2, d10), (a64, b4, c2, d11), (a64, b4, c2, d12), (a64, b4, c2, d13), (a64, b4, c2, d14), (a64, b4, c2, d15), (a64, b4, c2, d16), (a64, b4, c2, d17), (a64, b4, c2, d18), (a64, b4, c2, d19), (a64, b4, c2, d20), (a64, b4, c2, d21), (a64, b4, c2, d22), (a64, b4, c3, d1), (a64, b4, c3, d2), (a64, b4, c3, d3), (a64, b4, c3, d4), (a64, b4, c3, d5), (a64, b4, c3, d6), (a6 4
, b4, c3, d7), (a64, b4, c3, d8), (a64, b4, c3, d9), (a64, b4, c 3, d10), (a64, b4, c3, d11), (a64, b4, c3, d12), (a64, b4, c3, d13), (a64, b4, c3, d14), (a64, b4, c3, d15), (a64, b4, c3, d16), (a64, b4, c3, d17), (a64, b4, c3, d18), (a64, b4, c3, d19), (a64, b4, c3, d20), (a64, b4, c3, d21), (a64, b4, c3, d22), (a64, b 5, c1, d1), (a64, b5, c1, d2), (a64, b5, c1, d3), (a64, b5, c1, d4), (a64, b5, c1, d5), (a64, b5, c1, d6), (a64, b5, c1, d7), (a64, b5, c1, d8), (a64, b5, c1, d9), (a64, b5, c1, d10), (a64, b5, c1, d11), (a64, b5, c1, d12), (a64, b5, c1, d13), (a64, b5, c1 , d14), (a64, b5, c1, d15), (a64, b5, c1, d16), (a64, b5, c1, d17), (a64, b5, c1, d18), (a64, b5, c1, d19), (a64, b5, c1, d20), (a64, b5, c1, d21), (a64, b5, c1, d22), (a64, b5, c2, d1), (a64, b5, c2, d2), (a64, b5, c2, d3), (a64, b5, c2, d4), (a64, b5, c2 , d5), (a64, b5, c2, d6), (a64, b5, c2, d7), (a64, b5, c2, d8), (a64, b5, c2, d9), (a64, b5, c2, d10), (a64, b5, c2, d11), (a64, b5, c2, d12), (a64, b5, c2, d13), (a64, b5, c2, d14), (a64, b5, c2, d15), (a64, b5, c2, d16), (a64, b5, c2, d17), (a64, b5, c2, d18), (a64, b5, c2, d19), (a64, b5, c2, d20), (a64, b5, c2, d21), (a64, b5, c2, d22), (a64, b5, c3, d1), (a64, b5, c3, d2), (a64, b5, c3, d3), (a64, b5, c3, d4), (a64, b5, c3, d5), (a64, b5, c3, d6), (a64, b5, c3, d7), (a64, b5, c3, d8), (a64, b5, c3, d9) , (a64, b5 , c3, d10), (a64, b5, c3, d11), (a64, b5, c3, d12), (a64, b5, c3, d13), (a64, b5 , c3, d14), (a64, b5, c3, d15), (a64, b5, c3, d16), (a64, b5, c3, d17), (a64, b5 , c3, d18), (a64, b5, c3, d19), (a64, b5, c3, d20), (a64, b5, c3, d21), (a64, b5 , c3, d22), (a64, b6, c1, d1), (a64, b6, c1, d2), (a64, b6, c1, d3), (a64, b6, c 1, d4), (a64, b6, c1, d5), (a64, b6, c1, d6), (a64, b6, c1, d7), (a64, b6, c1, d 8), (a64, b6, c1, d9), (a64, b6, c1, d10), (a64, b6, c1, d11), (a64, b6, c1, d12), (a64, b6, c1, d13), (a64, b6, c1, d14), (a64, b6, c1, d15), (a64, b6, c1, d1 6), (a64, b6, c1, d17), (a64, b6, c1, d18), (a64, b6, c1, d19), (a64, b6, c1, d2 0), (a64, b6, c1, d21), (a64, b6, c1, d22), (a64, b6, c2, d1), (a64, b6, c2, d2) , (a64, b6, c2, d3), (a64, b6, c2, d4), (a64, b6, c2, d5), (a64, b6, c2, d6), (

a64, b6, c2, d7), (a64, b6, c2, d8), (a64, b6, c2, d9), (a64, b6, c2, d10), (a64
, b6, c2, d11), (a64, b6, c2, d12), (a64, b6, c2, d13), (a64, b6, c2, d14), (a64
, b6, c2, d15), (a64, b6, c2, d16), (a64, b6, c2, d17), (a64, b6, c2, d18), (a64
, b6, c2, d19), (a64, b6, c2, d20), (a64, b6, c2, d21), (a64, b6, c2, d22), (a64
, b6, c3, d1), (a64, b6, c3, d2), (a64, b6, c3, d3), (a64, b6, c3, d4), (a64, b6
, c3, d5), (a64, b6, c3, d6), (a64, b6, c3, d7), (a64, b6, c3, d8), (a64 , b6, c
3, d9), (a64, b6, c3, d10), (a64, b6, c3, d11), (a64, b6, c3, d12), (a64, b6, c3
, d13), (a64, b6, c3, d14), (a64, b6, c3, d15), (a64, b6, c3, d16), (a64, b6, c3
, d17), (a64, b6, c3, d18), (a64, b6, c3, d19), (a64, b6, c3, d20), (a64, b6, c3
, d21), (a64, b6, c3, d22), (a65, b1, c1, d1), (a65, b1, c1, d2), (a65, b1, c1,
d3), (a65, b1, c1, d4), (a65, b1, c1, d5), (a65, b1, c1, d6), (a65, b1, c1, d7)
, (a65, b1, c1, d8), (a65, b1, c1, d9), (a65, b1, c1, d10), (a65, b1, c1, d11),
(a65, b1, c1, d12), (a65, b1, c1, d13), (a65, b1, c1, d14), (a65, b1, c1, d15),
(a65, b1, c1, d16), (a65, b1, c1, d17), (a65, b1, c1, d18), (a65, b1, c1, d19),
(a65, b1, c1, d20), (a65, b1, c1, d21), (a65, b1, c1, d22), (a65, b1, c2, d1), (
a65, b1, c2, d2), (a65, b1, c2, d3), (a65, b1, c2, d4), (a65, b1, c2, d5), (a65
, b1, c2, d6), (a65, b1, c2, d7), (a65, b1, c2, d8), (a65, b1, c2, d9), (a65, b1
, c2, d10), (a65, b1, c2, d11), (a65, b1, c2, d12), (a65, b1, c2, d13), (a65, b1
, c2, d14), (a65, b1, c2, d15), (a65, b1, c2, d16), (a65, b 1, c2, d17), (a65, b
1, c2, d18), (a65, b1, c2, d19), (a65, b1, c2, d20), (a65, b1, c2, d21), (a65, b
1, c2, d22), (a65, b1, c3, d1), (a65, b1, c3, d2), (a65, b1, c3, d3), (a65, b1,
c3, d4), (a65, b1, c3, d5), (a65, b1, c3, d6), (a65, b1, c3, d7), (a65, b1, c3,
d8), (a65, b1, c3, d9), (a65, b1, c3, d10), (a65, b1, c3, d11), (a65, b1, c3, d1
2), (a65, b1, c3, d13), (a65, b1, c3, d14), (a65, b1, c3, d15), (a65, b1, c3, d1
6), (a65, b1, c3, d17), (a65, b1, c3, d18), (a65, b1, c3, d19), (a65, b1, c3, d2
0), (a65, b1 , c3, d21), (a65, b1, c3, d22), (a65, b2, c1, d1), (a65, b2, c1, d2
), (a65, b2, c1, d3), (a65, b2, c1, d4), (a65, b2, c1, d5), (a65, b2, c1, d6), (
a65, b2, c1, d7), (a65, b2, c1, d8), (a65, b2, c1, d9), (a65, b2, c1, d10), (a65
, b2, c1, d11), (a65, b2, c1, d12), (a65, b2, c1, d13), (a65, b2, c1, d14), (a6
5, b2, c1, d15), (a65, b2, c1, d16), (a65, b2, c1, d17), (a65, b2, c1, d18), (a6
5, b2, c1, d19), (a65, b2, c1, d20), (a65, b2, c1, d21), (a65, b2, c1, d22), (a6
5, b2, c2, d1), (a65, b2, c2, d2), (a65, b2, c 2, d3), (a65, b2, c2, d4), (a65,
b2, c2, d5), (a65, b2, c2, d6), (a65, b2, c2, d7), (a65, b2, c2, d8), (a65, b2,
c2, d9), (a65, b2, c2, d10), (a65, b2, c2, d11), (a65, b2, c2, d12), (a65, b2, c
2, d13), (a65, b2, c2, d14), (a65, b2, c2, d15), (a65, b2, c2, d16), (a65, b2, c
2, d17), (a65, b2, c2, d18), (a65, b2, c2, d19), (a65, b2, c2, d20), (a65, b2, c
2, d21), (a65, b2, c2, d22), (a65, b2, c3, d1), (a65, b2, c3, d2), (a65, b2, c3,
d3), (a65, b2, c3, d4), (a65, b2, c3, d5), (a65, b2, c3, d6), (a65, b2, c3, d7
), (a65, b2, c3, d8), (a65, b2, c3, d9), (a65, b2, c3, d10), (a65, b2, c3, d11),
(a65, b2, c3, d12), (a65, b2, c3, d13), (a65, b2, c3, d14), (a65, b2, c3, d15),
(a65, b2, c3, d16), (a65, b2, c3, d17), (a65, b2, c3, d18), (a65, b2, c3, d19),
(a65, b2, c3, d 20), (a65, b2, c3, d21), (a65, b2, c3, d22), (a65, b3, c1, d1),
(a65, b3, c1, d2), (a65, b3, c1, d3), (a65, b3, c1, d4), (a65, b3, c1, d5), (a6
5, b3, c1, d6), (a65, b3, c1, d7), (a65, b3, c1, d8), (a65, b3, c1, d9), (a65, b
3, c1, d10), (a65, b3, c1, d11), (a65, b3, c1, d12), (a65, b3, c1, d13), (a65, b
3, c1, d14), (a65, b3, c1, d15), (a65, b3, c1, d16), (a65, b3, c1, d17), (a65, b
3, c1, d18), (a65, b3, c1, d19), (a65, b3, c1, d20), (a65, b3, c1, d21), (a65, b
3, c1, d22), (a65, b3, c2, d1), (a65, b3, c2, d2) , (a65, b3, c2, d3), (a65, b3,
c2, d4), (a65, b3, c2, d5), (a65, b3, c2, d6), (a65, b3, c2, d7), (a65, b3, c2,
d8), (a65, b3, c2, d9), (a65, b3, c2, d10), (a65, b3, c2, d11), (a65, b3, c2, d

12), (a65, b3, c2, d13), (a65, b3, c2, d14), (a65, b3, c2, d15), (a65, b3, c2, d16), (a65, b3, c2, d17), (a65, b3, c2, d18), (a65, b3, c2, d19), (a65, b3, c2, d20), (a65, b3, c2, d21), (a65, b3, c2, d22), (a65, b3, c3, d1), (a65, b3, c3, d2), (a65, b3, c3, d3), (a65, b3, c3, d4), (a65, b3, c3, d5), (a65, b3, c3, d6), (a6 5, b3, c3, d7), (a65, b3, c3, d8), (a65, b3, c3, d9), (a65, b3, c3, d10), (a65, b3, c3, d11), (a65, b3, c3, d12), (a65, b3, c3, d13), (a65, b3, c3, d14), (a65, b3, c3, d15), (a65, b3, c3, d16), (a65, b3, c3, d17), (a65, b3, c3, d18), (a65, b3, c3, d19), (a 65, b3, c3, d20), (a65, b3, c3, d21), (a65, b3, c3, d22), (a65, b4, c1, d1), (a65, b4, c1, d2), (a65, b4, c1, d3), (a65, b4, c1, d4), (a65, b4, c1, d5), (a65, b4, c1, d6), (a65, b4, c1, d7), (a65, b4, c1, d8), (a65, b4, c1, d9), (a65, b4, c1, d10), (a65, b 4, c1, d11), (a65, b4, c1, d12), (a65, b4, c1, d13), (a65, b4, c1, d14), (a65, b4, c1, d15), (a65, b4, c1, d16), (a65, b4, c1, d17), (a65, b4, c1, d18), (a65, b4, c1, d19), (a65, b4, c1, d20), (a65, b4, c1, d21), (a65, b4, c1, d22), (a65, b4, c2, d1), (a65 , b4, c2, d2), (a65, b4, c2, d3), (a65, b4, c2, d4), (a65, b4, c2, d5), (a65, b4, c2, d6), (a65, b4, c2, d7), (a65, b4, c2, d8), (a65, b4, c2, d9), (a65, b4, c2, d10), (a65, b4, c2, d11), (a65, b4, c2, d12), (a65, b4, c2, d13), (a65, b4, c2, d14), (a65, b4 , c2, d15), (a65, b4, c2, d16), (a65, b4, c2, d17), (a65, b4, c2, d18), (a65, b4, c2, d19), (a65, b4, c2, d20), (a65, b4, c2, d21), (a65, b4, c2, d22), (a65, b4, c3, d1), (a65, b4, c3, d2), (a65, b4, c3, d3), (a65, b4, c3, d4), (a65, b4, c3, d5), (a65, b4, c3, d6), (a65, b4, c3, d7), (a65, b4, c3, d8), (a65, b4, c3, d9), (a65, b4, c3, d10), (a65, b4, c3, d11), (a65, b4, c3, d12), (a65, b4, c3, d13), (a65, b4, c3, d14), (a65, b4, c3, d15), (a65, b4, c3, d16), (a65, b4, c3, d17), (a65, b4, c3, d18), (a65, b4, c3, d19), (a65, b4, c3, d20), (a65, b4, c3, d21), (a65, b4, c3, d22), (a65, b5, c1, d1), (a65, b5, c1, d2), (a65, b5, c1, d3), (a65, b5, c1, d4), (a65, b5, c1, d5), (a65, b5, c1, d6), (a65, b5, c1, d7), (a65, b5, c1, d8), (a65, b5, c1, d9), (a65, b5, c1, d10), (a65, b5, c1, d11), (a65, b5, c1, d12), (a65, b5, c1, d13), (a65, b5, c1, d14), (a65, b5, c1, d15), (a65, b5, c1, d16), (a65, b5, c1, d17), (a65, b5, c1, d18), (a65, b5, c1, d19), (a65, b5, c1, d20), (a65, b5, c1, d21), (a65, b5, c1, d22), (a65, b5, c2, d1), (a65, b5, c2, d2), (a65, b5, c2, d3), (a65, b5, c2, d4), (a65, b5, c2, d5), (a65, b5, c2, d6), (a65, b5, c2, d7), (a65, b5, c2, d8), (a65, b5, c2, d9), (a65, b5, c2, d10), (a65, b5, c2, d11), (a65, b5, c2, d12), (a65, b5, c2, d13), (a65, b5, c2, d 14), (a65, b5, c2, d15), (a65, b5, c2, d16), (a65, b5, c2, d17), (a65, b5, c2, d18), (a65, b5, c2, d19), (a65, b5, c2, d20), (a65, b5, c2, d21), (a65, b5, c2, d22), (a65, b5, c3, d1), (a65, b5, c3, d2), (a65, b5, c3, d3), (a65, b5, c3, d4), (a65 , b5, c3, d 5), (a65, b5, c3, d6), (a65, b5, c3, d7), (a65, b5, c3, d8), (a65, b 5, c3, d9), (a65, b5, c3, d10), (a65, b5, c3, d11), (a65, b5, c3, d12), (a65, b5 , c3, d13), (a65, b5, c3, d14), (a65, b5, c3, d15), (a65, b5, c3, d16), (a65, b5 , c3, d17), (a65, b5, c3, d1 8), (a65, b5, c3, d19), (a65, b5, c3, d20), (a65, b 5, c3, d21), (a65, b5, c3, d22), (a65, b6, c1, d1), (a65, b6, c1, d2), (a65, b6, c1, d3), (a65, b6, c1, d4), (a65, b6, c1, d5), (a65, b6, c1, d6), (a65, b6, c1, d7), (a65, b6, c1, d8), (a65, b6, c1, d9), (a65, b6, c1, d10), (a65, b6, c1, d 11), (a65, b6, c1, d12), (a65, b6, c1, d13), (a65, b6, c1, d14), (a65, b6, c1, d 15), (a65, b6, c1, d16), (a65, b6, c1, d17), (a65, b6, c1, d18), (a65, b6, c1, d 19), (a65, b6, c1, d20), (a65, b6, c1, d21), (a65, b6, c1, d22), (a65, b6, c2, d1), (a65, b6, c2, d2), (a65, b6, c2, d3), (a65, b6, c2, d4), (a65, b6, c2, d5), (a65, b6, c2, d6), (a65, b6, c2, d7), (a65, b6, c2, d8), (a65, b6, c2, d9), (a6 5, b6, c2, d10), (a65, b6, c2, d11), (a65, b6, c2, d12), (a65, b6, c2, d13), (a 65, b6, c2, d14), (a65, b6, c2, d15), (a65, b6, c2, d16), (a65, b6, c2, d17), (a

65, b6, c2, d18), (a65, b6, c2, d19), (a65, b6, c2, d20), (a65, b6, c2, d21), (a
6
5, b6, c2, d22), (a65, b6, c3, d1), (a65, b6, c3, d2), (a65, b6, c3, d3), (a65,
b6, c3, d4), (a 65, b6, c3, d5), (a65, b6, c3, d6), (a65, b6, c3, d7), (a65, b6,
c3, d8), (a65, b6, c3, d9), (a65, b6, c3, d10), (a65, b6, c3, d11), (a65, b6, c
3, d12), (a65, b6, c3, d13), (a65, b6, c3, d14), (a65, b6, c3, d15), (a65, b6, c
3, d16), (a65, b6, c3, d17), (a6 5, b6, c3, d18), (a65, b6, c3, d19), (a65, b6,
c3, d20), (a65, b6, c3, d21), (a65, b6, c3, d22), (a66, b1, c1, d1), (a66, b1, c
1, d2), (a66, b1, c1, d3), (a66, b1, c1, d4), (a66, b1, c1, d5), (a66, b1, c1, d
6), (a66, b1, c1, d7), (a66, b1, c1, d8), (a66, b 1, c1, d9), (a66, b1, c1, d10)
, (a66, b1, c1, d11), (a66, b1, c1, d12), (a66, b1, c1, d13), (a66, b1, c1, d14)
, (a66, b1, c1, d15), (a66, b1, c1, d16), (a66, b1, c1, d17), (a66, b1, c1, d18)
, (a66, b1, c1, d19), (a66, b1, c1, d20), (a66, b1, c1, d21), (a66 , b1, c1, d22
), (a66, b1, c2, d1), (a66, b1, c2, d2), (a66, b1, c2, d3), (a66, b1, c2, d4), (
a66, b1, c2, d5), (a66, b1, c2, d6), (a66, b1, c2, d7), (a66, b1, c2, d8), (a66,
b1, c2, d9), (a66, b1, c2, d10), (a66, b1, c2, d11), (a66, b1, c2, d12), (a66,
b1, c2, d13), (a66, b1, c2, d14), (a66, b1, c2, d15), (a66, b1, c2, d16), (a66,
b1, c2, d17), (a66, b1, c2, d18), (a66, b1, c2, d19), (a66, b1, c2, d20), (a66,
b1, c2, d21), (a66, b1, c2, d22), (a66, b1, c3, d1), (a66, b1, c3, d2), (a66, b
1, c3, d3), (a66, b1 , c3, d4), (a66, b1, c3, d5), (a66, b1, c3, d6), (a66, b1,
c3, d7), (a66, b1, c3, d8), (a66, b1, c3, d9), (a66, b1, c3, d10), (a66, b1, c3,
d11), (a66, b1, c3, d12), (a66, b1, c3, d13), (a66, b1, c3, d14), (a66, b1, c3,
d15), (a66, b1, c3, d16), (a66, b1, c3, d17), (a66, b1, c3, d18), (a66, b1, c3,
d19), (a66, b1, c3, d20), (a66, b1, c3, d21), (a66, b1, c3, d22), (a66, b2, c1,
d1), (a66, b2, c1, d2), (a66, b2, c1, d3), (a66, b2, c1, d4), (a66, b2, c1, d5)
, (a66, b2, c1, d6), (a66, b2, c1, d7), (a66, b2, c1, d8), (a66, b2, c1, d9), (
a66, b2, c1, d10), (a66, b2, c1, d11), (a66, b2, c1, d12), (a66, b2, c1, d13), (
a66, b2, c1, d14), (a66, b2, c1, d15), (a66, b2, c1, d16), (a66, b2, c1, d17), (
a66, b2, c1, d18), (a66, b2, c1, d19), (a66, b2, c1, d20), (a66, b2, c 1, d21),
(a66, b2, c1, d22), (a66, b2, c2, d1), (a66, b2, c2, d2), (a66, b2, c2, d3), (a6
6, b2, c2, d4), (a66, b2, c2, d5), (a66, b2, c2, d6), (a66, b2, c2, d7), (a66, b
2, c2, d8), (a66, b2, c2, d9), (a66, b2, c2, d10), (a66, b2, c2, d11), (a66, b2,
c2, d1 2), (a66, b2, c2, d13), (a66, b2, c2, d14), (a66, b2, c2, d15), (a66, b2
, c2, d16), (a66, b2, c2, d17), (a66, b2, c2, d18), (a66, b2, c2, d19), (a66, b2
, c2, d20), (a66, b2, c2, d21), (a66, b2, c2, d22), (a66, b2, c3, d1), (a66, b2,
c3, d2), (a66, b2, c3, d3), (a66, b2, c3, d4), (a66, b2, c3, d5), (a66, b2, c3,
d6), (a66, b2, c3, d7), (a66, b2, c3, d8), (a66, b2, c3, d9), (a66, b2, c3, d10
), (a66, b2, c3, d11), (a66, b2, c3, d12), (a66, b2, c3, d13), (a66, b2, c3, d14
), (a66, b2, c3, d15), (a66, b2, c3, d16), (a66, b2, c3, d17), (a66, b2, c3, d1
8), (a66, b2, c3, d19), (a66, b2, c3, d20), (a66, b2, c3, d21), (a66, b2, c3, d2
2), (a66, b3, c1, d1), (a66, b3, c1, d2), (a66, b3, c1, d3), (a66, b3, c1, d4),
(a66, b3, c1, d5), (a66, b3, c1, d6), (a66, b3, c1, d7), (a66, b3, c1, d8), (a66
, b3, c1, d9), (a66, b3, c1, d10), (a66, b3, c1, d11), (a66, b3, c1, d12), (a66,
b3, c1, d13), (a66, b3, c1, d14), (a66, b3, c1, d15), (a66, b3, c1, d16), (a66,
b3, c1, d17), (a66, b3, c1, d18), (a66, b3, c1, d19), (a66, b3, c1, d20) , (a66
, b3, c1, d21), (a66, b3, c1, d22), (a66, b3, c2, d1), (a66, b3, c2, d2), (a66,
b3, c2, d3), (a66, b3, c2, d4), (a66, b3, c2, d5), (a66, b3, c2, d6), (a66, b3,
c2, d7), (a66, b3, c2, d8), (a66, b3, c2, d9), (a66, b3, c2, d10), (a66, b3, c2,
d11), (a6 6, b3, c2, d12), (a66, b3, c2, d13), (a66, b3, c2, d14), (a66, b3, c2
, d15), (a66, b3, c2, d16), (a66, b3, c2, d17), (a66, b3, c2, d18), (a66, b3, c2

, d19), (a66, b3, c2, d20), (a66, b3, c2, d21), (a66, b3, c2, d22), (a66, b3, c3 , d1), (a66, b3, c3, d2), (a66, b3, c3, d3), (a66, b3, c3, d4), (a66, b3, c3, d 5), (a66, b3, c3, d6), (a66, b3, c3, d7), (a66, b3, c3, d8), (a66, b3, c3, d9), (a66, b3, c3, d10), (a66, b3, c3, d11), (a66, b3, c3, d12), (a66, b3, c3, d13), (a66, b3, c3, d14), (a66, b3, c3, d15), (a66 , b3, c3, d16), (a66, b3, c3, d17), (a66, b3, c3, d18), (a66, b3, c3, d19), (a66, b3, c3, d20), (a66, b3, c3, d21), (a66, b3, c3, d22), (a66, b4, c1, d1), (a66, b4, c1, d2), (a66, b4, c1, d3), (a 66, b4, c1, d4), (a66, b4, c1, d5), (a66, b4, c1, d6), (a66, b4, c1, d7), (a66, b4, c1, d8), (a66, b4, c1, d9), (a66, b4, c1, d10), (a66, b4, c1, d11), (a66, b4 , c1, d12), (a66, b4, c1, d13), (a66, b4, c1, d14), (a66, b4, c1, d15), (a66, b4 , c1, d16), (a66, b4, c1, d17), (a66, b4, c1, d18), (a66, b4, c1, d19), (a66, b 4, c1, d20), (a66, b4, c1, d21), (a66, b4, c1, d22), (a66, b4, c2, d1), (a66, b4 , c2, d2), (a66, b4, c2, d3), (a66, b4, c2, d4), (a66, b4, c2, d5), (a66, b4, c2 , d6), (a66, b4, c2, d7), (a66, b4, c2, d8), (a66, b4, c2, d9), (a66, b4, c2, d1 0), (a66, b4, c2, d11), (a66, b4, c2, d12), (a66, b4, c2, d13), (a66, b4, c2, d1 4), (a66, b4, c2, d15), (a66, b4, c2, d16), (a66, b4, c2, d17), (a66, b4, c2, d1 8), (a66, b4, c2, d19), (a66, b4, c2, d20), (a66, b4, c2, d21), (a66, b4, c2, d2 2), (a66, b4, c3, d1), (a66, b 4, c3, d2), (a66, b4, c3, d3), (a66, b4, c3, d4), (a66, b4, c3, d5), (a66, b4, c3, d6), (a66, b4, c3, d7), (a66, b4, c3, d8), (a6 6, b4, c3, d9), (a66, b4, c3, d10), (a66, b4, c3, d11), (a66, b4, c3, d12), (a66 , b4, c3, d13), (a66, b4, c3, d14), (a66, b4, c 3, d15), (a66, b4, c3, d16), (a6 6, b4, c3, d17), (a66, b4, c3, d18), (a66, b4, c3, d19), (a66, b4, c3, d20), (a6 6, b4, c3, d21), (a66, b4, c3, d22), (a66, b5, c1, d1), (a66, b5, c1, d2), (a66, b5, c1, d3), (a66, b5, c1, d4), (a66, b5, c1, d5), (a66, b5, c1 , d6), (a66, b5 , c1, d7), (a66, b5, c1, d8), (a66, b5, c1, d9), (a66, b5, c1, d10), (a66, b5, c 1, d11), (a66, b5, c1, d12), (a66, b5, c1, d13), (a66, b5, c1, d14), (a66, b5, c 1, d15), (a66, b5, c1, d16), (a66, b5, c1, d17), (a66, b5, c1, d18), (a66, b5, c 1 , d19), (a66, b5, c1, d20), (a66, b5, c1, d21), (a66, b5, c1, d22), (a66, b5, c2, d1), (a66, b5, c2, d2), (a66, b5, c2, d3), (a66, b5, c2, d4), (a66, b5, c2, d5), (a66, b5, c2, d6), (a66, b5, c2, d7), (a66, b5, c2, d8), (a66, b5, c2, d9), (a66, b5, c2, d10), (a66, b5, c2, d11), (a66, b5, c2, d12), (a66, b5, c2, d13) , (a66, b5, c2, d14), (a66, b5, c2, d15), (a66, b5, c2, d16), (a66, b5, c2, d17) , (a66, b5, c2, d18), (a66, b5, c2, d19), (a66, b5, c2, d20), (a66, b5, c2, d21) , (a66, b5, c2, d22), (a66, b5, c3, d1), (a66, b5, c3, d2), (a66, b5, c3, d3), (a66, b5, c3, d4), (a66, b5, c3, d5), (a66, b5, c3, d6), (a66, b5, c3, d7), (a66 , b5, c3, d8), (a66, b5, c3, d9), (a66, b5, c3, d10), (a66, b5, c3, d11), (a66, b5, c3, d12), (a66, b5, c3, d13), (a66, b5, c3, d14) , (a66, b5, c3, d15), (a66, b5, c3, d16), (a66, b5, c3, d17), (a66, b5, c3, d18), (a66, b5, c3, d19), (a66, b5, c3, d20), (a66, b5, c3, d21), (a66, b5, c3, d22), (a66, b6, c1, d1), (a66, b6, c1, d2), (a66, b6, c1, d3), (a66, b6, c1, d4), (a66, b6, c1, d5), (a66, b6, c1, d6), (a66, b6, c1, d7), (a66, b6, c1, d8), (a66, b6, c1, d9), (a66, b6, c1, d10), (a66, b6, c1, d11), (a66, b6, c1, d12), (a66, b6, c1, d13), (a66, b6, c1, d14), (a66, b6, c1, d15), (a66, b6, c1, d16), (a66, b6, c1, d17), (a66, b6, c1, d18), (a66, b6, c1, d19), (a66, b6, c1, d20), (a66, b6, c1, d21), (a66, b6, c1 , d22), (a66, b6, c2, d1), (a66, b6, c2, d2), (a66, b6, c2, d3), (a66, b6, c2, d 4), (a66, b6, c2, d5), (a66, b6, c2, d6), (a66, b6, c2, d7), (a66, b6, c2, d8), (a66, b6, c2, d9), (a66 , b6, c2, d10), (a66, b6, c2, d11), (a66, b6, c2, d12), (a66, b6, c2, d13), (a66, b6, c2, d14), (a66, b6, c2, d15), (a66, b6, c2, d16), (a66, b6, c2, d17), (a66, b6, c2, d18), (a66, b6, c2, d19), (a66, b6, c2, d20), (a66, b6, c2, d21), (a66, b6, c2, d22), (a66, b6, c3, d1), (a66, b6, c3, d2), (a

66, b6, c3, d3), (a66, b6, c3, d4), (a66, b6, c3, d5), (a66, b6, c3, d6), (a66, b6, c3, d7), (a66, b6, c3, d8), (a66, b6, c3, d9), (a66, b6, c3, d10), (a66, b6, c3, d11), (a66, b6, c3, d12), (a66, b6, c3, d13), (a66, b6, c3, d14), (a66, b6, c3, d15), (a66, b6, c3, d16), (a66, b6, c3, d17), (a66, b6, c3, d18), (a66, b6, c3, d19), (a66, b6, c3, d20), (a66, b6, c3, d21), (a66, b6, c3, d22), (a67, b1, c1, d1), (a67, b1, c1, d2), (a67, b1, c1, d3), (a67, b1, c1, d4), (a67, b1, c1, d5), (a67, b1, c1, d6), (a67, b1, c1, d7), (a67, b1, c1, d8), (a67, b1, c1, d9), (a67, b1, c1, d10), (a67, b1, c1, d11), (a67, b1, c1, d12), (a67, b1, c1, d13), (a67, b1, c1, d14), (a67, b1, c1, d15), (a67, b1, c1, d16), (a67, b1, c1, d17), (a67, b1, c1, d18), (a67, b1, c1, d19), (a67, b1, c1, d20), (a67, b1, c1, d21), (a67, b1, c1, d22), (a67, b1, c2, d1), (a67, b1, c2, d2), (a67, b1, c2, d3), (a67, b1, c2, d4), (a67, b1, c2, d5), (a67, b1, c2, d6), (a67, b1, c2, d7), (a67, b1, c2, d8), (a67, b1, c2, d9), (a67, b1, c2, d10), (a67, b1, c2, d11), (a67, b1, c2, d12), (a67, b1, c2, d13), (a67, b1, c2, d14), (a67, b1, c2, d15), (a67, b1, c2, d16), (a67, b1, c2, d17), (a67, b1, c2, d18), (a67, b1, c2, d19), (a67, b1, c2, d20), (a67, b1, c2, d21), (a67, b 1, c2, d22), (a67, b1, c3, d1), (a67, b1, c3, d2), (a67, b1, c3, d3), (a67, b1, c3, d4), (a67, b1, c3, d5), (a67, b1, c3, d6), (a67, b1, c3, d7), (a67, b1, c3, d8), (a67, b1, c3, d9), (a67, b1, c3, d10), (a67, b1, c3, d11), (a67, b1, c3, d12), (a67, b1, c3 , d13), (a67, b1, c3, d14), (a67, b1, c3, d15), (a67, b1, c3, d16), (a67, b1, c3, d17), (a67, b1, c3, d18), (a67, b1, c3, d19), (a67, b1, c3, d20), (a67, b1, c3, d21), (a67, b1, c3, d22), (a67, b2, c1, d1), (a67, b2, c1, d2), (a67, b2, c1, d3), (a67, b2, c 1, d4), (a67, b2, c1, d5), (a67, b2, c1, d6), (a67, b2, c1, d7), (a67, b2, c1, d8), (a67, b2, c1, d9), (a67, b2, c1, d10), (a67, b2, c1, d11), (a67, b2, c1, d12), (a67, b2, c1, d13), (a67, b2, c1, d14), (a67, b2, c1, d15), (a67, b2, c1, d16), (a67, b2, c1, d17), (a67, b2, c1, d18), (a67, b2, c1, d19), (a67, b2, c1, d20), (a67, b2, c1, d21), (a67, b2, c1, d22), (a67, b2, c2, d1), (a67, b2, c2, d2), (a67, b2, c2, d3), (a67, b2, c2, d4), (a67, b2, c2, d5), (a67, b2, c2, d6), (a67, b2, c2, d7), (a67, b2, c2, d8), (a67, b2, c2, d9), (a67, b2, c2, d10), (a67, b2, c2, d11), (a67, b2, c2, d12), (a67, b2, c2, d13), (a67, b2, c2, d14), (a67, b2, c2, d15), (a67, b2, c2, d16), (a67, b2, c2, d17), (a67, b2, c2, d18), (a67, b2, c2, d19), (a67, b2, c2, d20), (a67, b2, c2, d21), (a67, b2, c2, d22), (a67, b2, c3, d1), (a67, b2, c3, d2), (a67, b2, c3, d3), (a67, b2, c3, d4), (a67, b2, c3, d5), (a67, b2, c3, d6), (a67, b2, c3, d7), (a67, b2, c3, d8), (a67, b2, c3, d9), (a67, b2, c3, d10), (a67, b2, c3, d11), (a67, b2, c3, d12), (a67, b2, c3, d13), (a67, b2, c3, d14), (a67, b2, c3, d15), (a67, b2, c3, d16), (a67, b2, c3, d17), (a67, b2, c3, d18), (a67, b2, c3, d19), (a67, b2, c3, d20), (a67, b2, c3, d21), (a67, b2, c3, d22), (a67, b3, c1, d1), (a67, b3, c1, d2), (a67, b3, c1, d3), (a67, b3, c1, d4), (a67, b3, c1, d5), (a67, b3, c1, d6), (a67, b3, c1, d7), (a67, b3, c1, d8), (a67, b3, c1, d9), (a67, b3, c1, d10), (a67, b3, c1, d11), (a67, b3, c1, d12), (a67, b3, c1, d13), (a67, b3, c1, d14), (a67, b3, c1, d15), (a67, b3, c1, d16), (a67, b3, c1, d17), (a67, b3, c1, d18), (a67, b3, c1, d19), (a67, b3, c1, d20), (a67, b3, c1, d21), (a67, b3, c1, d22), (a67, b3, c2, d1), (a67, b3, c2, d2), (a67, b3, c2, d3), (a67, b3, c2, d4), (a67, b3, c2, d5), (a67, b3, c2, d6), (a67, b3, c2, d7), (a6 7, b3, c2, d8), (a67, b3, c2, d9), (a67, b3, c2, d10), (a67, b3, c2, d11), (a67, b3, c2, d12), (a67, b3, c2, d13), (a67, b3, c2, d14), (a67, b3, c2, d15), (a67, b3, c2, d16), (a67, b3, c2, d17), (a67, b3, c2, d18), (a67, b3, c2, d19), (a67, b3, c2, d20), (a67, b3, c2, d21), (a67, b3, c2, d22), (a67, b3, c3, d1), (a67, b3, c3, d2), (a67, b3, c3, d3), (a67, b3, c3,

d4), (a67, b3, c3, d5), (a67, b3, c3, d6), (a67, b3, c3, d7), (a67, b3, c3, d8), (a67, b3, c3, d9), (a67, b3, c3, d10), (a67, b3, c3, d11), (a67, b3, c3, d12), (a67, b3, c3, d13), (a67, b3, c3, d14), (a67, b3, c3, d15), (a67, b3, c3, d16), (a67, b3, c3, d17), (a67, b3, c3, d18), (a67, b3, c3, d19), (a67, b3, c3, d20), (a67, b3, c3, d21), (a67, b3, c3, d22), (a67, b4, c1, d1), (a67, b4, c1, d2), (a67 , b4, c1, d3), (a67, b4, c1, d4), (a67, b4, c1, d5), (a67, b4, c1, d6), (a67, b4, c1, d7), (a67, b4, c1, d8), (a67, b4, c1, d9), (a67, b4, c1, d10), (a67, b4, c1, d11), (a67, b4, c1, d12), (a67, b4, c1, d13), (a67, b4, c1, d14), (a67, b4, c1, d15), (a67, b 4, c1, d16), (a67, b4, c1, d17), (a67, b4, c1, d18), (a67, b4, c1, d19), (a67, b4, c1, d20), (a67, b4, c1, d21), (a67, b4, c1, d22), (a67, b4, c2, d1), (a67, b4, c2, d2), (a67, b4, c2, d3), (a67, b4, c2, d4), (a67, b4, c2, d5), (a67, b4, c2, d6), (a67, b4, c2, d7), (a67, b4, c2, d8), (a67, b4, c2, d9), (a67, b4, c2, d10), (a67, b4, c2, d11), (a67, b4, c2, d12), (a67, b4, c2, d13), (a67, b4, c2, d14), (a67, b4, c2, d15), (a67, b4, c2, d16), (a67, b4, c2, d17), (a67, b4, c2, d18), (a67, b4, c2, d19), (a67, b4 , c2, d20), (a67, b4, c2, d21), (a67, b4, c2, d22), (a67, b4, c3, d1), (a67, b4, c3, d2), (a67, b4, c3, d3), (a67, b4, c3, d4), (a67, b4, c3, d5), (a67, b4, c3, d6), (a67, b4, c3, d7), (a67, b4, c3, d8), (a67, b4, c3, d9), (a67, b4, c3, d10), (a67, b4, c3, d11), (a67, b4, c3, d12), (a67, b4, c3, d13), (a67, b4, c3, d14), (a67, b4, c3, d15), (a67, b4, c3, d16), (a67, b4, c3, d17), (a67, b4, c3, d18), (a67, b4, c3, d19), (a67, b4, c3, d20), (a67, b4, c3, d21), (a67, b4, c3, d22), (a67, b5, c1, d1), (a67, b5, c1, d2), (a67, b5, c1, d3), (a67, b5, c1, d4), (a67, b5, c1, d5), (a67, b5, c1, d6), (a67, b5, c1, d7), (a67, b5, c1, d8), (a67, b5, c1, d9), (a67, b5, c1, d10), (a67, b5, c1, d11), (a67, b5, c1, d12), (a67, b5, c1, d13), (a67, b5, c1, d14), (a67, b5, c1, d15), (a67, b5, c1, d16), (a67, b5, c1, d17), (a67, b5, c1, d18), (a67, b5, c1, d19), (a67, b5, c1, d20), (a67, b5, c1, d21), (a67, b5, c1, d22), (a67, b5, c2, d1), (a67, b5, c2, d2), (a67, b5, c2, d3), (a67, b5, c2, d4), (a67, b5, c2, d5), (a67, b5, c2, d 6), (a67, b5, c2, d7), (a67, b5, c2, d8), (a67, b5, c2, d9), (a67, b5, c2, d10), (a67, b5, c2, d11), (a67, b5, c2, d12), (a67, b5, c2, d13), (a67, b5, c2, d14), (a67, b5, c2, d15), (a67, b5, c2, d16), (a67, b5, c2, d17), (a67, b5, c2, d18), (a67, b5, c2, d 19), (a67, b5, c2, d20), (a67, b5, c2, d21), (a67, b5, c2, d22), (a67, b5, c3, d1), (a67, b5, c3, d2), (a67, b5, c3, d3), (a67, b5, c3, d4), (a67, b5, c3, d5), (a67, b5, c3, d6), (a67, b5, c3, d7), (a67, b5, c3, d8), (a67, b5, c3, d9), (a67, b5, c3, d10), (a67, b5, c3, d11), (a67, b5, c3, d12), (a67, b5, c3, d13), (a67, b5, c3, d14), (a67, b5, c3, d15), (a67, b5, c3, d16), (a67, b5, c3, d17), (a67, b5, c3, d18), (a67, b5, c3, d19), (a67, b5, c3, d20), (a67, b5, c3, d21), (a67, b5, c3, d22), (a67, b6, c1, d1), (a67, b6, c1, d2), (a67, b6, c1, d3), (a67, b6, c1, d4), (a67, b6, c1, d5), (a67, b6, c1, d6), (a67, b6, c1, d7), (a67, b6, c1, d8), (a67, b6, c1, d9), (a67, b6, c1, d10), (a67, b6, c1, d11), (a67, b6, c1, d12), (a67, b6, c1, d13), (a67, b6, c1, d14), (a67, b6, c1, d15), (a67, b6, c1, d16), (a67, b6, c1, d17), (a67, b6, c1, d18), (a67, b6, c1, d19), (a67, b6, c1, d20), (a67, b6, c1, d21), (a67, b6, c1, d22), (a67, b6, c2, d1), (a67, b6, c2, d2), (a67, b6, c2, d3), (a67, b6, c2, d4), (a67, b6, c2, d5), (a 67, b6, c2, d6), (a67, b6, c2, d7), (a67, b6, c2, d8), (a67, b6, c2, d9), (a67, b6, c2, d10), (a67, b6, c2, d11), (a67, b6, c2, d12), (a67, b6, c2, d13), (a67, b6, c2, d14), (a67, b6, c2, d15), (a67, b6, c2, d16), (a67, b6, c2, d17), (a67, b6, c2, d18), (a 67, b6, c2, d19), (a67, b6, c2, d20), (a67, b6, c2, d21), (a67, b6, c2, d22), (a67, b6, c3, d1), (a67, b6, c3, d2), (a67, b6, c3, d3), (a67, b6, c3, d4), (a67, b6, c3, d5), (a67, b6, c3, d6), (a67, b6, c3, d7), (a67, b6, c3, d8), (a67, b6, c3, d9), (a67, b 6,

c3, d10), (a67, b6, c3, d11), (a67, b6, c3, d12), (a67, b6, c3, d13), (a67, b6, c3, d14), (a67, b6, c3, d15), (a67, b6, c3, d16), (a67, b6, c3, d17), (a67, b6, c3, d18), (a67, b6, c3, d19), (a67, b6, c3, d20), (a67, b6, c3, d21), (a67, b6, c3, d22), (a6 8, b1, c1, d1), (a68, b1, c1, d2), (a68, b1, c1, d3), (a68, b1, c 1, d4), (a68, b1, c1, d5), (a68, b1, c1, d6), (a68, b1, c1, d7), (a68, b1, c1, d 8), (a68, b1, c1, d9), (a68, b1, c1, d10), (a68, b1, c1, d11), (a68, b1, c1, d12), (a68, b1, c1, d13), (a68, b1 , c1, d14), (a68, b1, c1, d15), (a68, b1, c1, d1 6), (a68, b1, c1, d17), (a68, b1, c1, d18), (a68, b1, c1, d19), (a68, b1, c1, d2 0), (a68, b1, c1, d21), (a68, b1, c1, d22), (a68, b1, c2, d1), (a68, b1, c2, d2) , (a68, b1, c2, d3), (a68, b1, c2, d4), (a68, b1 , c2, d5), (a68, b1, c2, d6), (a68, b1, c2, d7), (a68, b1, c2, d8), (a68, b1, c2, d9), (a68, b1, c2, d10), (a68 , b1, c2, d11), (a68, b1, c2, d12), (a68, b1, c2, d13), (a68, b1, c2, d14), (a68 , b1, c2, d15), (a68, b1, c2, d16), (a68, b1, c2, d17), (a68, b1, c2, d18), (a6 8, b1, c2, d19), (a68, b1, c2, d20), (a68, b1, c2, d21), (a68, b1, c2, d22), (a6 8, b1, c3, d1), (a68, b1, c3, d2), (a68, b1, c3, d3), (a68, b1, c3, d4), (a68, b 1, c3, d5), (a68, b1, c3, d6), (a68, b1, c3, d7), (a68, b1, c3, d8), (a68, b1, c 3, d9), (a68, b1, c3, d10), (a68, b1, c3, d11), (a68, b1, c3, d12), (a68, b1, c 3, d13), (a68, b1, c3, d14), (a68, b1, c3, d15), (a68, b1, c3, d16), (a68, b1, c 3, d17), (a68, b1, c3, d18), (a68, b1, c3, d19), (a68, b1, c3, d20), (a68, b1, c 3, d21), (a68, b1, c3, d22), (a68, b2, c1, d1), (a68, b2, c1, d2), (a68, b2, c1, d3), (a68, b2, c1, d4), (a68, b2, c1, d5), (a68, b2, c1, d6), (a68, b2, c1, d7) , (a68, b2, c1, d8), (a68, b2, c1, d9), (a68, b2, c1, d10), (a68, b2, c1, d11), (a68, b2, c1, d12), (a68, b2, c1, d 13), (a68, b2, c1, d14), (a68, b2, c1, d15), (a68, b2, c1, d16), (a68, b2, c1, d17), (a68, b2, c1, d18), (a68, b2, c1, d19), (a68, b2, c1, d20), (a68, b2, c1, d21), (a68, b2, c1, d22), (a68, b2, c2, d1), (a68, b2, c2, d2), (a68, b2, c2, d3), (a68, b2, c2, d4), (a68, b2, c2, d5), (a68 , b2, c2, d6), (a68, b2, c2, d7), (a68, b2, c2, d8), (a68, b2, c2, d9), (a68, b2 , c2, d10), (a68, b2, c2, d11), (a68, b2, c2, d12), (a68, b2, c2, d13), (a68, b2 , c2, d14), (a68, b2, c2, d15), (a68, b2, c2, d16), (a68, b2, c2, d1 7), (a68, b 2, c2, d18), (a68, b2, c2, d19), (a68, b2, c2, d20), (a68, b2, c2, d21), (a68, b 2, c2, d22), (a68, b2, c3, d1), (a68, b2, c3, d2), (a68, b2, c3, d3), (a68, b2, c3, d4), (a68, b2, c3, d5), (a68, b2, c3, d6), (a68, b2, c3, d7), (a68, b2, c3, d8), (a68, b2, c3, d9), (a68, b2, c3, d10), (a68, b2, c3, d11), (a68, b2, c3, d1 2), (a68, b2, c3, d13), (a68, b2, c3, d14), (a68, b2, c3, d15), (a68, b2, c3, d1 6), (a68, b2, c3, d17), (a68, b2, c3, d18), (a68, b2, c3, d19), (a68, b2, c3, d2 0), (a68, b2, c3, d21), (a68, b2, c3, d22), (a68, b3, c1, d1), (a68, b3, c1, d2), (a68, b3, c1, d3), (a68, b3, c1, d4), (a68, b3, c1, d5), (a68, b3, c1, d6), (a68, b3, c1, d7), (a68, b3, c1, d8), (a68, b3, c1, d9), (a68, b3, c1, d10), (a68 , b3, c1, d11), (a68, b3, c1, d12), (a 68, b3, c1, d13), (a68, b3, c1, d14), (a6 8, b3, c1, d15), (a68, b3, c1, d16), (a68, b3, c1, d17), (a68, b3, c1, d18), (a6 8, b3, c1, d19), (a68, b3, c1, d20), (a68, b3, c1, d21), (a68, b3, c1, d22), (a6 8, b3, c2, d1), (a68, b3, c2, d2), (a68, b3, c2, d3), (a68, b3, c2, d4), (a68, b3, c2, d5), (a68, b3, c2, d6), (a68, b3, c2, d7), (a68, b3, c2, d8), (a68, b3, c2, d9), (a68, b3, c2, d10), (a68, b3, c2, d11), (a68, b3, c2, d12), (a68, b3, c 2, d13), (a68, b3, c2, d14), (a68, b3, c2, d15), (a68, b3, c2, d16), (a6 8, b3, c2, d17), (a68, b3, c2, d18), (a68, b3, c2, d19), (a68, b3, c2, d20), (a68, b3, c2, d21), (a68, b3, c2, d22), (a68, b3, c3, d1), (a68, b3, c3, d2), (a68, b3, c3 , d3), (a68, b3, c3, d4), (a68, b3, c3, d5), (a68, b3, c3, d6), (a68, b3, c3, d7), (a68, b3, c3, d8), (a68, b3, c3, d9), (a68, b3, c3, d10), (a68, b3, c3, d11), (a68, b3, c3, d12), (a68, b3, c3, d13), (a68, b3, c3, d14), (a68, b3, c3, d15),

(a68, b3, c3, d16), (a68, b3, c3, d17), (a68, b3, c3, d18), (a68, b3, c3, d19), (a68, b3, c3, d20), (a68 , b3, c3, d21), (a68, b3, c3, d22), (a68, b4, c1, d1), (a68, b4, c1, d2), (a68, b4, c1, d3), (a68, b4, c1, d4), (a68, b4, c1, d5), (a68, b4, c1, d6), (a68, b4, c1, d7), (a68, b4, c1, d8), (a68, b4, c1, d9), (a68, b4, c1, d10), (a68, b4, c1, d11), (a68, b4, c1, d12), (a68, b4, c1, d13), (a68, b4, c1, d14), (a68, b4, c1, d15), (a68, b4, c1, d16), (a68, b4, c1, d17), (a68, b4, c1, d18), (a68, b4, c1, d19), (a68, b4, c1, d20), (a68, b4, c1, d21), (a68, b4, c1, d22), (a68, b4, c2, d1), (a68, b4, c2, d2), (a68, b 4, c2, d3), (a68, b4, c2, d4), (a68, b4, c2, d5), (a68, b4, c2, d6), (a68, b4, c2, d7), (a68, b4, c2, d8), (a68, b4, c2, d9), (a68, b4, c2, d10), (a68, b4, c2, d11), (a68, b4, c2, d12), (a68, b4, c2, d13), (a68, b4, c2, d14), (a68, b4, c2, d15), (a68, b4, c2, d16), (a68, b4, c2, d17), (a68, b4, c2, d18), (a68, b4, c2, d19), (a68, b4, c2, d20), (a68, b4, c2, d21), (a68, b4, c2, d22), (a68, b4, c3, d1), (a68, b4, c3, d2), (a68, b4, c3, d3), (a68, b4, c3, d4), (a68, b4, c3, d5), (a68, b4, c3, d6), (a68, b4, c3 , d7), (a68, b4, c3, d8), (a68, b4, c3, d9), (a68, b4, c3, d10), (a68, b4, c3, d11), (a68, b4, c3, d12), (a68, b4, c3, d13), (a68, b4, c3, d14), (a68, b4, c3, d15), (a68, b4, c3, d16), (a68, b4, c3, d17), (a68, b4, c3, d18), (a68, b4, c3, d19), (a68, b4, c 3, d20), (a68, b4, c3, d21), (a68, b4, c3, d22), (a68, b5, c1, d1), (a68, b5, c1, d2), (a68, b5, c1, d3), (a68, b5, c1, d4), (a68, b5, c1, d5), (a68, b5, c1, d6), (a68, b5, c1, d7), (a68, b5, c1, d8), (a68, b5, c1, d9), (a68, b5, c1, d10), (a68, b5, c1, d1 1), (a68, b5, c1, d12), (a68, b5, c1, d13), (a68, b5, c1, d14), (a68, b5, c1, d15), (a68, b5, c1, d16), (a68, b5, c1, d17), (a68, b5, c1, d18), (a68, b5, c1, d19), (a68, b5, c1, d20), (a68, b5, c1, d21), (a68, b5, c1, d22), (a68, b5, c2, d1), (a68, b5, c2, d2), (a68, b5, c2, d3), (a68, b5, c2, d4), (a68, b5, c2, d5), (a68, b5, c2, d6), (a68, b5, c2, d7), (a68, b5, c2, d8), (a68, b5, c2, d9), (a68, b5, c2, d10), (a68, b5, c2, d11), (a68, b5, c2, d12), (a68, b5, c2, d13), (a68, b5, c2, d14), (a68, b5, c2, d15), (a68, b5, c2, d16), (a68, b5, c2, d17), (a68, b5, c2, d18), (a68, b5, c2, d19), (a68, b5, c2, d20), (a68, b5, c2, d21), (a68, b5, c2, d22), (a68, b5, c3, d1), (a68, b5, c3, d2), (a68, b5, c3, d3), (a68, b5, c3, d4), (a68, b5, c3, d5), (a68, b5, c3, d6), (a68, b5, c3, d7), (a68, b5, c3, d8), (a68, b5, c3, d9), (a68, b5, c3, d10), (a68, b5, c3, d11), (a68, b5, c3, d12), (a68, b5, c3, d13), (a68, b5, c3, d14), (a68, b5, c3, d15), (a68, b5, c3, d16), (a68, b5, c3, d17), (a68, b5, c3, d18), (a68, b5, c3, d19) , (a68, b5, c3, d20), (a68, b5, c3, d21), (a68, b5, c3, d22), (a68, b6, c1, d1), (a68, b6, c1, d2), (a68, b6, c1, d3), (a68, b6, c1, d4), (a68, b6, c1, d5), (a68, b6, c1, d6), (a68, b6, c1, d7), (a68, b6, c1, d8), (a68, b6, c1, d9), (a68, b6, c1, d10), (a6 8, b6, c1, d11), (a68, b6, c1, d12), (a68, b6, c1, d13), (a68, b6, c1, d14), (a68, b6, c1, d15), (a68, b6, c1, d16), (a68, b6, c1, d17), (a68, b6, c1, d18), (a68, b6, c1, d19), (a68, b6, c1, d20), (a68, b6, c1, d21), (a68, b6, c1, d22), (a68, b6, c2, d1), (a68, b6, c2, d2), (a68, b6, c2, d3), (a68, b6, c2, d4), (a68, b6, c2, d5), (a68, b6, c2, d6), (a68, b6, c2, d7), (a68, b6, c2, d8), (a68, b6, c2, d9), (a68, b6, c2, d10), (a68, b6, c2, d11), (a68, b6, c2, d12), (a68, b6, c2, d13), (a68, b6, c2, d14), (a68, b6, c2, d15), (a68 , b6, c2, d16), (a68, b6, c2, d17), (a68, b6, c2, d18), (a68, b6, c2, d19), (a68, b6, c2, d20), (a68, b6, c2, d21), (a68, b6, c2, d22), (a68, b6, c3, d1), (a68, b6, c3, d2), (a68, b6, c3, d3), (a68, b6, c3, d4), (a68, b6, c3, d5), (a68, b6, c3, d6), (a68, b6, c3, d7), (a68, b6, c3, d8), (a68, b6, c3, d9), (a68, b6, c3, d10), (a68, b6, c3, d11), (a68, b6, c3, d12), (a68, b6, c3, d13), (a68, b6, c3, d14), (a68, b6, c3, d15), (a68, b6, c3, d16), (a68, b6

, c3, d17), (a68, b6, c3, d18), (a68, b6, c3, d19), (a68, b6, c3, d20), (a68, b6, c3, d21), (a68, b6, c3, d22), (a69, b1, c1, d1), (a69, b1, c1, d2), (a69, b1, c1, d3), (a69, b1, c1, d4), (a69, b1, c1, d5), (a69, b1, c1, d6), (a69, b1, c1, d7), (a69, b1, c1, d8), (a69, b1, c1, d9), (a69, b1, c1, d10), (a69, b1, c1, d11), (a69, b1, c1, d12), (a69, b1, c1, d13), (a69, b1, c1, d14), (a69, b1, c1, d15), (a69, b1, c1, d16), (a69, b1, c1, d17), (a69, b1, c1, d18), (a69, b1, c1, d19), (a69, b1, c1, d20), (a69, b1, c1, d21), (a69, b1, c1, d22), (a69, b1, c2, d1), (a69, b1, c2, d2), (a69, b1, c2, d3), (a69, b1, c2, d4), (a69, b1, c2, d5), (a69, b1, c2, d6), (a69, b1, c2, d7), (a69, b1, c2, d8), (a69, b1, c2, d9), (a69, b1, c2, d10), (a69, b1, c2, d11), (a69, b1, c2, d12), (a69, b1, c2, d13), (a69, b1, c 2, d14), (a69, b1, c2, d15), (a69, b1, c2, d16), (a69, b1, c2, d17), (a69, b1, c2, d18), (a69, b1, c2, d19), (a69, b1, c2, d20), (a69, b1, c2, d21), (a69, b1, c2, d22), (a69, b1, c3, d1), (a69, b1, c3, d2), (a69, b1, c3, d3), (a69, b1, c3, d4), (a69, b1, c 3, d5), (a69, b1, c3, d6), (a69, b1, c3, d7), (a69, b1, c3, d8), (a69, b1, c3, d9), (a69, b1, c3, d10), (a69, b1, c3, d11), (a69, b1, c3, d12), (a69, b1, c3, d13), (a69, b1, c3, d14), (a69, b1, c3, d15), (a69, b1, c3, d16), (a69, b1, c3, d17), (a69, b1, c3 , d18), (a69, b1, c3, d19), (a69, b1, c3, d20), (a69, b1, c3, d21), (a69, b1, c3, d22), (a69, b2, c1, d1), (a69, b2, c1, d2), (a69, b2, c1, d3), (a69, b2, c1, d4), (a69, b2, c1, d5), (a69, b2, c1, d6), (a69, b2, c1, d7), (a69, b2, c1, d8), (a69, b2, c1, d9), (a69, b2, c1, d10), (a69, b2, c1, d11), (a69, b2, c1, d12), (a69, b2, c1, d13), (a69, b2, c1, d14), (a69, b2, c1, d15), (a69, b2, c1, d16), (a69, b2, c1, d17), (a69, b2, c1, d18), (a69, b2, c1, d19), (a69, b2, c1, d20), (a69, b2, c1, d21), (a69, b2, c1, d22), (a69, b2, c2, d1), (a69, b2, c2, d2), (a69, b2, c2, d3), (a69, b2, c2, d4), (a69, b2, c2, d5), (a69, b2, c2, d6), (a69, b2, c2, d7), (a69, b2, c2, d8), (a69, b2, c2, d9), (a69, b2, c2, d10), (a69, b2, c2, d11), (a69, b2, c2, d12), (a69, b2, c2, d13) , (a69, b2, c2, d14), (a69, b2, c2, d15), (a69, b2, c2, d16), (a69, b2, c2, d17), (a69, b2, c2, d18), (a69, b2, c2, d19), (a69, b2, c2, d20), (a69, b2, c2, d21), (a69, b2, c2, d22), (a69, b2, c3, d1), (a69, b2, c3, d2), (a69, b2, c3, d3), (a69, b2, c3, d4) , (a69, b2, c3, d5), (a69, b2, c3, d6), (a69, b2, c 3, d7), (a69, b2, c3, d8), (a69, b2, c3, d9), (a69, b2, c3, d10), (a69, b2, c3, d11), (a69, b2, c3, d12), (a69, b2, c3, d13), (a69, b2, c3, d14), (a69, b2, c3, d15), (a69, b2, c3, d16), (a69, b2, c3, d17), (a69, b2, c3, d18), (a69, b2, c3, d19), (a69, b2, c3, d20), (a69, b2, c3, d21), (a69, b2, c3, d22), (a69, b3, c1, d1), (a69, b3, c1, d2), (a69, b3, c1, d3), (a69, b3, c1, d4), (a69, b3, c1, d5), (a69, b3, c1, d6), (a69, b3, c1, d7), (a69, b3, c1, d8), (a6 9, b3, c1, d9), (a69, b3, c1, d10), (a69, b3, c1, d11), (a69, b3, c1, d12), (a69, b3, c1, d13), (a69, b3, c1, d14), (a69, b3, c1, d15), (a69, b3, c1, d16), (a69, b3, c1, d17), (a69, b3, c1, d18), (a69, b3, c1, d19), (a69, b3, c1, d20), (a69, b3, c1, d21), (a69, b3, c1, d22), (a69, b3, c2, d1), (a69, b3, c2, d2), (a69, b3, c2, d3), (a69, b3, c2, d4), (a69, b3, c2, d5), (a69, b3, c2, d6), (a69, b3, c2, d7), (a69, b3, c2, d8), (a69, b3, c2, d9), (a69, b3, c2, d10), (a69, b3, c2, d11), (a69, b3, c2, d12), (a69, b3, c2, d13), (a69, b3, c2, d14), (a69, b3, c2, d15), (a69, b3, c2, d16), (a69, b3, c2, d17), (a69, b3, c2, d18), (a69, b3, c2, d19), (a69, b3, c2, d20), (a69, b3, c2, d21), (a69, b3, c2, d22), (a69, b3, c3, d1), (a69, b3, c3, d2), (a69, b3, c3, d3), (a69 , b3, c3, d4), (a69, b3, c3, d5), (a69, b3, c3, d6), (a69, b3, c3, d7), (a69, b3, c3, d8), (a69, b3, c3, d9), (a69, b3, c3, d10), (a69, b3, c3, d11), (a69, b3, c3, d12), (a69, b3, c3, d13), (a69, b3, c3, d14), (a69, b3, c3, d15), (a69, b3, c3, d16), (a69, b3, c3, d17), (a69, b3, c3, d18), (a69, b3, c3, d19), (a69, b3, c3, d20), (a69, b3, c3, d21), (a69, b3, c3, d22

), (a69, b4, c1, d1), (a69, b4, c1, d2), (a69, b4, c1, d3), (a69, b4, c1, d4), (a69, b4, c1, d5), (a69, b4, c1, d6), (a69, b4, c1, d7), (a69, b4, c1, d8), (a69 , b4, c1, d9), (a69, b4, c1, d10), (a69, b4, c1, d11), (a69, b4, c1, d12), (a69, b4, c1, d13), (a69, b4, c1, d14), (a69, b4, c1, d15), (a69, b4, c1, d16), (a69, b4, c1, d17), (a69, b4, c1, d18), (a69, b4, c1, d19), (a69, b4, c1, d20), (a69, b 4, c1, d21), (a69, b4, c1, d22), (a69, b4, c2, d1), (a69, b4, c2, d2), (a69, b4, c2, d3), (a69, b4, c2, d4), (a69, b4, c2, d5), (a69, b4, c2, d6), (a69, b4, c2, d7), (a69, b4, c2, d8), (a69, b4, c2, d9), (a69, b4, c2, d10), (a69, b4, c2, d11), (a69, b4, c2 , d12), (a69, b4, c2, d13), (a69, b4, c2, d14), (a69, b4, c2 , d15), (a69, b4, c2, d16), (a69, b4, c2, d17), (a69, b4, c2, d18), (a69, b4, c2 , d19), (a69, b4, c2, d20), (a69, b4, c2, d21), (a69, b4, c2, d22), (a69, b4, c3 , d1), (a69, b4, c3, d2), (a69, b4, c3, d3), (a69, b4, c3, d4), (a69, b4, c3, d5), (a69, b4, c3, d6), (a69, b4, c3, d7), (a69, b4, c3, d8), (a69, b4, c3, d9), (a69, b4, c3, d10), (a69, b4, c3, d11), (a69, b4, c3, d12), (a69, b4, c3, d13), (a69, b4, c3, d14), (a69, b4, c3, d15), (a69, b4, c3, d16), (a69, b4, c3, d17), (a69, b4, c3, d18), (a69, b4, c3, d19), (a69, b4, c3, d20), (a69, b4, c3, d21), (a69, b4, c3, d22), (a69, b5, c1, d1), (a69, b5, c1, d2), (a69, b5, c1, d3), (a6 9, b5, c1, d4), (a69, b5, c1, d5), (a69, b5, c1, d6), (a69, b5, c1, d 7), (a69, b5, c1, d8), (a69, b5, c1, d9), (a69, b5, c1, d10), (a69, b5, c1, d11), (a69, b5 , c1, d12), (a69, b5, c1, d13), (a69, b5, c1, d14), (a69, b5, c1, d15), (a69, b5 , c1, d16), (a69, b5, c1, d17), (a69, b5, c1, d18), (a69, b5, c1, d19), (a69, b5 , c1, d20), (a69, b5, c1, d21), (a69, b5, c1, d22), (a69, b5, c2, d1), (a69, b5, c2, d2), (a69, b5, c2, d3), (a69, b5, c2, d4), (a69, b5, c2, d5), (a69, b5, c2, d6), (a69, b5, c2, d7), (a69, b5, c2, d8), (a69, b5, c2, d9), (a69, b5, c2, d10), (a69, b5, c2, d11), (a69, b5, c2, d12), (a69, b5, c2, d13), (a69, b5, c2, d1 4), (a69, b5, c2, d15), (a69, b5, c2, d16), (a69, b5, c2, d17), (a69, b5, c2, d1 8), (a69, b5, c2, d19), (a69, b5, c2, d20), (a69, b5, c2, d21), (a69, b5, c2, d2 2), (a69, b5, c3, d1), (a69, b5, c3, d2), (a69, b5, c3, d3), (a69, b5, c3, d4), (a69, b5, c3, d5), (a69, b5, c3, d6), (a69, b5, c3, d7), (a69, b5, c3, d8), (a6 9, b5, c3, d9), (a69, b5, c3, d10), (a69, b5, c3, d11), (a69, b5, c3, d12), (a69 , b5, c3, d13), (a69, b5, c3, d14), (a69, b5, c3, d15), (a69, b5, c3, d16), (a69 , b5, c3, d17), (a69, b5, c3, d18), (a69, b5, c3, d19), (a69, b5, c3, d20), (a69 , b5, c3, d21), (a69, b5, c3, d22), (a69, b6, c1, d1), (a69, b6, c1, d2), (a69, b6, c1, d3), (a69, b6, c1, d4), (a69, b6, c1, d5), (a69, b6, c1, d6), (a 69, b6, c1, d7), (a69, b6, c1, d8), (a69, b6, c1, d9), (a69, b6, c1, d10), (a69, b6, c1 , d11), (a69, b6, c1, d12), (a69, b6, c1, d13), (a69, b6, c1, d14), (a69, b6, c1 , d15), (a69, b6, c1, d16), (a69, b6, c1, d17), (a69, b6, c1, d18), (a69, b6, c1 , d19), (a69, b6, c1, d20), (a69, b6, c1, d21), (a69, b6, c1, d22), (a69, b6, c 2 , d1), (a69, b6, c2, d2), (a69, b6, c2, d3), (a69, b6, c2, d4), (a69, b6, c2, d5), (a69, b6, c2, d6), (a69, b6, c2, d7), (a69, b6, c2, d8), (a69, b6, c2, d9), (a69, b6, c2, d10), (a69, b6, c2, d11), (a69, b6, c2, d12), (a69, b6, c2, d13), (a69, b6, c2, d14), (a69, b6, c2, d15), (a69, b6, c2, d16), (a69, b6, c2, d17), (a69, b6, c2, d18), (a69, b6, c2, d19), (a69, b6, c2, d20), (a69, b6, c2, d21), (a69, b6, c2, d22), (a69, b6, c3, d1), (a6 9, b6, c3, d2), (a69, b6, c3, d3), (a6 9, b6, c3, d4), (a69, b6, c3, d5), (a69, b6, c3, d6), (a69, b6, c3, d7), (a69, b 6, c3, d8), (a69, b6, c3, d9), (a69, b6, c3, d10), (a69, b6, c3, d11), (a69, b6, c3, d12), (a69, b6, c3, d13), (a69, b6, c3, d14), (a69, b 6, c3, d15), (a69, b6 , c3, d16), (a69, b6, c3, d17), (a69, b6, c3, d18), (a69, b6, c3, d19), (a69, b6 , c3, d20), (a69, b6, c3, d21), (a69, b6, c3, d22), (a70, b1, c1, d1), (a70, b1,

c1, d2), (a70, b1, c1, d3), (a70, b1, c1, d4), (a70, b1, c1, d5), (a70, b1 , c1 , d6), (a70, b1, c1, d7), (a70, b1, c1, d8), (a70, b1, c1, d9), (a70, b1, c1, d10), (a70, b1, c1, d11), (a70, b1, c1, d12), (a70, b1, c1, d13), (a70, b1, c1, d14), (a70, b1, c1, d15), (a70, b1, c1, d16), (a70, b1, c1, d17), (a70, b1, c1, d18), (a70, b1 , c1, d19), (a70, b1, c1, d20), (a70, b1, c1, d21), (a70, b1, c1, d22), (a70, b1, c2, d1), (a70, b1, c2, d2), (a70, b1, c2, d3), (a70, b1, c2, d4), (a70, b1, c2, d5), (a70, b1, c2, d6), (a70, b1, c2, d7), (a70, b1, c2, d8), (a70, b1, c2, d9), (a70, b1, c2, d10), (a70, b1, c2, d11), (a70, b1, c2, d12), (a70, b1, c2, d13), (a70, b1, c2, d14), (a70, b1, c2, d15), (a70, b1, c2, d16), (a70, b1, c2, d17), (a70, b1, c2, d18), (a70, b1, c2, d19), (a70, b1, c2, d20), (a70, b1, c2, d21), (a70, b1, c2, d22), (a70, b1, c3, d1), (a70, b1, c3, d2), (a70, b1, c3, d3), (a70, b1, c3, d4), (a70, b1, c3, d5), (a70, b1, c3, d6), (a70, b1, c3, d7), (a70, b1, c3, d8), (a70, b1, c3, d9), (a70, b1, c3, d10), (a70, b1, c3, d11), (a70, b1, c3, d12), (a70, b1, c3, d13), (a70, b1, c3, d14), (a70, b1, c3, d15), (a70, b1, c3, d16), (a70, b1, c3, d17), (a70, b1, c3, d18), (a70, b1, c3, d19), (a70, b1, c3, d20), (a70, b1, c3, d21), (a70, b1, c3, d22), (a70, b2, c1, d1), (a70, b2, c1, d2), (a70, b2, c1, d3), (a70, b2, c1, d4), (a70, b2, c1, d5), (a70, b2, c1, d6), (a70, b2, c1, d7), (a70, b2, c1, d8), (a70, b2, c1, d9), (a70, b2, c1, d10), (a70, b2, c1, d11), (a70, b2, c1, d12), (a70, b2, c1, d13), (a70, b2, c1, d14), (a70, b2, c1, d15), (a70, b2, c1, d16), (a70, b2, c1, d17), (a70, b2, c1, d 18), (a70, b2, c1, d19), (a70, b2, c1, d20), (a70, b2, c1, d21), (a70, b2, c1, d22), (a70, b2, c2, d1), (a70, b2, c2, d2), (a70, b2, c2, d3), (a70, b2, c2, d4), (a70, b2, c2, d5), (a70, b2, c2, d6), (a70, b2, c2, d7), (a70, b2, c2, d8), (a70, b2, c2, d9), (a70, b2, c2, d10), (a70, b2, c2, d11), (a70, b2 , c2, d12), (a70, b2, c2, d13), (a70, b2, c2, d14), (a70, b2, c2, d15), (a70, b2 , c2, d16), (a70, b2, c2, d17), (a70, b2, c2, d18), (a70, b2, c2, d19), (a70, b2 , c2, d20), (a70, b2, c2, d21), (a70, b2, c2, d2 2), (a70, b2, c3, d1), (a70, b2 , c3, d2), (a70, b2, c3, d3), (a70, b2, c3, d4), (a70, b2, c3, d5), (a70, b2, c3 , d6), (a70, b2, c3, d7), (a70, b2, c3, d8), (a70, b2, c3, d9), (a70, b2, c3, d10), (a70, b2, c3, d11), (a70, b2, c3, d12), (a70, b2, c3, d13), (a70, b2, c3, d14), (a70, b2, c3, d15), (a70, b2, c3, d16), (a70, b2, c3, d17), (a70, b2, c3, d18), (a70, b2, c3, d19), (a70, b2, c3, d20), (a70, b2, c3, d21), (a70, b2, c3, d22), (a70, b3, c1, d1), (a70, b3, c1, d2), (a70, b3, c1, d3), (a70, b3, c1, d4), (a70, b3, c1, d5), (a70, b3, c1, d6), (a70, b3, c1, d7), (a70, b3, c1, d8), (a70, b3, c1, d9), (a70, b3, c1, d10), (a70, b3, c1, d11), (a70, b3, c1, d12), (a70, b3, c1, d13), (a70, b3, c1, d14), (a70, b3, c1, d15), (a70, b3, c1, d16), (a70, b3, c1, d17), (a 70, b3, c1, d18), (a70, b3, c1, d19), (a70, b3, c1, d20), (a70, b3, c1, d21), (a70, b3, c1, d22), (a70, b3, c2, d1), (a70, b3, c2, d2), (a70, b3, c2, d3), (a70, b3, c2, d4), (a70, b3, c2, d5), (a70, b3, c2, d6), (a70, b3, c2, d7), (a70, b3, c2, d8), (a70, b3, c2, d9), (a70, b3, c2, d10), (a70, b3, c2, d11), (a70, b3, c2, d12), (a70, b3, c2, d13), (a70, b3, c2, d14), (a70, b3, c2, d15), (a70, b3, c2, d16), (a70, b3, c2, d17), (a70, b3, c2, d18), (a70, b3, c2, d19), (a70, b3, c2, d20), (a70, b3, c2, d21), (a7 0, b3, c2, d22), (a70, b3, c3, d1), (a70, b3, c3, d2), (a70, b3, c3, d3), (a70, b3, c3, d4), (a70, b3, c3, d5), (a70, b3, c3, d6), (a70, b3, c3, d7), (a70, b3, c3, d8), (a70, b3, c3, d9), (a70, b3, c3, d10), (a70, b3, c3, d11), (a70, b3, c3, d12), (a70, b3 , c3, d13), (a70, b3, c3, d14), (a70, b3, c3, d15), (a70, b3, c3, d16), (a70, b3, c3, d17), (a70, b3, c3, d18), (a70, b3, c3, d19), (a70, b3, c3, d20), (a70, b3, c3, d21), (a70, b3, c3, d22), (a70, b4, c1, d1), (a70, b4, c1, d2), (a70, b4, c1, d3), (a70, b 4, c1, d4), (a70, b4, c1, d5), (a70, b4, c1, d6), (a70, b4, c1, d7), (a70

, b4, c1, d8), (a70, b4, c1, d9), (a70, b4, c1, d10), (a70, b4, c1, d11), (a70, b4, c1, d12), (a70, b4, c1, d13), (a70, b4, c1, d14), (a70, b4, c1, d15), (a70, b4, c1, d16), (a70, b4, c1, d17), (a70, b4, c1, d18), (a70, b4, c1, d19), (a70, b4, c1, d20), (a70, b4, c1, d21), (a70, b4, c1, d22), (a70, b4, c2, d1), (a70, b4, c2, d2), (a70, b4, c2, d3), (a70, b4, c2, d4), (a70, b4, c2, d5), (a70, b4, c2, d6), (a70, b4, c2, d7), (a70, b4, c2 , d8), (a70, b4, c2, d9), (a70, b4, c2, d10), (a70, b4, c2, d11), (a70, b4, c2, d12), (a70, b4, c2, d13), (a70, b4, c2, d14), (a70, b4, c2, d15), (a70, b4, c2, d16), (a70, b4, c2, d17), (a70, b4, c2, d18), (a70, b4, c2, d19), (a70, b4, c2, d20), (a70, b4, c2, d21), (a70, b4, c2, d22), (a70, b4, c3, d1), (a70, b4, c3, d2), (a70, b4, c3, d3), (a70, b4, c3, d4), (a70, b4, c3, d5), (a70, b4, c3, d6), (a70, b4, c3, d7), (a70, b4, c3, d8), (a70, b4, c3, d9), (a70, b4, c3, d10), (a70, b4, c3, d11), (a70, b4, c3, d 12), (a70, b4, c3, d13), (a70, b4, c3, d14), (a70, b4, c3, d15), (a70, b4, c3, d16), (a70, b4, c3, d17), (a70, b4, c3, d18), (a70, b4, c3, d19), (a70, b4, c3, d20), (a70, b4, c3, d21), (a70, b4, c3, d22), (a70, b5, c1, d1), (a70, b5, c1, d2), (a70, b5, c1, d3), (a70, b5, c1, d4), (a70, b5, c1, d5), (a70, b5, c1, d6), (a70, b5, c1, d7), (a70, b5, c1, d8), (a70, b5, c1, d9), (a70, b5, c1, d10), (a70, b5, c1, d11), (a70, b5, c1, d12), (a70, b5, c1, d13), (a70, b5, c1, d14), (a70, b5, c1, d15), (a70, b5, c1, d1 6), (a70, b5, c1, d17), (a70, b5, c1, d18), (a70, b5, c1, d19), (a70, b5, c1, d20), (a70, b5, c1, d21), (a70, b5, c1, d22), (a70, b5, c2, d1), (a70, b5, c2, d2), (a70, b5, c2, d3), (a70, b5, c2, d4), (a70, b5, c2, d5), (a70, b5, c2, d6), (a70, b5, c2, d7), (a70, b5, c2, d8), (a70, b5, c2, d9), (a70, b5, c2, d10), (a70, b5, c2, d11), (a70, b5, c2, d12), (a70, b5, c2, d13), (a70, b5, c2, d14), (a70, b5, c2, d15), (a70, b5, c2, d16), (a70, b5, c2, d17), (a70, b5, c2, d18), (a70, b5, c2, d19), (a70, b5, c2, d20), (a70, b5, c2, d21), (a70, b5, c2, d22), (a70, b5, c3, d1), (a70, b5, c3, d2), (a70, b5, c3, d3), (a70, b5, c3, d4), (a70, b5, c3, d5), (a70, b5, c3, d6), (a70, b5, c3, d7), (a70, b5, c3, d8), (a70, b5, c3, d9), (a70, b5, c3, d10), (a70, b5, c3, d11), (a70, b5, c3, d12), (a70, b5, c3, d13), (a70, b5, c3, d14), (a70, b5, c3, d15), (a70, b5, c3, d16), (a70, b5, c3, d17), (a70, b5, c3, d18), (a70, b5, c3, d19), (a70, b5, c3, d20), (a70, b5, c3, d21), (a70, b5, c3, d22), (a70, b6, c1, d1), (a70, b6, c1, d2), (a70, b6, c1, d3), (a70, b6, c1, d4), (a70, b6, c1, d5), (a70, b6, c1, d6), (a70, b6, c1, d7), (a70, b6, c1, d8), (a70, b6, c1, d9), (a70, b6, c1, d10), (a70, b6, c1, d11), (a70, b6, c1, d12), (a70, b6, c1, d13), (a70, b6, c1, d14), (a70, b6, c1, d15), (a7 0, b6, c1, d16), (a70, b6, c1, d17), (a70, b6, c1, d18), (a70, b6, c1, d19), (a70, b6, c1, d20), (a70, b6, c1, d21), (a70, b6, c1, d22), (a70, b6, c2, d1), (a70, b6, c2, d2), (a70, b6, c2, d3), (a70, b6, c2, d4), (a70, b6, c2, d5), (a70, b6, c2, d6), (a70, b6, c2, d7), (a70, b6, c2, d8), (a70, b6, c2, d9), (a70, b6, c2, d10), (a70, b6, c2, d11), (a70, b6, c2, d12), (a70, b6, c2, d13), (a70, b6, c2, d14), (a70, b6, c2, d15), (a70, b6, c2, d16), (a70, b6, c2, d17), (a70, b6, c2, d18), (a70, b6, c2, d19), (a70 , b6, c2, d20), (a70, b6, c2, d21), (a70, b6, c2, d22), (a70, b6, c3, d1), (a70, b6, c3, d2), (a70, b6, c3, d3), (a70, b6, c3, d4), (a70, b6, c3, d5), (a70, b6, c3, d6), (a70, b6, c3, d7), (a70, b6, c3, d8), (a70, b6, c3, d9), (a70, b6, c3, d10), (a70, b6, c3, d11), (a70, b6, c3, d12), (a70, b6, c3, d13), (a70, b6, c3, d14), (a70, b6, c3, d15), (a70, b6, c3, d16), (a70, b6, c3, d17), (a70, b6, c3, d18), (a70, b6, c3, d19), (a70, b6, c3, d20), (a70, b6, c3, d21), (a70, b6, c3, d22), (a71, b1, c1, d1), (a71, b1, c1, d2), (a71, b1, c1, d3), (a71, b1, c1, d4), (a71, b1, c1, d5), (a71, b1, c1, d6), (a71, b1, c1, d7), (a71, b1, c1, d8), (a71, b1, c1, d9), (a71, b1, c1, d10), (a71, b1, c1, d11), (a71, b1, c1, d12), (a71, b1, c1, d

13), (a71, b1, c1, d14), (a71, b1, c1, d15), (a71, b1, c1, d16), (a71, b1, c1, d
17), (a71, b1, c1, d18), (a71, b1, c1, d19), (a71, b1, c1, d20), (a71, b1, c1, d
21), (a71, b1, c1, d22), (a71, b1, c2, d1), (a71, b1, c2, d2), (a71, b1, c2, d3)
, (a71, b1, c2, d4), (a71, b1, c2, d5), (a71, b1, c 2, d6), (a71, b1, c2, d7), (
a71, b1, c2, d8), (a71, b1, c2, d9), (a71, b1, c2, d10), (a71, b1, c2, d11), (a7
1, b1, c2, d12), (a71, b1, c2, d13), (a71, b1, c2, d14), (a71, b1, c2, d15), (a7
1, b1, c2, d16), (a71, b1, c2, d17), (a71, b1, c2, d18), (a71, b1, c 2, d19), (a
71, b1, c2, d20), (a71, b1, c2, d21), (a71, b1, c2, d22), (a71, b1, c3, d1), (a7
1, b1, c3, d2), (a71, b1, c3, d3), (a71, b1, c3, d4), (a71, b1, c3, d5), (a71, b
1, c3, d6), (a71, b1, c3, d7), (a71, b1, c3, d8), (a71, b1, c3, d9), (a71, b1, c
3, d1 0), (a71, b1, c3, d11), (a71, b1, c3, d12), (a71, b1, c3, d13), (a71, b1,
c3, d14), (a71, b1, c3, d15), (a71, b1, c3, d16), (a71, b1, c3, d17), (a71, b1,
c3, d18), (a71, b1, c3, d19), (a71, b1, c3, d20), (a71, b1, c3, d21), (a71, b1,
c3, d22), (a71, b2, c1 , d1), (a71, b2, c1, d2), (a71, b2, c1, d3), (a71, b2, c1
, d4), (a71, b2, c1, d5), (a71, b2, c1, d6), (a71, b2, c1, d7), (a71, b2, c1, d8
), (a71, b2, c1, d9), (a71, b2, c1, d10), (a71, b2, c1, d11), (a71, b2, c1, d12)
, (a71, b2, c1, d13), (a71, b2, c1, d14), (a71, b2, c1, d15), (a71, b2, c1, d16
)
, (a71, b2, c1, d17), (a71, b2, c1, d18), (a71, b2, c1, d19), (a71, b2, c1, d20)
, (a71, b2, c1, d21), (a71, b2, c1, d22), (a71, b2, c2, d1), (a71, b2, c2, d2),
(a71, b2, c2, d3), (a71, b2, c2, d4), (a71, b2, c2, d5) , (a71, b2, c2, d6), (a7
1, b2, c2, d7), (a71, b2, c2, d8), (a71, b2, c2, d9), (a71, b2, c2, d10), (a71,
b2, c2, d11), (a71, b2, c2, d12), (a71, b2, c2, d13), (a71, b2, c2, d14), (a71,
b2, c2, d15), (a71, b2, c2, d16), (a71, b2, c2, d17), (a71, b2, c2, d18) , (a71,
b2, c2, d19), (a71, b2, c2, d20), (a71, b2, c2, d21), (a71, b2, c2, d22), (a71,
b2, c3, d1), (a71, b2, c3, d2), (a71, b2, c3, d3), (a71, b2, c3, d4), (a71, b2,
c3, d5), (a71, b2, c3, d6), (a71, b2, c3, d7), (a71, b2, c3, d8), (a71, b2, c3,
d9), (a7 1, b2, c3, d10), (a71, b2, c3, d11), (a71, b2, c3, d12), (a71, b2, c3,
d13), (a71, b2, c3, d14), (a71, b2, c3, d15), (a71, b2, c3, d16), (a71, b2, c3,
d17), (a71, b2, c3, d18), (a71, b2, c3, d19), (a71, b2, c3, d20), (a71, b2, c3,
d21), (a71, b2, c3, d22), (a71, b3, c1, d1), (a71, b3, c1, d2), (a71, b3, c1,
d3), (a71, b3, c1, d4), (a71, b3, c1, d5), (a71, b3, c1, d6), (a71, b3, c1, d7),
(a71, b3, c1, d8), (a71, b3, c1, d9), (a71, b3, c1, d10), (a71, b3, c1, d11), (
a71, b3, c1, d12), (a71, b3, c1, d13), (a71 , b3, c1, d14), (a71, b3, c1, d15),
(a71, b3, c1, d16), (a71, b3, c1, d17), (a71, b3, c1, d18), (a71, b3, c1, d19),
(a71, b3, c1, d20), (a71, b3, c1, d21), (a71, b3, c1, d22), (a71, b3, c2, d1), (
a71, b3, c2, d2), (a71, b3, c2, d3), (a71, b3, c2, d4), (a71 , b3, c2, d5), (a71
, b3, c2, d6), (a71, b3, c2, d7), (a71, b3, c2, d8), (a71, b3, c2, d9), (a71, b3
, c2, d10), (a71, b3, c2, d11), (a71, b3, c2, d12), (a71, b3, c2, d13), (a71, b3
, c2, d14), (a71, b3, c2, d15), (a71, b3, c2, d16), (a71, b3, c2, d17), (a71, b
3, c2, d18), (a71, b3, c2, d19), (a71, b3, c2, d20), (a71, b3, c2, d21), (a71, b
3, c2, d22), (a71, b3, c3, d1), (a71, b3, c3, d2), (a71, b3, c3, d3), (a71, b3,
c3, d4), (a71, b3, c3, d5), (a71, b3, c3, d6), (a71, b3, c3, d7), (a71, b3, c3,
d8), (a71, b3, c3, d9), (a71, b3, c3, d10), (a71, b3, c3, d11), (a71, b3, c3, d
12), (a71, b3, c3, d13), (a71, b3, c3, d14), (a71, b3, c3, d15), (a71, b3, c3, d
16), (a71, b3, c3, d17), (a71, b3, c3, d18), (a71, b3, c3, d19), (a71, b3, c3, d
20), (a71, b3, c3, d21), (a71, b3, c3, d22), (a71, b4, c1, d1), (a71, b4, c1, d2
), (a71, b4, c1, d3), (a71, b4, c1, d4), (a71, b4, c1, d5), (a71, b4, c1, d6), (
a71, b4, c1, d7), (a71, b4, c1, d8), (a71, b4, c1, d9), (a71, b4, c1, d10), (a71
, b4, c1, d11), (a71, b4, c1, d12), (a71, b4, c 1, d13), (a71, b4, c1, d14), (a7

1, b4, c1, d15), (a71, b4, c1, d16), (a71, b4, c1, d17), (a71, b4, c1, d18), (a7
1, b4, c1, d19), (a71, b4, c1, d20), (a71, b4, c1, d21), (a71, b4, c1, d22), (a7
1, b4, c2, d1), (a71, b4, c2, d2), (a71, b4, c2, d3), (a71, b4, c2, d4), (a71, b
4, c2, d5), (a71, b4, c2, d6), (a71, b4, c2, d7), (a71, b4, c2, d8), (a71, b4, c
2, d9), (a71, b4, c2, d10), (a71, b4, c2, d11), (a71, b4, c2, d12), (a71, b4, c2
, d13), (a71, b4, c2, d14), (a71, b4, c2, d15), (a71, b4, c2, d16), (a71, b4, c2
 , d17), (a71, b4, c2, d18), (a71, b4, c2, d19), (a71, b4, c2, d20), (a71, b4, c
2, d21), (a71, b4, c2, d22), (a71, b4, c3, d1), (a71, b4, c3, d2), (a71, b4, c3,
 d3), (a71, b4, c3, d4), (a71, b4, c3, d5), (a71, b4, c3, d6), (a71, b4, c3, d7)
, (a71, b4, c3, d 8), (a71, b4, c3, d9), (a71, b4, c3, d10), (a71, b4, c3, d11),
 (a71, b4, c3, d12), (a71, b4, c3, d13), (a71, b4, c3, d14), (a71, b4, c3, d15),
 (a71, b4, c3, d16), (a71, b4, c3, d17), (a71, b4, c3, d18), (a71, b4, c3, d19),
 (a71, b4, c3, d20), (a71, b4, c3, d21), (a71, b4, c3, d22), (a71, b5, c1, d1),
 (a71, b5, c1, d2), (a71, b5, c1, d3), (a71, b5, c1, d4), (a71, b5, c1, d5), (a7
1, b5, c1, d6), (a71, b5, c1, d7), (a71, b5, c1, d8), (a71, b5, c1, d9), (a71, b
5, c1, d10), (a71, b5, c1, d11), (a71, b5, c1, d12) , (a71, b5, c1, d13), (a71,
b5, c1, d14), (a71, b5, c1, d15), (a71, b5, c1, d16), (a71, b5, c1, d17), (a71,
b5, c1, d18), (a71, b5, c1, d19), (a71, b5, c1, d20), (a71, b5, c1, d21), (a71,
b5, c1, d22), (a71, b5, c2, d1), (a71, b5, c2, d2), (a71, b5, c2, d3), (a71, b5
, c2, d4), (a71, b5, c2, d5), (a71, b5, c2, d6), (a71, b5, c2, d7), (a71, b5, c2
, d8), (a71, b5, c2, d9), (a71, b5, c2, d10), (a71, b5, c2, d11), (a71, b5, c2,
d12), (a71, b5, c2, d13), (a71, b5, c2, d14), (a71, b5, c2, d15), (a71, b5, c2,
d16), (a71, b5, c2, d17), (a71, b5, c2, d18), (a71, b5, c2, d19), (a71, b5, c2,
 d20), (a71, b5, c2, d21), (a71, b5, c2, d22), (a71, b5, c3, d1), (a71, b5, c3,
d2), (a71, b5, c3, d3), (a71, b5, c3, d4), (a71, b5, c3, d5), (a71, b5, c3, d6),
 (a71, b5, c3, d7), (a 71, b5, c3, d8), (a71, b5, c3, d9), (a71, b5, c3, d10), (
a71, b5, c3, d11), (a71, b5, c3, d12), (a71, b5, c3, d13), (a71, b5, c3, d14), (
a71, b5, c3, d15), (a71, b5, c3, d16), (a71, b5, c3, d17), (a71, b5, c3, d18), (
a71, b5, c3, d19), (a71, b5, c3, d20), (a71, b5, c3, d21), (a71, b5, c3, d22), (
a71, b6, c1, d1), (a71, b6, c1, d2), (a71, b6, c1, d3), (a71, b6, c1, d4), (a71,
 b6, c1, d5), (a71, b6, c1, d6), (a71, b6, c1, d7), (a71, b6, c1, d8), (a71, b6,
 c1, d9), (a71, b6, c1, d10), (a71, b6, c1, d11), (a71, b6, c1, d12), (a71, b6,
 c1, d13), (a71, b6, c1, d14), (a71, b6, c1, d15), (a71, b6, c1, d16), (a71, b6,
 c1, d17), (a71, b6, c1, d18), (a71, b6, c1, d19), (a71, b6, c1, d20), (a71, b6,
 c1, d21), (a71, b6, c1, d22), (a71, b6, c2, d1), (a71, b6, c2, d2), (a7 1, b6,
c2, d3), (a71, b6, c2, d4), (a71, b6, c2, d5), (a71, b6, c2, d6), (a71, b6, c2,
d7), (a71, b6, c2, d8), (a71, b6, c2, d9), (a71, b6, c2, d10), (a71, b6, c2, d11
), (a71, b6, c2, d12), (a71, b6, c2, d13), (a71, b6, c2, d14), (a71, b6, c2, d15
), (a71, b6, c2, d16), (a71, b6, c2, d17), (a71, b6, c2, d18), (a71, b6, c2, d19
), (a71, b6, c2, d20), (a71, b6, c2, d21), (a71, b6, c2, d22), (a71, b6, c3, d1)
, (a71, b6, c3, d2), (a71, b6, c3, d3), (a71, b6, c3, d4), (a71, b6, c3, d5), (a
71, b6, c3, d6), (a71, b6 , c3, d7), (a71, b6, c3, d8), (a71, b6, c3, d9), (a71,
 b6, c3, d10), (a71, b6, c3, d11), (a71, b6, c3, d12), (a71, b6, c3, d13), (a71,
 b6, c3, d14), (a71, b6, c3, d15), (a71, b6, c3, d16), (a71, b6, c3, d17), (a71,
 b6, c3, d18), (a71, b6, c3, d19), (a71, b 6, c3, d20), (a71, b6, c3, d21), (a71
, b6, c3, d22), (a72, b1, c1, d1), (a72, b1, c1, d2), (a72, b1, c1, d3), (a72, b
1, c1, d4), (a72, b1, c1, d5), (a72, b1, c1, d6), (a72, b1, c1, d7), (a72, b1, c
1, d8), (a72, b1, c1, d9), (a72, b1, c1, d10), (a72, b1, c1 , d11), (a72, b1, c1
, d12), (a72, b1, c1, d13), (a72, b1, c1, d14), (a72, b1, c1, d15), (a72, b1, c1
, d16), (a72, b1, c1, d17), (a72, b1, c1, d18), (a72, b1, c1, d19), (a72, b1, c1

, d20), (a72, b1, c1, d21), (a72, b1, c1, d22), (a72, b1, c2, d1), (a72, b1, c2
, d2), (a72, b1, c2, d3), (a72, b1, c2, d4), (a72, b1, c2, d5), (a72, b1, c2, d6
), (a72, b1, c2, d7), (a72, b1, c2, d8), (a72, b1, c2, d9), (a72, b1, c2, d10),
(a72, b1, c2, d11), (a72, b1, c2, d12), (a72, b1, c2, d13), (a72, b1, c2, d14),
(a72, b1, c2, d15), (a72, b1, c2, d16), (a72, b1, c2, d17), (a72, b1, c2, d18),
(a72, b1, c2, d19), (a72, b1, c2, d20), (a72, b1, c2, d21), (a72, b1, c2, d22),
(a72, b1, c3, d1), (a72, b1, c3, d2), (a72, b1, c3, d3), (a72, b1, c3, d4), (a7
2, b1, c3, d5), (a72, b1, c3, d6), (a72, b1, c3, d7), (a72, b1, c3, d8), (a72, b
1, c3, d9), (a72, b1, c3, d10), (a72, b1, c3, d11), (a72, b1, c3, d12), (a72, b1
, c3, d13), (a72, b1, c3, d14), (a72, b1, c3, d15), (a72, b1, c3, d16), (a72, b1
, c3, d17), (a72, b1, c3, d18), (a72, b1, c3, d19), (a72, b1, c3, d20), (a72, b1
, c3, d21), (a72, b1, c3, d22), (a72, b2, c1, d1), (a72, b2, c1, d2), (a72, b2,
c1, d3), (a72, b2, c1, d4), (a72, b2, c1, d5), (a72, b2, c1, d6), (a72, b2, c1,
d7), (a72, b2, c1, d8), (a72, b2, c1, d9), (a72, b2, c1, d10), (a72, b2, c1, d1
1), (a72, b2, c1, d12), (a72, b2, c1, d13), (a72, b2, c1, d14), (a72, b2, c1, d1
5), (a72, b2, c1, d16), (a72, b2, c1, d17), (a72, b2, c1, d18), (a72, b2, c1, d1
9), (a72, b2, c1, d20), (a72, b2, c1, d21), (a72, b2, c1, d22), (a72, b2, c2, d
1), (a72, b2, c2, d2), (a72, b2, c2, d3), (a72, b2, c2, d4), (a72, b2, c2, d5),
(a72, b2, c2, d6), (a72, b2, c2, d7), (a72, b2, c2, d8), (a72, b2, c2, d9), (a72
, b2, c2, d10), (a72, b2, c2, d11), (a72, b2, c2, d12), (a72, b2, c2, d13), (a72
, b2, c2, d14), (a72, b2, c2, d15), (a72, b2, c2, d16), (a72, b2, c2, d17), (a72
, b2, c2, d18), (a72, b2, c2, d19), (a72, b2, c2, d20), (a72, b2, c2, d21), (a72
, b2, c2, d22), (a72, b2, c3, d1), (a72, b2, c3, d2), (a72, b2, c3, d3), (a72, b
2, c3, d4), (a72, b2, c3, d5), (a72, b2, c3, d6), (a72, b2, c3, d7), (a72, b2,
c3, d8), (a72, b2, c3, d9), (a72, b2, c3, d10), (a72, b2, c3, d11), (a72, b2, c3
, d12), (a72, b2, c3, d13), (a72, b2, c3, d14), (a72, b2, c3, d15), (a72, b2, c3
, d16), (a72, b2, c3, d17), (a72, b2, c3, d18), (a72, b2, c3, d19), (a72, b2, c
3, d20), (a72, b2, c3, d21), (a72, b2, c3, d22), (a72, b3, c1, d1), (a72, b3, c1
, d2), (a72, b3, c1, d3), (a72, b3, c1, d4), (a72, b3, c1, d5), (a72, b3, c1, d6
), (a72, b3, c1, d7), (a72, b3, c1, d8), (a72, b3, c1, d9), (a72, b3, c1, d10),
(a72, b3, c1, d11), (a72, b3, c1, d12), (a72, b3, c1, d13), (a72, b3, c1, d14),
(a72, b3, c1, d15), (a72, b3, c1, d16), (a72, b3, c1, d17), (a72, b3, c1, d18),
(a72, b3, c1, d19), (a72, b3, c1, d20), (a72, b3, c1, d21), (a72, b3, c1, d22),
(a 72, b3, c2, d1), (a72, b3, c2, d2), (a72, b3, c2, d3), (a72, b3, c2, d4), (a7
2, b3, c2, d5), (a72, b3, c2, d6), (a72, b3, c2, d7), (a72, b3, c2, d8), (a72, b
3, c2, d9), (a72, b3, c2, d10), (a72, b3, c2, d11), (a72, b3, c2, d12), (a72, b3
, c2, d13), (a72, b 3, c2, d14), (a72, b3, c2, d15), (a72, b3, c2, d16), (a72, b
3, c2, d17), (a72, b3, c2, d18), (a72, b3, c2, d19), (a72, b3, c2, d20), (a72, b
3, c2, d21), (a72, b3, c2, d22), (a72, b3, c3, d1), (a72, b3, c3, d2), (a72, b3,
c3, d3), (a72, b3, c3, d4), (a72, b 3, c3, d5), (a72, b3, c3, d6), (a72, b3, c3
, d7), (a72, b3, c3, d8), (a72, b3, c3, d9), (a72, b3, c3, d10), (a72, b3, c3, d
11), (a72, b3, c3, d12), (a72, b3, c3, d13), (a72, b3, c3, d14), (a72, b3, c3, d
15), (a72, b3, c3, d16), (a72, b3, c3, d17), (a72, b3 , c3, d18), (a72, b3, c3,
d19), (a72, b3, c3, d20), (a72, b3, c3, d21), (a72, b3, c3, d22), (a72, b4, c1,
d1), (a72, b4, c1, d2), (a72, b4, c1, d3), (a72, b4, c1, d4), (a72, b4, c1, d5),
(a72, b4, c1, d6), (a72, b4, c1, d7), (a72, b4, c1, d8), (a72, b4, c1 , d9), (a
7
2, b4, c1, d10), (a72, b4, c1, d11), (a72, b4, c1, d12), (a72, b4, c1, d13), (a7
2, b4, c1, d14), (a72, b4, c1, d15), (a72, b4, c1, d16), (a72, b4, c1, d17), (a7
2, b4, c1, d18), (a72, b4, c1, d19), (a72, b4, c1, d20), (a72, b4, c1, d21), (a7

2, b4, c1, d22), (a72, b4, c2, d1), (a72, b4, c2, d2), (a72, b4, c2, d3), (a72, b4, c2, d4), (a72, b4, c2, d5), (a72, b4, c2, d6), (a72, b4, c2, d7), (a72, b4, c2, d8), (a72, b4, c2, d9), (a72, b4, c2, d10), (a72, b4, c2, d11), (a72, b4, c2, d12), (a72, b4, c2, d13), (a72, b4, c2, d14), (a72, b4, c2, d15), (a72, b4, c2, d16), (a72, b4, c2, d17), (a72, b4, c2, d18), (a72, b4, c2, d19), (a72, b4, c2, d20), (a72, b4, c2, d21), (a72, b4, c2, d22), (a72, b4, c3, d1), (a72, b4, c3, d2), (a72, b4, c3, d3), (a72, b4, c3, d4), (a72, b4, c3, d5), (a72, b4, c3, d6), (a72, b4, c3, d7), (a72, b4, c3, d8), (a72, b4, c3, d9), (a72, b4, c3, d10), (a72, b4, c3, d11), (a72, b4, c3, d12), (a72, b4, c3, d13), (a72, b4, c3, d14), (a72, b4, c3, d15), (a72, b4, c3, d16), (a72, b4, c3, d 17), (a72, b4, c3, d18), (a72, b4, c3, d19), (a72, b4, c3, d20), (a72, b4, c3, d21), (a72, b4, c3, d22), (a72, b5, c1, d1), (a72, b5, c1, d2), (a72, b5, c1, d3), (a72, b5, c1, d4), (a72, b5, c1, d5), (a72, b5, c1, d6), (a72, b5, c1, d7), (a72, b5, c1, d8), (a72, b5, c1, d9), (a72, b5, c1, d10), (a72, b5, c1, d11), (a72, b5, c1, d12), (a72, b5, c1, d13), (a72, b5, c1, d14), (a72, b5, c1, d15), (a72, b5, c1, d16), (a72, b5, c1, d17), (a72, b5, c1, d18), (a72, b5, c1, d19), (a72, b5, c1, d20), (a72, b5, c1, d2 1), (a72, b5, c1, d22), (a72, b5, c2, d1), (a72, b5, c2, d2), (a72, b5, c2, d3), (a72, b5, c2, d4), (a72, b5, c2, d5), (a72, b5, c2, d6), (a72, b5, c2, d7), (a72, b5, c2, d8), (a72, b5, c2, d9), (a72, b5, c2, d10), (a72, b5, c2, d11), (a72, b5, c2, d12), (a72, b5, c2, d13), (a72, b5, c2, d14), (a72, b5, c2, d15), (a72, b5, c2, d16), (a72, b5, c2, d17), (a72, b5, c2, d18), (a72, b5, c2, d19), (a72, b5, c2, d20), (a72, b5, c2, d21), (a72, b5, c2, d22), (a72, b5, c3, d1), (a72, b5, c3, d2), (a72, b5, c3, d3), (a72, b5, c3, d4), (a72, b5, c3, d5), (a72, b5, c3, d6), (a72, b5, c3, d7), (a72, b5, c3, d8), (a72, b5, c3, d9), (a72, b5, c3, d10), (a72, b5, c3, d11), (a72, b5, c3, d12), (a72, b5, c3, d13), (a72, b5, c3, d14), (a72, b5, c3, d15), (a72, b5, c3, d16), (a 72, b5, c3, d17), (a72, b5, c3, d18), (a72, b5, c3, d19), (a72, b5, c3, d20), (a72, b5, c3, d21), (a72, b5, c3, d22), (a72, b6, c1, d1), (a72, b6, c1, d2), (a72, b6, c1, d3), (a72, b6, c1, d4), (a72, b6, c1, d5), (a72, b6, c1, d6), (a72, b6, c1, d7), (a72, b6, c1, d8), (a72, b6, c1, d9), (a72, b6, c1, d10), (a72, b6, c1, d11), (a72, b6, c1, d12), (a72, b6, c1, d13), (a72, b6, c1, d14), (a72, b6, c1, d15), (a72, b6, c1, d16), (a72, b6, c1, d17), (a72, b6, c1, d18), (a72, b6, c1, d19), (a72, b6, c1, d20), (a7 2, b6, c1, d21), (a72, b6, c1, d22), (a72, b6, c2, d1), (a72, b6, c2, d2), (a72, b6, c2, d3), (a72, b6, c2, d4), (a72, b6, c2, d5), (a72, b6, c2, d6), (a72, b6, c2, d7), (a72, b6, c2, d8), (a72, b6, c2, d9), (a72, b6, c2, d10), (a72, b6, c2, d11), (a72, b6 , c2, d12), (a72, b6, c2, d13), (a72, b6, c2, d14), (a72, b6, c2, d15), (a72, b6, c2, d16), (a72, b6, c2, d17), (a72, b6, c2, d18), (a72, b6, c2, d19), (a72, b6, c2, d20), (a72, b6, c2, d21), (a72, b6, c2, d22), (a72, b6, c3, d1), (a72, b6, c3, d2), (a72, b6, c3, d3), (a72, b6, c3, d4), (a72, b6, c3, d5), (a72, b6, c3, d6), (a72, b6, c3, d7), (a72, b6, c3, d8), (a72, b6, c3, d9), (a72, b6, c3, d10), (a72, b6, c3, d11), (a72, b6, c3, d12), (a72, b6, c3, d13), (a72, b6, c3, d14), (a72, b6, c3, d15), (a72, b6, c3, d16), (a72, b6, c3, d17), (a72, b6, c3, d18), (a72, b6, c3, d19), (a72, b6, c3, d20), (a72, b6, c3, d21), (a72, b6, c3, d22), (a73, b1, c1, d1), (a73, b1, c1, d2), (a73, b1, c1, d3), (a73, b1, c1, d4), (a73, b1, c1, d5), (a73, b1, c1, d6), (a73, b1, c 1, d7), (a73, b1, c1, d8), (a73, b1, c1, d9), (a73, b1, c1, d10), (a73, b1, c1, d11), (a73, b1, c1, d12), (a73, b1, c1, d13), (a73, b1, c1, d14), (a73, b1, c1, d15), (a73, b1, c1, d16), (a73, b1, c1, d17), (a73, b1, c1, d18), (a73, b1, c1, d19), (a73, b1, c1, d20), (a73, b1, c1, d21), (a73, b1, c1, d22), (a73, b1, c2, d1), (a73, b1, c2, d2), (a73, b1, c2, d3), (a73, b1, c2, d4), (a73, b1, c2, d5

), (a73, b1, c2, d6), (a73, b1, c2, d7), (a73, b1, c2, d8), (a73, b1, c2, d9), (a73, b1, c2, d10), (a73, b1, c2, d 11), (a73, b1, c2, d12), (a73, b1, c2, d13), (a73, b1, c2, d14), (a73, b1, c2, d15), (a73, b1, c2, d16), (a73, b1, c2, d17), (a73, b1, c2, d18), (a73, b1, c2, d19), (a73, b1, c2, d20), (a73, b1, c2, d21), (a73, b1, c2, d22), (a73, b1, c3, d1), (a73, b1, c3 , d2), (a73, b1, c3, d3), (a 73, b1, c3, d4), (a73, b1, c3, d5), (a73, b1, c3, d6), (a73, b1, c3, d7), (a73, b1, c3, d8), (a73, b1, c3, d9), (a73, b1, c3, d10), (a73, b1, c3, d11), (a73, b1 , c3, d12), (a73, b1, c3, d13), (a73, b1, c3, d14), (a73, b1, c3, d1 5), (a73, b 1, c3, d16), (a73, b1, c3, d17), (a73, b1, c3, d18), (a73, b1, c3, d19), (a73, b 1, c3, d20), (a73, b1, c3, d21), (a73, b1, c3, d22), (a73, b2, c1, d1), (a73, b2 , c1, d2), (a73, b2, c1, d3), (a73, b2, c1, d4), (a73, b2, c1, d5), (a73, b2, c1 , d6) , (a73, b2, c1, d7), (a73, b2, c1, d8), (a73, b2, c1, d9), (a73, b2, c1, d 10), (a73, b2, c1, d11), (a73, b2, c1, d12), (a73, b2, c1, d13), (a73, b2, c1, d 14), (a73, b2, c1, d15), (a73, b2, c1, d16), (a73, b2, c1, d17), (a73, b2, c1, d 18), (a73, b2, c1, d19), (a73, b2, c1, d20), (a73, b2, c1, d21), (a73, b2, c1, d22), (a73, b2, c2, d1), (a73, b2, c2, d2), (a73, b2, c2, d3), (a73, b2, c2, d4) , (a73, b2, c2, d5), (a73, b2, c2, d6), (a73, b2, c2, d7), (a73, b2, c2, d8), (a 73, b2, c2, d9), (a73, b2, c2, d10), (a 73, b2, c2, d11), (a73, b2, c2, d12), (a 73, b2, c2, d13), (a73, b2, c2, d14), (a73, b2, c2, d15), (a73, b2, c2, d16), (a 73, b2, c2, d17), (a73, b2, c2, d18), (a73, b2, c2, d19), (a73, b2, c2, d20), (a 73, b2, c2, d21), (a73, b2, c2, d22), (a73, b2, c3, d1), (a73, b2, c3, d2), (a7 3, b2, c3, d3), (a73, b2, c3, d4), (a73, b2, c3, d5), (a73, b2, c3, d6), (a73, b 2, c3, d7), (a73, b2, c3, d8), (a73, b2, c3, d9), (a73, b2, c3, d10), (a73, b2, c3, d11), (a73, b2, c3, d12), (a73, b2, c3, d13), (a73, b2, c3, d14), (a7 3, b2, c3, d15), (a73, b2, c3, d16), (a73, b2, c3, d17), (a73, b2, c3, d18), (a73, b2, c3, d19), (a73, b2, c3, d20), (a73, b2, c3, d21), (a73, b2, c3, d22), (a73, b3, c1, d1), (a73, b3, c1, d2), (a73, b3, c1, d3), (a73, b3, c1, d4), (a73, b3, c1, d5), (a73 , b3, c1, d6), (a73, b3, c1, d7), (a73, b3, c1, d8), (a73, b3, c1, d9), (a73, b3, c1, d10), (a73, b3, c1, d11), (a73, b3, c1, d12), (a73, b3, c1, d13), (a73, b3, c1, d14), (a73, b3, c1, d15), (a73, b3, c1, d16), (a73, b3, c1, d17), (a73, b3, c1, d18), (a73 , b3, c1, d19), (a73, b3, c1, d20), (a73, b3, c1, d2 1), (a73, b3, c1, d22), (a73, b3, c2, d1), (a73, b3, c2, d2), (a73, b3, c2, d3), (a73, b3, c2, d4), (a73, b3, c2, d5), (a73, b3, c2, d6), (a73, b3, c2, d7), (a7 3, b3, c2, d8), (a73, b3, c2, d9), (a73, b3, c2, d10), (a73, b3, c2, d11), (a73 , b3, c2, d12), (a73, b3, c2, d13), (a73, b3, c2, d14), (a73, b3, c2, d15), (a73 , b3, c2, d16), (a73, b3, c2, d17), (a73, b3, c2, d18), (a73, b3, c2, d19), (a73 , b3, c2, d20), (a73, b3, c2, d21), (a73, b3, c2, d22), (a73, b3, c3, d1), (a73 , b3, c3, d2), (a73, b3, c3, d3), (a73, b3, c3, d4), (a73, b3, c3, d5), (a73, b3 , c3, d6), (a73, b3, c3, d7), (a73, b3, c3, d8), (a73, b3, c3, d9), (a73, b3, c3 , d10), (a73, b3, c3, d11), (a73, b3, c3, d12), (a73, b3, c3, d13), (a73, b3, c3 , d14), (a73, b3, c3, d15), (a73, b3, c3, d16), (a73, b3, c3, d17), (a73, b3, c3 , d18), (a73, b3, c3, d19), (a73, b3, c3, d20), (a73, b3, c3, d21), (a73, b3, c3 , d22), (a73, b4, c1, d1), (a73, b4, c1, d2), (a73, b4, c1, d3), (a73, b4, c1, d 4), (a73, b4, c1, d5), (a73, b4, c1, d6), (a73, b4, c1, d7), (a73, b4, c1, d8), (a73, b4, c1, d9), (a73, b4, c1, d10), (a73, b4, c1, d11), (a73, b4, c1, d12), (a73, b4, c1, d13), (a73, b4, c1, d14), (a73, b4, c1, d15), (a73, b4, c1, d16), (a73, b4, c1, d17), (a73, b4, c 1, d18), (a73, b4, c1, d19), (a73, b4, c1, d20), (a73, b4, c1, d21), (a73, b4, c1, d22), (a73, b4, c2, d1), (a73, b4, c2, d2), (a 73, b4, c2, d3), (a73, b4, c2, d4), (a73, b4, c2, d5), (a73, b4, c2, d6), (a73, b4, c2, d7), (a73, b4, c2, d8), (a73, b4, c2, d 9), (a73, b4, c2, d10), (a73, b4

, c2, d11), (a73, b4, c2, d12), (a73, b4, c2, d13), (a73, b4, c2, d14), (a73, b4
, c2, d15), (a73, b4, c2, d16), (a73, b4, c2, d17), (a73, b4, c2, d18), (a73, b4
, c2, d19), (a73, b4, c2, d20), (a73, b4, c2, d21), (a73, b4, c2 , d22), (a73, b
4, c3, d1), (a73, b4, c3, d2), (a73, b4, c3, d3), (a73, b4, c3, d4), (a73, b4, c
3, d5), (a73, b4, c3, d6), (a73, b4, c3, d7), (a73, b4, c3, d8), (a73, b4, c3, d
9), (a73, b4, c3, d10), (a73, b4, c3, d11), (a73, b4, c3, d12), (a73, b4, c3, d1
3), (a73, b4, c3, d14), (a73, b4, c3, d15), (a73, b4, c3, d16), (a73, b4, c3, d
17), (a73, b4, c3, d18), (a73, b4, c3, d19), (a73, b4, c3, d20), (a73, b4, c3, d
21), (a73, b4, c3, d22), (a73, b5, c1, d1), (a73, b5, c1, d2), (a73, b5, c1, d3)
, (a73, b5, c1, d4), (a73, b5, c1, d5), (a73, b5, c1, d6), (a73, b5, c1, d7), (
a73, b5, c1, d8), (a73, b5, c1, d9), (a73, b5, c1, d10), (a73, b5, c1, d11), (a7
3, b5, c1, d12), (a73, b5, c1, d13), (a73, b5, c1, d14), (a73, b5, c1, d15), (a7
3, b5, c1, d16), (a73, b5, c1, d17) , (a73, b5, c1, d18), (a73, b5, c1, d19), (a
73, b5, c1, d20), (a73, b5, c1, d21), (a73, b5, c1, d22), (a73, b5, c2, d1), (a7
3, b5, c2, d2), (a73, b5, c2, d3), (a73, b5, c2, d4), (a73, b5, c2, d5), (a73, b
5, c2, d6), (a73, b5, c2, d7), (a73, b5, c2, d8), (a 73, b5, c2, d9), (a73, b5,
c2, d10), (a73, b5, c2, d11), (a73, b5, c2, d12), (a73, b5, c2, d13), (a73, b5,
c2, d14), (a73, b5, c2, d15), (a73, b5, c2, d16), (a73, b5, c2, d17), (a73, b5,
c2, d18), (a73, b5, c2, d19), (a73, b5, c2, d20), (a73, b5, c2, d21), (a73, b5,
c2, d22), (a73, b5, c3, d1), (a73, b5, c3, d2), (a73, b5, c3, d3), (a73, b5, c3
, d4), (a73, b5, c3, d5), (a73, b5, c3, d6), (a73, b5, c3, d7), (a73, b5, c3, d8
), (a73, b5, c3, d9), (a73, b5, c3, d10), (a73, b5, c3, d11), (a73, b5, c3, d12)
, (a73 , b5, c3, d13), (a73, b5, c3, d14), (a73, b5, c3, d15), (a73, b5, c3, d16
), (a73, b5, c3, d17), (a73, b5, c3, d18), (a73, b5, c3, d19), (a73, b5, c3, d20
), (a73, b5, c3, d21), (a73, b5, c3, d22), (a73, b6, c1, d1), (a73, b6, c1, d2),

(a73, b6, c1, d3), (a7 3, b6, c1, d4), (a73, b6, c1, d5), (a73, b6, c1, d6), (a7
3, b6, c1, d7), (a73, b6, c1, d8), (a73, b6, c1, d9), (a73, b6, c1, d10), (a73,
b6, c1, d11), (a73, b6, c1, d12), (a73, b6, c1, d13), (a73, b6, c1, d14), (a73,
b6, c1, d15), (a73, b6, c1, d16), (a73, b6, c1, d17), (a73, b6, c1, d18), (a73,
b6, c1, d19), (a73, b6, c1, d20), (a73, b6, c1, d21), (a73, b6, c1, d22), (a73,
b6, c2, d1), (a73, b6, c2, d2), (a73, b6, c2, d3), (a73, b6, c2, d4), (a73, b6,
c2, d5), (a73, b6, c2, d6), (a73, b6, c2, d7), (a73, b6 , c2, d8), (a73, b6, c2
, d9), (a73, b6, c2, d10), (a73, b6, c2, d11), (a73, b6, c2, d12), (a73, b6, c2,
d13), (a73, b6, c2, d14), (a73, b6, c2, d15), (a73, b6, c2, d16), (a73, b6, c2,
d17), (a73, b6, c2, d18), (a73, b6, c2, d19), (a73, b6, c2, d20), (a73, b6, c2,
d21), (a73, b6, c2, d22), (a73, b6, c3, d1), (a73, b6, c3, d2), (a73, b6, c3, d
3), (a73, b6, c3, d4), (a73, b6, c3, d5), (a73, b6, c3, d6), (a73, b6, c3, d7),
(a73, b6, c3, d8), (a73, b6, c3, d9), (a73, b6, c3, d10), (a73, b6, c3, d11), (a
73, b6, c 3, d12), (a73, b6, c3, d13), (a73, b6, c3, d14), (a73, b6, c3, d15), (
a73, b6, c3, d16), (a73, b6, c3, d17), (a73, b6, c3, d18), (a73, b6, c3, d19), (
a73, b6, c3, d20), (a73, b6, c3, d21), (a73, b6, c3, d22), (a74, b1, c1, d1), (a
74, b1, c1, d2), (a74, b1, c1, d3), (a74, b1, c1, d4), (a74, b1, c1, d5), (a74,
b1, c1, d6), (a74, b1, c1, d7), (a74, b1, c1, d8), (a74, b1, c1, d9), (a74, b1,
c1, d10), (a74, b1, c1, d11), (a74, b1, c1, d12), (a74, b1, c1, d13), (a74, b1,
c1, d14), (a74, b1, c1, d15), (a74, b1, c1 , d16), (a74, b1, c1, d17), (a74, b1
, c1, d18), (a74, b1, c1, d19), (a74, b1, c1, d20), (a74, b1, c1, d21), (a74, b1
, c1, d22), (a74, b1, c2, d1), (a74, b1, c2, d2), (a74, b1, c2, d3), (a74, b1, c
2, d4), (a74, b1, c2, d5), (a74, b1, c2, d6), (a74, b1, c2, d7), (a74, b1, c2, d
8), (a74, b1, c2, d9), (a74, b1, c2, d10), (a74, b1, c2, d11), (a74, b1, c2, d12

), (a74, b1, c2, d13), (a74, b1, c2, d14), (a74, b1, c2, d15), (a74, b1, c2, d16
), (a74, b1, c2, d17), (a74, b1, c2, d18), (a74, b1, c2, d19), (a74, b1, c2, d2
0), (a74, b1, c2, d21), (a74, b1, c2, d22), (a74, b1, c3, d1), (a74, b1, c3, d2)
, (a74, b1, c3, d3), (a74, b1, c3, d4), (a74, b1, c3, d5), (a74, b1, c3, d6), (a
74, b1, c3, d7), (a74, b1, c3, d8), (a74, b1, c3, d9), (a74, b1, c3, d10), (a74,
b1, c3, d11) , (a74, b1, c3, d12), (a74, b1, c3, d13), (a74, b1, c3, d14), (a74
, b1, c3, d15), (a74, b1, c3, d16), (a74, b1, c3, d17), (a74, b1, c3, d18), (a74
, b1, c3, d19), (a74, b1, c3, d20), (a74, b1, c3, d21), (a74, b1, c3, d22), (a74
, b2, c1, d1), (a74, b2, c1, d 2), (a74, b2, c1, d3), (a74, b2, c1, d4), (a74, b
2, c1, d5), (a74, b2, c1, d6), (a74, b2, c1, d7), (a74, b2, c1, d8), (a74, b2, c
1, d9), (a74, b2, c1, d10), (a74, b2, c1, d11), (a74, b2, c1, d12), (a74, b2, c1
, d13), (a74, b2, c1, d14), (a74, b2, c1, d15), (a74, b2, c1, d16), (a74, b2, c
1, d17), (a74, b2, c1, d18), (a74, b2, c1, d19), (a74, b2, c1, d20), (a74, b2, c
1, d21), (a74, b2, c1, d22), (a74, b2, c2, d1), (a74, b2, c2, d2), (a74, b2, c2,
d3), (a74, b2, c2, d4), (a74, b2, c2, d5), (a74, b2, c2, d6), (a74, b2, c2, d7
), (a74, b2, c2, d8), (a74, b2, c2, d9), (a74, b2, c2, d10), (a74, b2, c2, d11),
(a74, b2, c2, d12), (a74, b2, c2, d13), (a74, b2, c2, d14), (a74, b2, c2, d15),
(a74, b2, c2, d16), (a74, b2, c2, d17), (a74, b2, c2, d18), (a74, b2, c2, d19),
(a74, b2, c2, d20), (a74, b2, c2, d21), (a74, b2, c2, d22), (a74, b2, c3, d1),
(a74, b2, c3, d2), (a74, b2, c3, d3), (a74, b2, c3, d4), (a74, b2, c3, d5), (a74
, b2, c3, d6), (a74, b2, c3, d7), (a74, b2, c3, d8), (a74, b2, c3, d9), (a74, b2
, c3, d10), (a74, b2, c3, d11), (a74, b2, c3, d12), (a74, b2, c3, d13), (a74, b
2, c3, d14), (a74, b2, c3, d15), (a74, b2, c3, d16), (a74, b2, c3, d17), (a74, b
2, c3, d18), (a74, b2, c3, d19), (a74, b2, c3, d20), (a74, b2, c3, d21), (a74, b
2, c3, d22), (a74, b3, c1, d1), (a 74, b3, c1, d2), (a74, b3, c1, d3), (a74, b3,
c1, d4), (a74, b3, c1, d5), (a74, b3, c1, d6), (a74, b3, c1, d7), (a74, b3, c1,
d8), (a74, b3, c1, d9), (a74, b3, c1, d10), (a74, b3, c1, d11), (a74, b3, c1, d
12), (a74, b3, c1, d13), (a74, b3, c1, d14), (a74, b3, c1, d15), (a74, b3, c1, d
16), (a74, b3, c1, d17), (a74, b3, c1, d18), (a74, b3, c1, d19), (a74, b3, c1, d
20), (a74, b3, c1, d21), (a74, b3, c1, d22), (a74, b3, c2, d1), (a74, b3, c2, d2
), (a74, b3, c2, d3), (a74, b3, c2, d4), (a74, b3, c2, d5), (a74, b 3, c2, d6),
(a74, b3, c2, d7), (a74, b3, c2, d8), (a74, b3, c2, d9), (a74, b3, c2, d10), (a7
4, b3, c2, d11), (a74, b3, c2, d12), (a74, b3, c2, d13), (a74, b3, c2, d14), (a7
4, b3, c2, d15), (a74, b3, c2, d16), (a74, b3, c2, d17), (a74, b3, c2, d18), (a7
4, b 3, c2, d19), (a74, b3, c2, d20), (a74, b3, c2, d21), (a74, b3, c2, d22), (a
74, b3, c3, d1), (a74, b3, c3, d2), (a74, b3, c3, d3), (a74, b3, c3, d4), (a74,
b3, c3, d5), (a74, b3, c3, d6), (a74, b3, c3, d7), (a74, b3, c3, d8), (a74, b3,
c3, d9), (a74, b3, c3 , d10), (a74, b3, c3, d11), (a74, b3, c3, d12), (a74, b3,
c3, d13), (a74, b3, c3, d14), (a74, b3, c3, d15), (a74, b3, c3, d16), (a74, b3,
c3, d17), (a74, b3, c3, d18), (a74, b3, c3, d19), (a74, b3, c3, d20), (a74, b3,
c3, d21), (a74, b3, c3, d22), (a74, b4 , c1, d1), (a74, b4, c1, d2), (a74, b4, c
1, d3), (a74, b4, c1, d4), (a74, b4, c1, d5), (a74, b4, c1, d6), (a74, b4, c1, d
7), (a74, b4, c1, d8), (a74, b4, c1, d9), (a74, b4, c1, d10), (a74, b4, c1, d11)
, (a74, b4, c1, d12), (a74, b4, c1, d13), (a74, b4, c1, d14), (a74, b4, c1, d15
), (a74, b4, c1, d16), (a74, b4, c1, d17), (a74, b4, c1, d18), (a74, b4, c1, d19
), (a74, b4, c1, d20), (a74, b4, c1, d21), (a74, b4, c1, d22), (a74, b4, c2, d1)
, (a74, b4, c2, d2), (a74, b4, c2, d3), (a74, b4, c2, d4), (a74, b4, c2, d5), (
a74, b4, c2, d6), (a74, b4, c2, d7), (a74, b4, c2, d8), (a74, b4, c2, d9), (a74,
b4, c2, d10), (a74, b4, c2, d11), (a74, b4, c2, d12), (a74, b4, c2, d13), (a74,
b4, c2, d14), (a74, b4, c2, d15), (a74, b4, c2, d16), (a74, b4, c2, d17), (a74,

b4, c2, d18), (a74, b4, c2, d19), (a74, b4, c2, d20), (a74, b4, c2, d21), (a74, b4, c2, d22), (a74, b4, c3, d1), (a74, b4, c3, d2), (a74, b4, c3, d3), (a74, b4, c3, d4), (a74, b4, c3, d5), (a74, b4, c3, d6), (a74, b4, c3, d7), (a74, b4, c3, d8), (a74, b4, c3, d9), (a74, b4, c3, d10), (a74, b4, c3, d11), (a74, b4, c3, d12), (a74, b4, c3, d13), (a74, b4, c3, d14), (a74, b4, c3, d15), (a74, b4, c3, d16), (a74, b4, c3, d17), (a74, b4, c3, d18), (a74, b4, c3, d19), (a74, b4, c3, d20), (a74, b4, c3, d21), (a74, b4, c3, d 22), (a74, b5, c1, d1), (a74, b5, c1, d2), (a74, b5, c1, d3), (a74, b5, c1, d4), (a74, b5, c1, d5), (a74, b5, c1, d6), (a74, b5, c1, d7), (a74, b5, c1, d8), (a74, b5, c1, d9), (a74, b5, c1, d10), (a74, b5, c1, d11), (a74, b5, c1, d12), (a74, b5, c1, d13), (a74, b5, c1, d14), (a74, b5, c1, d15), (a74, b5, c1, d16), (a74, b5, c1, d17), (a74, b5, c1, d18), (a74, b5, c1, d19), (a74, b5, c1, d20), (a74, b5, c1, d21), (a74, b5, c1, d22), (a74, b5, c2, d1), (a74, b5, c2, d2), (a74, b5, c2, d3), (a74, b5, c2, d4), (a74, b5, c2, d5), (a74, b5, c2, d6), (a74, b5, c2, d7), (a74, b5, c2, d8), (a74, b5, c2, d9), (a74, b5, c2, d10), (a74, b5, c2, d11), (a74, b5, c2, d12), (a74, b5, c2, d13), (a74, b5, c2, d14), (a74, b5, c2, d15), (a74, b5, c2, d16), (a74, b5, c2, d17), (a74, b5, c2, d18), (a74, b5, c2, d19), (a74, b5, c2, d20), (a74, b5, c2, d21), (a74, b5, c2, d22), (a74, b5, c3, d1), (a74, b5, c3, d2), (a74, b5, c3, d3), (a74, b5, c3, d4), (a74, b5, c3, d5), (a74, b5, c3, d6), (a74, b5, c3, d7), (a74, b5, c3, d8), (a74, b5, c3, d9), (a74, b5, c3, d10), (a74, b5, c3, d11), (a74, b5, c3, d12), (a74, b5, c3, d13), (a74, b5, c3, d14), (a74, b5, c3, d15), (a74, b5, c3, d16), (a74, b5, c3, d17), (a74, b5, c3, d18), (a74, b5, c3, d19), (a74, b5, c3, d20), (a74, b5, c3, d21), (a 74, b5, c3, d22), (a74, b6, c1, d1), (a74, b6, c1, d2), (a74, b6, c1, d3), (a74, b6, c1, d4), (a74, b6, c1, d5), (a74, b6, c1, d6), (a74, b6, c1, d7), (a74, b6, c1, d8), (a74, b6, c1, d9), (a74, b6, c1, d10), (a74, b6, c1, d11), (a74, b6, c1, d12), (a74, b 6, c1, d13), (a74, b6, c1, d14), (a74, b6, c1, d15), (a74, b6, c1, d16), (a74, b6, c1, d17), (a74, b6, c1, d18), (a74, b6, c1, d19), (a74, b6, c1, d20), (a74, b6, c1, d21), (a74, b6, c1, d22), (a74, b6, c2, d1), (a74, b6, c2, d2), (a74, b6, c2, d3), (a74, b6, c2, d4), (a74, b6, c2, d5), (a74, b6, c2, d6), (a74, b6, c2, d7), (a74, b6, c2, d8), (a74, b6, c2, d9), (a74, b6, c2, d10), (a74, b6, c2, d11), (a74, b6, c2, d12), (a74, b6, c2, d13), (a74, b6, c2, d14), (a74, b6, c2, d15), (a74, b6, c2, d16), (a74, b6 , c2, d17), (a74, b6, c2, d18), (a74, b6, c2, d19), (a74, b6, c2, d20), (a74, b6, c2, d21), (a74, b6, c2, d22), (a74, b6, c3, d1), (a74, b6, c3, d2), (a74, b6, c3, d3), (a74, b6, c3, d4), (a74, b6, c3, d5), (a74, b6, c3, d6), (a74, b6, c3, d7), (a74, b6, c 3, d8), (a74, b6, c3, d9), (a74, b6, c3, d10), (a74, b6, c3, d11), (a74, b6, c3, d12), (a74, b6, c3, d13), (a74, b6, c3, d14), (a74, b6, c3, d15), (a74, b6, c3, d16), (a74, b6, c3, d17), (a74, b6, c3, d18), (a74, b6, c3, d19), (a74, b6, c3, d20), (a74, b6, c3, d21), (a74, b6, c3, d22), (a75, b1, c1, d1), (a75, b1, c1, d2), (a75, b1, c1, d3), (a75, b1, c1, d4), (a75, b1, c1, d5), (a75, b1, c1, d6), (a75, b1, c1, d7), (a75, b1, c1, d8), (a75, b1, c1, d9), (a75, b1, c1, d10), (a75, b1, c1, d11), (a75, b1, c1, d12), (a75, b1, c1, d13), (a75, b1, c1, d14), (a75, b1, c1, d15), (a75, b1, c1, d16), (a75, b1, c1, d17), (a75, b1, c1, d18), (a75, b1, c1, d19), (a75, b1, c1, d20), (a75, b1, c1, d21), (a75, b1, c1, d22), (a75, b1, c2, d1), (a75, b1, c2, d2), (a75, b1, c2 , d3), (a75, b1, c2, d4), (a75, b1, c2, d5), (a75, b1, c2, d6), (a75, b1, c2, d7), (a75, b1, c2, d8), (a75, b1, c2, d9), (a75, b1, c2, d10), (a75, b1, c2, d11), (a75, b1, c2, d12), (a75, b1, c2, d13), (a75, b1, c2, d14), (a75, b1, c2, d15), (a75, b1, c2, d 16), (a75, b1, c2, d17), (a75, b1, c2, d18), (a75, b1, c2, d19), (a75, b1, c2, d20), (a75, b1, c2, d21), (a75, b1, c2, d22), (a75, b1, c3, d

10 20 30 40 50

1), (a75, b1, c3, d2), (a75, b1, c3, d3), (a75, b1, c3, d4), (a75, b1, c3, d5), (a75, b1, c3, d6), (a75, b1, c3, d7) , (a75, b1, c3, d8), (a75, b1, c3, d9), (a75, b1, c3, d10), (a75, b1, c3, d11), (a75, b1, c3, d12), (a75, b1, c3, d13), (a75, b1, c3, d14), (a75, b1, c3, d15), (a75, b1, c3, d16), (a75, b1, c3, d17), (a75
, b1, c3, d18), (a75, b1, c3, d19), (a75, b1, c3, d2 0), (a75, b1, c3, d21), (a75, b1, c3, d22), (a75, b2, c1, d1), (a75, b2, c1, d2), (a75, b2, c1, d3), (a75, b2, c1, d4), (a75, b2, c1, d5), (a75, b2, c1, d6), (a75, b2, c1, d7), (a75, b2, c1, d8), (a75, b2, c1, d9), (a75, b2, c1, d10), (a75, b2, c1, d11), (a75, b2, c 1, d12), (a75, b2, c1, d13), (a75, b2, c1, d14), (a75, b2, c1, d15), (a75, b2, c 1, d16), (a75, b2, c1, d17), (a75, b2, c1, d18), (a75, b2, c1, d19), (a75, b2, c 1, d20), (a75, b2, c1, d21), (a75, b2, c1, d22), (a75, b2, c2, d1), (a75, b2, c2 , d2), (a75, b2, c2, d3), (a75, b2, c2, d4), (a75, b2, c2, d5), (a75, b2, c2, d 6), (a75, b2, c2, d7), (a75, b2, c2, d8), (a75, b2, c2, d9), (a75, b2, c2, d10), (a75, b2, c2, d11), (a75, b2, c2, d12), (a75, b2, c2, d13), (a75, b2, c2, d14), (a75, b2, c2, d15), (a 75, b2, c2, d16), (a75, b2, c2, d17), (a75, b2, c2, d18) , (a75, b2, c2, d19), (a75, b2, c2, d20), (a75, b2, c2, d21), (a75, b2, c2, d22) , (a75, b2, c3, d1), (a75, b2, c3, d2), (a75, b2, c3, d3), (a75, b2, c3, d4), (a 75, b2, c3, d5), (a75, b2, c3, d6), (a75 , b2, c3, d7), (a75, b2, c3, d8), (a75, b2, c3, d9), (a75, b2, c3, d10), (a75, b2, c3, d11), (a75, b2, c3, d12), (a75, b2, c3, d13), (a75, b2, c3, d14), (a75, b2, c3, d15), (a75, b2, c3, d16), (a75, b2, c3, d17), (a75, b2, c3, d18), (a75, b2, c3, d19), (a7 5, b2, c3, d20), (a75, b2, c3, d21), (a75, b2, c3, d22), (a75, b3, c1, d1), (a75, b3, c1, d2), (a75, b 3, c1, d3), (a75, b3, c1, d4), (a75, b3, c1, d5), (a75, b3, c1, d6), (a75, b3, c 1, d7), (a75, b3, c1, d8), (a75, b3, c1, d9), (a75, b3, c1, d10), (a75, b3 , c1, d11), (a75, b3, c1, d12), (a75, b3, c1, d13), (a75, b3, c1, d14), (a75, b3, c1, d15), (a75, b3, c1, d16), (a75, b3, c1, d17), (a75, b3, c1, d18), (a75, b3, c1, d19), (a75, b3, c1, d20), (a75, b3, c1, d21), (a75, b3, c1, d22), (a75, b3, c2, d1), (a75, b3, c2, d2), (a75, b3, c2, d3), (a75, b3, c2, d4), (a75, b3, c2, d5), (a75, b3, c2, d6), (a75, b3, c2, d7), (a75, b3, c2, d8), (a75, b3, c2, d9), (a75, b3, c2, d10), (a75, b3, c2, d11), (a75, b3, c2, d12), (a75, b3, c2, d13), (a75, b3, c2, d14), (a75, b3, c2, d15), (a75, b3, c2, d16), (a75, b3, c2, d17), (a75, b3, c2, d18), (a75, b3, c2, d19), (a75, b3, c2, d20), (a75, b3, c2, d21), (a75, b3, c2, d22), (a75, b3, c3, d1), (a75, b3, c3, d2), (a75, b3, c3, d3), (a7 5, b3, c3, d4), (a75, b3, c3, d5), (a75, b3, c3, d6), (a75, b3, c3, d7), (a75, b 3, c3, d8), (a75, b3, c3, d9), (a75, b3, c3, d10), (a75, b3, c3, d11), (a75, b3, c3, d12), (a75, b3, c3, d13), (a75, b3, c3, d14), (a75, b3, c3, d15), (a75, b3, c3, d16), (a75, b3, c3, d17), (a75, b3, c3, d18), (a75, b3, c3, d19), (a75, b3, c3, d20), (a75, b3, c3, d21), (a75, b3, c3, d22), (a75, b4, c1, d1), (a75, b4, c1, d2), (a75, b4, c1, d3), (a75, b4, c1, d4), (a75, b4, c1, d5), (a75, b4, c1, d6), (a75, b4, c1, d7), (a75, b4, c1, d8), (a75, b4, c1, d9), (a75, b4, c1, d 10), (a75, b4, c1, d11), (a75, b4, c1, d12), (a75, b4, c1, d13), (a75, b4, c1, d14), (a75, b4, c1, d15), (a75, b4, c1, d16), (a75, b4, c1, d17), (a75, b4, c1, d18), (a75, b4, c1, d19), (a75, b4, c1, d20), (a75, b4, c1, d21), (a75, b4, c1, d22), (a75, b4, c 2, d1), (a75, b4, c2, d2), (a75, b4, c2, d3), (a75, b4, c2, d4), (a75, b4, c2, d5), (a75, b4, c2, d6), (a75, b4, c2, d7), (a75, b4, c2, d8), (a75 , b4, c2, d9), (a75, b4, c2, d10), (a75, b4, c2, d11), (a75, b4, c2, d12), (a75, b4, c2, d13), (a75, b4, c2, d1 4), (a75, b4, c2, d15), (a75, b4, c2, d16), (a75 , b4, c2, d17), (a75, b4, c2, d18), (a75, b4, c2, d19), (a75, b4, c2, d20), (a75 , b4, c2, d21), (a75, b4, c2, d22), (a75, b4, c3, d1), (a75, b4, c3, d2), (a75,

b4, c3, d3), (a75, b4, c3, d4), (a75, b4, c3, d5), (a75, b4, c3, d6), (a75, b4, c3, d7), (a75, b4, c3, d8), (a75, b4, c3, d9), (a75, b4, c3, d10), (a75, b4, c3, d11), (a75, b4, c3, d12), (a75, b4, c3, d13), (a75, b4, c3, d14), (a75, b4, c3, d15), (a75, b4, c3, d16), (a75, b4, c3, d17), (a75, b4, c3, d18), (a75, b4, c3, d19), (a75, b4, c3, d20), (a75, b4, c3, d21), (a75, b4, c3, d22), (a75, b5, c1, d1), (a75, b5, c1, d2), (a75, b5, c1, d3), (a75, b5, c1, d4), (a75, b5, c1, d5), (a75, b5, c1, d6), (a75, b5, c1, d7), (a75, b5, c1, d8), (a75, b5, c1, d9), (a 75, b5, c1, d10), (a75, b5, c1, d11), (a75, b5, c1, d12), (a75, b5, c1, d13), (a75, b5, c1, d14), (a75, b5, c1, d15), (a75, b5, c1, d16), (a75, b5, c1, d17), (a75, b5, c1, d18), (a75, b5, c1, d19), (a75, b5, c1, d20), (a75, b5, c1, d21), (a75, b5, c1, d22) , (a75, b5, c2, d1), (a75, b5, c2, d2), (a75, b5, c2, d3), (a75, b5, c2, d4), (a75, b5, c2, d5), (a75, b5, c2, d6), (a75, b5, c2, d7), (a75, b5, c2, d8), (a75, b5, c2, d9), (a75, b5, c2, d10), (a75, b5, c2, d11), (a75, b5, c2, d12), (a75, b5, c2, d13), (a7 5, b5, c2, d14), (a75, b5, c2, d15), (a75, b5, c2, d16), (a75, b5, c2, d17), (a75, b5, c2, d18), (a75, b5, c2, d19), (a75, b5, c2, d20), (a75, b5, c2, d21), (a75, b5, c2, d22), (a75, b5, c3, d1), (a75, b5, c3, d2), (a75, b5, c3, d3), (a75, b5, c3, d4), (a7 5, b5, c3, d5), (a75, b5, c3, d6), (a75, b5, c3, d7), (a75, b5, c3, d8), (a75, b5, c3, d9), (a75, b5, c3, d10), (a75, b5, c3, d11), (a75, b5, c3, d12), (a75, b5, c3, d13), (a75, b5, c3, d14), (a75, b5, c3, d15), (a75, b5, c3, d16), (a75, b5, c3, d17), (a75 , b5, c3, d18), (a75, b5, c3, d19), (a75, b5, c3, d20), (a75, b5, c3, d21), (a75, b5, c3, d22), (a75, b6, c1, d1), (a75, b6, c1, d2), (a75, b6, c1, d3), (a75, b6, c1, d4), (a75, b6, c1, d5), (a75, b6, c1, d6), (a75, b6, c1, d7), (a75, b6, c1, d8), (a75, b6 , c1, d9), (a75, b6, c1, d10), (a75, b6, c1, d11), (a75, b6, c1, d12), (a75, b6, c1, d13), (a75, b6, c1, d14), (a75, b6, c1, d15), (a75, b6, c1, d16), (a75, b6, c1, d17), (a75, b6, c1, d18), (a75, b6, c1, d19), (a75, b6, c1, d20), (a75, b6, c1, d21), (a75, b6, c1, d22), (a75, b6, c2, d1), (a75, b6, c2, d2), (a75, b6, c2, d3), (a75, b6, c2, d4), (a75, b6, c2, d5), (a75, b6, c2, d6), (a75, b6, c2, d7), (a75, b6, c2, d8), (a75, b6, c2, d9), (a75, b6, c2, d10), (a75, b6, c2, d11), (a75, b6, c2, d12), (a75, b6, c2, d13), (a75, b6, c2, d14), (a75, b6, c2, d15), (a75, b6, c2, d16), (a75, b6, c2, d17), (a75, b6, c2, d18), (a75, b6, c2, d19), (a75, b6, c2, d20), (a75, b6, c2, d21), (a75, b6, c2, d22), (a75, b6, c3, d1), (a75, b6, c3, d2), (a75, b6, c3, d3), (a75, b6, c3, d4), (a75, b6, c3, d5), (a75, b6, c3, d6), (a75, b6, c3, d7), (a75, b6, c3, d8), (a75, b6, c3, d9), (a75, b6, c3, d10), (a75, b6, c3, d11), (a75, b6, c3, d12), (a75, b6, c3, d13), (a75, b6, c3, d14), (a75, b6, c3, d15), (a75, b6, c3, d16), (a75, b6, c 3, d17), (a75, b6, c3, d18), (a75, b6, c3, d19), (a75, b6, c3, d20), (a75, b6, c3, d21), (a75, b6, c3, d22), (a76, b1, c1, d1), (a76, b1, c1, d2), (a76, b1, c1, d3), (a76, b1, c1, d4), (a76, b1, c1, d5), (a76, b1, c1, d6), (a76, b1, c1, d7), (a76, b1, c1, d8), (a76, b1, c1, d9), (a76, b1, c1, d10), (a76, b1, c1, d11), (a76, b1, c1, d12), (a76, b1, c1, d13), (a76, b1, c1, d14), (a76, b1, c1, d15), (a76, b1, c1, d16), (a76, b1, c1, d17), (a76, b1, c1, d18), (a76, b1, c1, d19), (a76, b1, c1, d20), (a76, b1, c1 , d21), (a76, b1, c1, d22), (a76, b1, c2, d1), (a76, b1, c2, d2), (a76, b1, c2, d3), (a76, b1, c2, d4), (a76, b1, c2, d5), (a76, b1, c2, d6), (a76, b1, c2, d7), (a76, b1, c2, d8), (a76, b1, c2, d9), (a76, b1, c2, d10), (a76, b1, c2, d11), (a76, b1, c2, d12), (a76, b1, c2, d13), (a76, b1, c2 , d14), (a76, b1, c2, d15), (a76, b1, c2, d16), (a76, b1, c2, d17), (a76, b1, c2 , d18), (a76, b1, c2, d19), (a76, b1, c2, d20), (a76, b1, c2, d21), (a76, b1, c2 , d22), (a76, b1, c3, d1), (a76, b1, c3, d2), (a76, b1, c3, d 3), (a76, b1, c3, d4), (a76, b1, c3, d5), (a76, b1, c3, d6), (a76, b1, c3, d7), (a76, b1, c3, d8),

(a76, b1, c3, d9), (a76, b1, c3, d10), (a76, b1, c3, d11), (a76, b1, c3, d12), (a76, b1, c3, d13), (a76, b1, c3, d14), (a76, b1, c3, d15), (a76, b1, c3, d16) , (a76, b1, c3, d17), (a76, b1, c3, d18), (a76, b1, c3, d19), (a76, b1, c3, d20), (a76, b1, c3, d21), (a76, b1, c3, d22), (a76, b2, c1, d1), (a76, b2, c1, d2), (a76, b2, c1, d3), (a76, b2, c1, d4), (a76, b2, c1, d5), (a76, b2, c1, d6), (a76, b2, c1, d7), (a76, b2, c1, d8), (a76, b2, c1, d9), (a76, b2, c1, d10), (a76, b 2, c1, d11), (a76, b2, c1, d12), (a76, b2, c1, d13), (a76, b2, c1, d14), (a76, b 2, c1, d15), (a76, b2, c1, d16), (a76, b2, c1, d17), (a76, b2, c1, d18), (a76, b 2, c1, d19), (a76, b2, c1, d20), (a76, b2, c1, d21), (a76, b2, c1, d22), (a76, b2, c2, d1), (a76, b2, c2, d2), (a76, b2, c2, d3), (a76, b2, c2, d4), (a76, b2, c2, d5), (a76, b2, c2, d6), (a76, b2, c2, d7), (a76, b2, c2, d8), (a76, b2, c2, d9), (a76, b2, c2, d10), (a76, b2, c2, d11), (a76 , b2, c2, d12), (a76, b2, c2, d13), (a76, b2, c2, d14), (a76, b2, c2, d15), (a76, b2, c2, d16), (a76, b2, c2, d17), (a76, b2, c2, d18), (a76, b2, c2, d19), (a76, b2, c2, d20), (a76, b2, c2, d21), (a76, b2, c2, d22), (a76, b2, c3, d1), (a 76, b2, c3, d 3), (a76, b2, c3, d4), (a76, b2, c3, d5), (a76, b2, c3, d6), (a76, b2, c3, d7), (a76, b2, c3, d8), (a76, b2, c3, d9), (a76, b2, c3, d10), (a76, b2, c3, d11), (a 76, b2, c3, d12), (a76, b2, c3, d13), (a76, b2, c3, d14), (a76, b2, c3, d15), (a 76, b2, c3, d16), (a76, b2, c3, d17), (a76, b2, c3, d18), (a76, b2, c3, d19), (a76, b2, c3, d20), (a76, b2, c3, d21), (a76, b2, c3, d22), (a76, b3, c1, d1), (a 76, b3, c1, d2), (a76, b3, c1, d3), (a76, b3, c1, d4), (a76, b3, c1, d5), (a76, b3, c1, d6), (a76, b 3, c1, d7), (a76, b3, c1, d8), (a76, b3, c1, d9), (a76, b3, c1, d10), (a76, b3, c1, d11), (a76, b3, c1, d12), (a76, b3, c1, d13), (a76, b3, c1, d14), (a76, b3, c1, d15), (a76, b3, c1, d16), (a76, b3, c1, d17), (a76, b3, c1, d18), (a76, b3, c1, d19), (a76, b3, c1, d20), (a76, b3, c1, d21), (a76, b3, c1, d22), (a76, b3, c2, d1), (a76, b3, c2, d2), (a76, b3, c2, d3), (a76, b3, c2 , d4), (a76, b3, c2, d5), (a76, b3, c2, d6), (a76, b3, c2, d7), (a76, b3, c2, d8), (a76, b3, c2, d9), (a76, b3, c2, d10), (a76, b3, c 2, d11), (a76, b3, c2, d12), (a76, b3, c2, d13), (a76, b3, c2, d14), (a76, b3, c2, d15), (a76, b3, c2, d16), (a76, b3, c2, d17), (a76, b3, c2, d18), (a76, b3, c2, d19), (a76, b3, c2, d20), (a76, b3, c2, d21), (a76, b3, c2, d22), (a76, b3, c3, d1), (a76, b3 , c3, d2) , (a76, b3, c3, d3), (a76, b3, c3, d4), (a76, b3, c3, d5), (a76, b3, c3, d6), (a 76, b3, c3, d7), (a76, b3, c3, d8), (a76, b3, c3, d9), (a76, b3, c3, d10), (a76,

b3, c3, d11), (a76, b3, c3, d12), (a76, b3, c3, d13), (a76, b3, c3, d14), (a76, b3, c3 , d15), (a76, b3, c3, d16), (a76, b3, c3, d17), (a76, b3, c3, d18), (a76, b3, c3, d19), (a76, b3, c3, d20), (a76, b3, c3, d21), (a76, b3, c3, d22), (a76, b4, c1, d1), (a76, b4, c1, d2), (a76, b4, c1, d3), (a76, b4, c1, d4), (a76, b4, c1, d5), (a76, b4, c1, d6), (a76, b4, c1, d7), (a76, b4, c1, d8), (a76, b4, c1 , d9), (a76, b4, c1, d10), (a76, b4, c1, d11), (a76, b4, c1, d12), (a76, b4, c1, d13), (a76, b4, c1, d14), (a76, b4, c1, d15), (a76, b4, c1, d16), (a76, b4, c1, d17), (a76, b4, c1, d18), (a76, b4, c1, d19), (a76, b4, c1, d20), (a76, b4, c1 , d21), (a76, b4, c1, d22), (a76, b4, c2, d1), (a76, b4, c2, d2), (a76, b4, c2, d3), (a76, b4, c2, d4), (a76, b4, c2, d5), (a76, b4, c2, d6), (a76, b4, c2, d7), (a76, b4, c2, d8), (a76, b4, c2, d9), (a76, b4, c2, d10) , (a76, b4, c2, d11), (a76, b4, c2, d12), (a76, b4, c2, d13), (a76, b4, c2, d14), (a76, b4, c2, d15), (a76, b4, c2, d16), (a76, b4, c2, d17), (a76, b4, c2, d18), (a76, b4, c2, d19), (a76, b4, c2, d20), (a76, b4, c2, d21), (a76, b4, c2, d22), (a76, b4, c3, d1), (a76, b4, c3, d2), (a76, b4, c3, d3), (a76, b4, c3, d4), (a76, b4, c3, d5), (a76, b4, c3, d6), (a76, b4, c3, d7), (a76, b4, c3, d8), (a76, b4, c3, d9), (a76, b4,

c3, d10), (a76, b4, c3, d11), (a76, b4, c3, d12), (a76, b4, c3, d13), (a76, b4, c3, d14), (a76, b4, c3, d15), (a76, b4, c3, d16), (a76, b4, c3, d17), (a76, b4, c3, d18), (a76, b4, c3, d19), (a76, b4, c3, d20), (a76, b4, c3, d21), (a76, b4, c3, d22), (a76, b5, c1, d1), (a76, b5, c1, d2), (a76, b5, c1, d3), (a76, b5, c1, d4), (a76, b5, c1, d5), (a76, b5, c1, d6), (a76, b5, c1, d7), (a76, b5, c1, d8), (a76, b5, c1, d9), (a76, b5, c1, d10), (a76, b5, c1, d11), (a76, b5, c1, d12), (a76, b5, c1, d13), (a76, b5, c1, d14), (a76, b5, c1, d15), (a76, b5, c1, d16), (a76, b5, c1, d17), (a76, b5, c1, d18), (a76, b5, c1, d19), (a76, b5, c1, d20), (a76, b5, c1, d21), (a76, b5, c1, d22), (a76, b5, c2, d1), (a76, b5, c2, d2), (a76, b5, c2, d3), (a76, b5, c2, d4), (a76, b5, c2, d5), (a76, b5, c2, d6), (a76, b5, c2, d7), (a76, b5, c2, d8), (a76, b5, c2, d9), (a76, b5, c2, d10), (a76, b5, c2, d11), (a76, b5, c2, d12), (a76, b5, c2, d13), (a76, b5, c2, d14), (a76, b5, c2, d15), (a76, b5, c2, d16), (a76, b5, c2, d17), (a76, b5, c2, d18), (a76, b5, c2, d19), (a76, b5, c2, d20), (a76, b5, c2, d21), (a76, b5, c2, d22), (a76, b5, c3, d1), (a76, b5, c3, d2), (a76, b5, c3, d3), (a76, b5, c3, d4), (a76, b5, c3, d5), (a76, b5, c3, d6), (a76, b5, c3, d7), (a76, b5, c3, d8), (a76, b5, c3, d9), (a76, b5, c3, d10), (a76, b5, c3, d11), (a76, b5, c3, d12), (a76, b5, c3, d13), (a76, b5, c3, d14), (a76, b5, c3, d15), (a76, b5, c3, d16), (a76, b5, c3, d17), (a76, b5, c3, d18), (a76, b5, c3, d19), (a76, b5, c3, d20), (a76, b5, c3, d21), (a76, b5, c3, d22), (a76, b6, c1, d1), (a76, b6, c1, d2), (a76, b6, c1, d3), (a76, b6, c1, d4), (a76, b6, c1, d5), (a76, b6, c1, d6), (a76, b6, c1, d7), (a76, b6, c1, d8), (a76, b6, c1, d9), (a76, b6, c1, d10), (a76, b6, c1, d11), (a76, b6, c1, d12), (a76, b6, c1, d13), (a76, b6, c1, d14), (a76, b6, c1, d15), (a76, b6, c1, d16), (a76, b6, c1, d17), (a76, b 6, c1, d18), (a76, b6, c1, d19), (a76, b6, c1, d20), (a76, b6, c1, d21), (a76, b6, c1, d22), (a76, b6, c2, d1), (a76, b6, c2, d2), (a76, b6, c2, d3), (a76, b6, c2, d4), (a76, b6, c2, d5), (a76, b6, c2, d6), (a76, b6, c2, d7), (a76, b6, c2, d8), (a76, b6, c 2, d9), (a76, b6, c2, d10), (a76, b6, c2, d11), (a76, b6, c2, d12), (a76, b6, c2, d13), (a76, b6, c2, d14), (a76, b6, c2, d15), (a76, b6, c2, d16), (a76, b6, c2, d17), (a76, b6, c2, d18), (a76, b6, c2, d19), (a76, b6, c2, d20), (a76, b6, c2, d21), (a76, b6, c2, d22), (a76, b6, c3, d1), (a76, b6, c3, d2), (a76, b6, c3, d3), (a76, b6, c3, d4), (a76, b6, c3, d5), (a76, b6, c3, d6), (a76, b6, c3, d7), (a76, b6, c3, d8), (a76, b6, c3, d9), (a76, b6, c3, d10), (a76, b6, c3, d11), (a76, b6, c3, d12), (a76, b6, c3, d13), (a76, b6, c3, d14), (a76, b6, c3, d15), (a76, b6, c3, d16), (a76, b6, c3, d17), (a76, b6, c3, d18), (a76, b6, c3, d19), (a76, b6, c3, d20), (a76, b6, c3, d21), (a76, b6, c3, d22), (a77, b1, c1, d1), (a77, b1, c1, d2), (a77, b1, c1, d3), (a77, b1, c1 , d4), (a77, b1, c1, d5), (a77, b1, c1, d6), (a77, b1, c1, d7), (a77, b1, c1, d8), (a77, b1, c1, d9), (a77, b1, c1, d10), (a77, b1, c1, d11), (a77, b1, c1, d12), (a77, b1, c1, d13), (a77, b1, c1, d14), (a77, b1, c1, d15), (a77, b1, c1, d16), (a77, b1, c1, d17), (a77, b1, c1, d18), (a77, b1, c1, d19), (a77, b1, c1, d20), (a77, b1, c1, d21), (a77, b1, c1, d22), (a77, b1, c2, d1), (a77, b1, c2, d2), (a77, b1, c2, d3), (a77, b1, c2, d4), (a77, b1, c2, d5), (a77, b1, c2, d6), (a77, b1, c2, d7), (a77, b1, c2, d8) , (a77, b1, c 2, d9), (a77, b1, c2, d10), (a77, b1, c2, d11), (a77, b1, c2, d12), (a77, b1, c2, d13), (a77, b1, c2, d14), (a77, b1, c2, d15), (a77, b1, c2, d16), (a77, b1, c2, d17), (a77, b1, c2, d18), (a77, b1, c2, d19), (a77, b1, c2, d20), (a77, b1, c2, d 21), (a77, b1, c2, d22), (a77, b1, c3, d1), (a77, b1, c3, d2), (a77, b1, c3, d3), (a77, b1, c3, d4), (a77, b1, c3, d5), (a77, b1, c3, d6), (a77, b1, c3, d7), (a77, b1, c3, d8), (a77, b1, c3, d9), (a77, b1, c3, d10), (a77, b1, c3, d11), (a77, b1, c3, d12), (a77, b1, c3, d13), (a77, b1, c3, d14), (a77, b1, c3, d15),

(a77, b1, c3, d16), (a77, b1, c3, d17), (a77, b1, c3, d18), (a77, b1, c3, d19), (a77, b1, c3, d20), (a77, b1, c3, d21), (a77, b1, c3, d22), (a77, b2, c1, d1), (a77, b2, c1, d2), (a77, b2, c1, d3), (a77, b2, c1, d4), (a77, b2, c1, d5), (a77, b2, c1, d6), (a77, b2, c1, d7), (a77, b2, c1, d8), (a77, b2, c1, d9), (a77, b2, c1, d10), (a77, b2, c1, d11), (a77, b2, c1, d12), (a77, b2, c1, d13), (a77, b2, c1, d14), (a77, b2, c1, d15), (a77, b2, c1, d16), (a77, b2, c1, d17), (a77, b2, c1, d18), (a77, b2, c1, d19), (a77, b2, c1, d20), (a77, b2, c1, d21), (a77, b2, c1, d22), (a77, b2, c2, d1), (a77, b2, c2, d2), (a77, b2, c2, d3), (a77, b2, c2, d4), (a77, b2, c2, d5), (a77, b2, c2, d6), (a77, b2, c2, d7), (a77, b2, c2, d8), (a77, b2, c2, d9), (a77, b2, c2, d10), (a77, b2, c2, d11), (a77, b2, c2, d12), (a77, b2, c2, d13), (a77, b2, c2, d14), (a77, b2, c2, d15), (a77, b2, c2, d16), (a77, b2, c2, d17), (a77, b2, c2, d18), (a77, b2, c2, d19), (a77, b2, c2, d20), (a77, b2, c2, d21), (a77, b2, c2, d22), (a77, b2, c3, d1), (a77, b2, c3, d2), (a77, b2, c3, d3), (a77, b2, c3, d4), (a77, b2, c3, d5), (a77, b2, c3, d6), (a77, b2, c3, d7), (a77, b2, c3, d8), (a77, b2, c3, d9), (a77, b2, c3, d10), (a77, b2, c3, d11), (a77, b2, c3, d12), (a77, b2, c3, d13), (a77, b2, c3, d14), (a77, b2, c3, d15), (a77, b2, c3, d16), (a77, b2, c3, d17), (a77, b2, c3, d18), (a77, b2, c3, d19), (a77, b2, c3, d20), (a77, b2, c3, d21), (a77, b2, c3, d22), (a77, b3, c1, d1), (a77, b3, c1, d2), (a77, b3, c1, d3), (a77, b3, c1, d4), (a77, b3, c1, d5), (a77, b3, c1, d6), (a77, b3, c1, d7), (a77, b3, c1, d8), (a77, b3, c1, d9), (a77, b3, c1, d10), (a77, b3, c1, d11), (a77, b3, c1, d12), (a77, b3, c1, d13), (a77, b3, c1, d14), (a77, b3, c1, d15), (a77, b3, c1, d16), (a77, b3, c1, d17), (a77, b3, c1, d18), (a77, b3, c1, d19), (a77, b3, c1, d20), (a77, b3, c1, d21), (a77, b3, c1, d22), (a77, b3, c2, d1), (a77, b3, c2, d2), (a77, b3, c2, d3), (a77, b3, c2, d4), (a77, b3, c2, d5), (a77, b3, c2, d6), (a77, b3, c2, d7), (a77, b3, c2, d8), (a77, b3, c2, d9), (a77, b3, c2, d10), (a77, b3, c2, d11), (a77, b3, c2, d12), (a77, b3, c2, d13), (a77, b3, c2, d14), (a77, b3, c2, d15), (a77, b3, c2, d16), (a77, b3, c2, d17), (a77, b3, c2, d18), (a77, b3, c2, d19), (a77, b3, c2, d20), (a77, b3, c2, d21), (a77, b3, c2, d22), (a77, b3, c3, d1), (a77, b3, c3, d2), (a77, b3, c3, d3), (a77, b3, c3, d4), (a77, b3, c3, d5), (a77, b3, c3, d6), (a77, b3, c3, d7), (a77, b3, c3, d8), (a77, b3, c3, d9), (a77, b3, c3, d10), (a77, b3, c3, d11), (a77, b3, c3, d12), (a77, b3, c3, d13), (a77, b3, c3, d14), (a77, b3, c3, d15), (a77, b3, c3, d16), (a77, b3, c3, d17), (a77, b3, c3, d18), (a77, b3, c3, d19), (a77, b3, c3, d20), (a77, b3, c3, d21), (a77, b3, c3, d22), (a77, b4, c1, d1), (a77, b4, c1, d2), (a77, b4, c1, d3), (a77, b4, c1, d4), (a77, b4, c1, d5), (a77, b4, c1, d6), (a77, b4, c1, d7), (a77, b4, c1, d8), (a77, b4, c1, d9), (a77, b4, c1, d10), (a77, b4, c1, d11), (a77, b4, c1, d12), (a77, b4, c1, d13), (a77, b4, c1, d14), (a77, b4, c1, d15), (a77, b4, c1, d16), (a77, b4, c1, d17), (a77, b4, c1, d18), (a77, b4, c1, d19), (a77, b4, c1, d20), (a77, b4, c1, d21), (a77, b4, c1, d22), (a77, b4, c2, d1), (a77, b4, c2, d2), (a77, b4, c2, d3), (a77, b4, c2, d4), (a77, b4, c2, d5), (a77, b4, c2, d6), (a77, b4, c2, d7), (a77, b4, c2, d8), (a77, b4, c2, d9), (a77, b4, c2, d10), (a77, b4, c2, d11), (a77, b4, c2, d12), (a77, b4, c2, d13), (a77, b4, c2, d14), (a77, b4, c2, d15), (a77, b4, c2, d16), (a77, b4, c2, d17), (a77, b4, c2, d18), (a77, b4, c2, d19), (a77, b4, c2, d20), (a77, b4, c2, d21), (a77, b4, c2, d22), (a77, b4, c3, d1), (a77, b4, c3, d2), (a77, b4, c3, d3), (a77, b4, c3, d4), (a77, b4, c3, d5), (a77, b4, c3, d6), (a77, b4, c3, d7), (a77, b4, c3, d8), (a77, b4, c3, d9), (a77, b4, c3, d10), (a77, b4, c3, d11), (a77, b4, c3, d12), (a77, b4, c3, d13), (a77, b4, c3, d14), (a77, b4, c3, d15), (a77, b4, c3, d16), (a77, b4, c3, d17), (a77, b4, c3, d18), (a77, b4, c3, d19), (a77, b4, c3, d20), (a77, b4

, c3, d21), (a77, b4, c3, d22), (a77, b5, c1, d1) , (a77, b5, c1, d2), (a77, b5, c1, d3), (a77, b5, c1, d4), (a77, b5, c1, d5), (a77, b5, c1, d6), (a77, b5, c1, d7), (a77, b5, c1, d8), (a77, b5, c1, d9), (a77, b5, c1, d10), (a77, b5, c1, d11), (a77, b5, c1, d12), (a77, b5, c1, d13), (a77, b5, c1, d14), (a 77, b5, c1, d15), (a77, b5, c1, d16), (a77, b5, c1, d17), (a77, b5, c1, d18), (a77, b5, c1, d19), (a77, b5, c1, d20), (a77, b5, c1, d21), (a77, b5, c1, d22), (a77, b5, c2, d1), (a77, b5, c2, d2), (a77, b5, c2, d3), (a77, b5, c2, d4), (a77, b5, c2, d5), (a7 7, b5, c2, d6), (a77, b5, c2, d7), (a77, b5, c2, d8), (a77, b5, c2, d9), (a7 7, b5, c2, d10), (a77, b5, c2, d11), (a77, b5, c2, d12), (a77, b5, c2, d13), (a7 7, b5, c2, d14), (a77, b5, c2, d15), (a77, b5, c2, d16), (a77, b5, c2, d17), (a 7, b5, c2, d18), (a7 7, b5, c2, d19), (a77, b5, c2, d20), (a77, b5, c2, d21), (a 77, b5, c2, d22), (a77, b5, c3, d1), (a77, b5, c3, d2), (a77, b5, c3, d3), (a77,

b5, c3, d4), (a77, b5, c3, d5), (a77, b5, c3, d6), (a77, b5, c3, d7), (a77, b5, c3, d8), (a77, b5, c3, d9), (a77, b5 , c3, d10), (a77, b5, c3, d11), (a77, b5, c 3, d12), (a77, b5, c3, d13), (a77, b5, c3, d14), (a77, b5, c3, d15), (a77, b5, c 3, d16), (a77, b5, c3, d17), (a77, b5, c3, d18), (a77, b5, c3, d19), (a77, b5, c 3, d20), (a77, b5, c3, d21), (a77, b5, c3, d22), (a77 , b6, c1, d1), (a77, b6, c 1, d2), (a77, b6, c1, d3), (a77, b6, c1, d4), (a77, b6, c1, d5), (a77, b6, c1, d 6), (a77, b6, c1, d7), (a77, b6, c1, d8), (a77, b6, c1, d9), (a77, b6, c1, d10), (a77, b6, c1, d11), (a77, b6, c1, d12), (a77, b6, c1, d13), (a77, b6, c1, d14) , (a77, b6, c1, d15), (a77, b6, c1, d16), (a77, b6, c1, d17), (a77, b6, c1, d18) , (a77, b6, c1, d19), (a77, b6, c1, d20), (a77, b6, c1, d21), (a77, b6, c1, d22) , (a77, b6, c2, d1), (a77, b6, c2, d2), (a77, b6, c2, d3), (a77, b6, c2, d4), (a 77, b6, c2, d5), (a77, b6, c2, d6), (a77, b6, c2, d7), (a77, b6, c2, d8), (a77, b6, c2, d9), (a77, b6, c2, d10), (a77, b6, c2, d11), (a77, b6, c2, d12), (a77, b6, c2, d13), (a77, b6, c2, d14), (a77, b6, c2, d15), (a77, b6, c2, d16), (a77, b6, c2, d17), (a77, b6, c2, d18), (a77, b6, c2, d19), (a77, b6, c2, d20), (a77, b6, c2, d21), (a77, b6, c2, d22), (a77, b6, c3, d1), (a77, b6, c3, d2), (a77, b6 , c3, d3), (a77, b6, c3, d4), (a77, b6, c3, d5), (a77, b6, c3, d6), (a77, b6, c3 , d7), (a77, b6, c3, d8), (a77, b6, c3, d9), (a77, b6, c3, d10), (a77, b6, c3, d 11), (a77, b6, c3, d12), (a77, b6, c3, d13), (a77, b6, c3, d14), (a77, b6, c3, d 15), (a77, b6, c3, d16), (a77, b6, c3, d17), (a77, b6, c3, d18), (a77, b6, c3, d 19), (a77, b6, c3, d20), (a77, b6, c3, d21), (a77, b6, c 3, d22), (a78, b1, c1, d1), (a78, b1, c1, d2), (a78, b1, c1, d3), (a78, b1, c1, d4), (a78, b1, c1, d5), (a78, b1, c1, d6), (a78, b1, c1, d7), (a78, b1, c1, d8), (a78, b1, c1, d9), (a7 8, b1, c1, d10), (a78, b1, c1, d11), (a78, b1, c1, d12), (a78, b1, c1, d1 3), (a 78, b1, c1, d14), (a78, b1, c1, d15), (a78, b1, c1, d16), (a78, b1, c1, d17), (a 78, b1, c1, d18), (a78, b1, c1, d19), (a78, b1, c1, d20), (a78, b1, c1, d21), (a 78, b1, c1, d22), (a78, b1, c2, d1), (a78, b1, c2, d2), (a78, b1, c2, d3), (a78, b1, c2, d 4), (a78, b1, c2, d5), (a78, b1, c2, d6), (a78, b1, c2, d7), (a78, b1 , c2, d8), (a78, b1, c2, d9), (a78, b1, c2, d10), (a78, b1, c2, d11), (a78, b1, c2, d12), (a78, b1, c2, d13), (a78, b1, c2, d14), (a78, b1, c2, d15), (a78, b1, c2, d16), (a78, b1, c2, d17), (a78, b1, c2, d18), (a78, b1, c2, d19), (a78, b1, c2, d20), (a78, b1, c2, d21), (a78, b1, c2, d22), (a78, b1, c3, d1), (a78, b1, c3, d2), (a78, b1, c3, d3), (a78, b1, c3, d4), (a78, b1, c3, d5), (a78, b1, c3, d6), (a78, b1, c3, d7), (a78, b1, c3, d8), (a78, b1, c3, d9), (a78, b1, c3, d10), (a78, b1, c3, d11), (a78, b1, c3, d12), (a78, b1, c3, d13), (a78, b1, c3, d14), (a78, b1, c3, d15), (a78, b1, c3, d16), (a78, b1, c3, d17), (a78, b1, c3, d18), (a78, b1, c3, d19), (a78, b1, c3, d20), (a78, b1, c3, d21) , (a78, b1, c3, d2

2), (a78, b2, c1, d1), (a78, b2, c1, d2), (a78, b2, c1, d3), (a78, b2, c1, d4), (a78, b2, c1, d5), (a78, b2, c1, d6), (a78, b2, c1, d7), (a78, b2, c1, d8), (a78, b2, c1, d9), (a78, b2, c1, d10), (a78, b2, c1, d11), (a78, b2, c1, d12), (a7 8, b2, c1, d13), (a78, b2, c1, d14), (a78, b2, c1, d15), (a78, b2, c1, d16), (a78, b2, c1, d17), (a78, b2, c1, d18), (a78, b2, c1, d19), (a78, b2, c1, d20), (a78, b2, c1, d21), (a78, b2, c1, d22), (a78, b2, c2, d1), (a78, b2, c2, d2), (a78, b2, c2, d3), (a 78, b2, c2, d4), (a78, b2, c2, d5), (a78, b2, c2, d6), (a78, b2, c2, d7), (a78, b2, c2, d8), (a78, b2, c2, d9), (a78, b2, c2, d10), (a78, b2, c2, d11), (a78, b2, c2, d12), (a78, b2, c2, d13), (a78, b2, c2, d14), (a78, b2, c2, d15), (a78, b2, c2, d16), (a78 , b2, c2, d17), (a78, b2, c2, d18), (a78, b2, c 2, d19), (a78, b2, c2, d20), (a78, b2, c2, d21), (a78, b2, c2, d22), (a78, b2, c 3, d1), (a78, b2, c3, d2), (a78, b2, c3, d3), (a78, b2, c3, d4), (a78, b2, c3, d 5), (a78, b2, c3, d6), (a78, b2, c3, d7), (a78, b 2, c3, d8), (a78, b2, c3, d9), (a78, b2, c3, d10), (a78, b2, c3, d11), (a78, b2, c3, d12), (a78, b2, c3, d13), (a78, b2, c3, d14), (a78, b2, c3, d15), (a78, b2, c3, d16), (a78, b2, c3, d17), (a78, b2, c3, d18), (a78, b2, c3, d19), (a78, b2, c3, d20), (a78, b2, c3, d21), (a78, b2, c3, d22), (a78, b3, c1, d1), (a78, b3, c1, d2), (a78, b3, c1, d3), (a78, b3, c1, d4), (a78, b3, c1, d5), (a78, b3, c1, d6), (a78, b3, c1, d7), (a78, b3, c1, d8), (a78, b3, c1, d9), (a78, b3, c1, d10), (a78, b3, c1, d11), (a78, b 3, c1, d12), (a78, b3, c1, d13), (a78, b3, c1, d14), (a78, b3, c1, d15), (a78, b 3, c1, d16), (a78, b3, c1, d17), (a78, b3, c1, d18), (a78, b3, c1, d19), (a78, b 3, c1, d20), (a78, b3, c1, d21), (a78, b3, c1, d22), (a78, b3, c2, d1), (a78, b3 , c2, d2), (a78, b3 , c2, d3), (a78, b3, c2, d4), (a78, b3, c2, d5), (a78, b3, c 2, d6), (a78, b3, c2, d7), (a78, b3, c2, d8), (a78, b3, c2, d9), (a78, b3, c2, d 10), (a78, b3, c2, d11), (a78, b3, c2, d12), (a78, b3, c2, d13), (a78, b3, c2, d 14), (a78, b3, c2, d15), (a78, b3, c 2, d16), (a78, b3, c2, d17), (a78, b3, c2, d18), (a78, b3, c2, d19), (a78, b3, c2, d20), (a78, b3, c2, d21), (a78, b3, c2, d22), (a78, b3, c3, d1), (a78, b3, c3, d2), (a78, b3, c3, d3), (a78, b3, c3, d4), (a78, b3, c3, d5), (a78, b3, c3, d6), (a78, b3, c3, d7), (a78, b3, c3, d8), (a78, b3, c3, d9), (a78, b3, c3, d10), (a78, b3, c3, d11), (a78, b3, c3, d12), (a 78, b3, c3, d13), (a78, b3, c3, d14), (a78, b3, c3, d15), (a78, b3, c3, d16), (a 78, b3, c3, d17), (a78, b3, c3, d18), (a78, b3, c3, d19), (a78, b3, c3 , d20), (a78, b3, c3, d21), (a78, b3, c3, d22), (a78, b4, c1, d1), (a78, b4, c1, d2), (a7 8, b4, c1, d3), (a78, b4, c1, d4), (a78, b4, c1, d5), (a78, b4, c1, d6), (a78, b 4, c1, d7), (a78, b4, c1, d8), (a78, b4, c1, d9), (a78, b4, c1, d10), (a78, b4, c1, d11), (a78, b4, c1, d12), (a78, b4, c1, d13), (a78, b4, c1, d14), (a78, b4, c1, d15), (a78, b4, c1, d16), (a78, b4, c1, d17), (a78, b4, c1, d18), (a78, b4, c1, d19), (a78, b4, c1, d20), (a78, b4, c1, d21), (a78, b4, c1, d22), (a78, b4, c2, d1), (a78, b4, c2, d2), (a78, b4, c2, d3), (a78, b4, c2, d4), (a78, b4, c2, d5), (a78, b4, c2, d6), (a78, b4, c2, d7), (a78, b4, c2, d8), (a78, b4, c2, d9) , (a78, b4, c2, d10), (a78, b4, c2, d11), (a78, b4, c2, d12), (a78, b4, c2, d13) , (a78, b4, c2, d14), (a78, b4, c2, d15) , (a78, b4, c2, d16), (a78, b4, c2, d17), (a78, b4, c2, d18), (a78, b4, c2, d19), (a78, b4, c2, d20), (a78, b4, c2, d21), (a78, b4, c2, d22), (a78, b4, c3, d1), (a78, b4, c3, d2), (a78, b4, c3, d3), (a78, b4, c3, d4), (a78, b4, c3, d5), (a78, b4, c3, d6), (a78, b4, c3, d7), (a78 , b4, c3, d8), (a78, b4, c3, d9), (a78, b4, c3, d10), (a78, b4, c3, d11), (a78, b4, c3, d12), (a78, b4, c3, d13), (a78, b4, c3, d14), (a78, b4, c3, d15), (a78, b4, c3, d16), (a78, b4, c3, d17), (a78, b4, c3, d18), (a78, b4, c3, d19), (a78, b4, c3, d20), (a78, b4, c3, d21), (a78, b4, c3, d22), (a78, b5, c1, d1), (a78, b5, c1, d2), (a78, b5, c1, d3), (a78, b5, c1, d4), (a78, b5, c1, d5), (a78, b5,

c1, d6), (a78, b5, c1, d7), (a78, b5, c1, d8), (a78, b5, c1, d9), (a78, b5, c1, d10), (a78 , b5, c1, d11), (a78, b5, c1, d12), (a78, b5, c1, d13), (a78, b5, c1, d14), (a78, b5, c1, d15), (a78, b5, c1, d16), (a78, b5, c1, d17), (a78, b5, c1, d18), (a78, b5, c1, d19), (a78, b5, c1, d20), (a78, b5, c1, d21), (a78, b5, c1, d22), (a78, b5, c2, d1), (a78, b5, c2, d2), (a78, b5, c2, d3), (a78, b5, c2, d4), (a78, b5, c2, d5), (a78, b5, c2, d6), (a78, b5, c2, d7), (a78, b5, c2, d8), (a78, b5, c2, d9), (a78, b5, c2, d10), (a78, b5, c2, d11), (a78, b5, c2, d12), (a78, b5, c2, d13), (a78, b5, c2, d14), (a78, b5, c2, d15), (a78, b5, c2, d16), (a78, b5, c2, d17), (a78, b5, c2, d18), (a78, b5, c2, d19), (a78, b5, c2, d20), (a78, b5, c2, d21), (a78, b5, c2, d22), (a78, b5, c3, d1), (a78, b5, c3, d2), (a78, b5, c3, d3), (a78, b5, c3, d4), (a78, b5, c3, d5), (a78, b5, c3, d6), (a78, b5, c3, d7), (a78, b5, c3, d8), (a78, b5, c3, d9), (a78, b5, c3, d10), (a78, b5, c3, d11), (a78, b5, c3, d12), (a78, b5, c3, d13), (a78, b5, c3, d14), (a78, b5, c3, d15), (a78, b5, c3, d16), (a78, b5, c3, d17), (a78, b5, c3, d18), (a78, b5, c3, d19), (a78, b5, c3, d20), (a78, b5, c3, d21), (a78, b5, c3, d22), (a78, b6, c1, d1), (a78, b6, c1, d2), (a78, b6, c1, d3), (a78, b6, c1, d4), (a78, b6, c1, d5), (a78, b6, c1, d6), (a78, b6, c1, d7), (a78, b6, c1, d8), (a78, b6, c1, d9) , (a78, b6, c 1, d10), (a78, b6, c1, d11), (a78, b6, c1, d12), (a78, b6, c1, d13), (a78, b6, c1, d14), (a78, b6, c1, d15), (a78, b6, c1, d16), (a78, b6, c1, d17), (a78, b6, c1, d18), (a78, b6, c1, d19), (a78, b6, c1, d20), (a78, b6, c1, d21), (a78, b6, c1, d22), (a78, b 6, c2, d1), (a78, b6, c2, d2), (a78, b6, c2, d3), (a78, b6, c2, d4), (a78, b6, c2, d5), (a78, b6, c2, d6), (a78, b6, c2, d7), (a78, b6, c2, d8), (a78, b6, c2, d9), (a78, b6, c2, d10), (a78, b6, c2, d11), (a78, b6, c2, d12), (a78, b6, c2, d13), (a78, b6, c2 , d14), (a78, b6, c2, d15), (a78 , b6, c2, d16), (a78, b6, c2, d17), (a78, b6, c2, d18), (a78, b6, c2, d19), (a78 , b6, c2, d20), (a78, b6, c2, d21), (a78, b6, c2, d22), (a78, b6, c3, d1), (a78, b6, c3, d2), (a78, b6, c3, d3), (a78, b6, c3, d4), (a78, b6, c3 , d5), (a78, b6 , c3, d6), (a78, b6, c3, d7), (a78, b6, c3, d8), (a78, b6, c3, d9), (a78, b6, c3 , d10), (a78, b6, c3, d11), (a78, b6, c3, d12), (a78, b6, c3, d13), (a78, b6, c3 , d14), (a78, b6, c3, d15), (a78, b6, c3, d16), (a78, b6, c3, d17), (a78, b6, c3 , d18), (a78, b6, c3, d19), (a78, b6, c3, d20), (a78, b6, c3, d21), (a78, b6, c 3, d22), (a79, b1, c1, d1), (a79, b1, c1, d2), (a79, b1, c1, d3), (a79, b1, c1, d4), (a79, b1, c1, d5), (a79, b1, c1, d6), (a79, b1, c1, d7), (a79, b1, c1, d8), (a79, b1, c1, d9) , (a79, b1, c1, d10), (a79, b1, c1, d11), (a79, b1, c1, d12), (a79, b1, c1, d13), (a79, b1, c1, d14), (a79, b1, c1, d15), (a79, b1, c1, d16), (a79, b1, c1, d17), (a79, b1, c1, d18), (a79, b1, c1, d19), (a79, b1, c1, d20), (a79, b1, c1, d21), (a79, b1, c1, d22), (a79, b1, c2, d1), (a79, b1, c2, d2), (a79, b1, c2, d3), (a79, b1, c2, d4), (a79, b1, c2, d5), (a79, b1, c2, d6), (a79, b1, c2, d7), (a79, b1, c2, d8), (a79, b1, c2, d9), (a79, b1, c2, d10), (a79, b1 , c2, d11), (a79, b1, c2, d12), (a79, b1, c2, d13), (a79, b1, c2, d14), (a79, b 1, c2, d15), (a79, b1, c2, d16), (a79, b1, c2, d17), (a79, b1, c2, d18), (a79, b 1

, c2, d19), (a79, b1, c2, d20), (a79, b1, c2, d21), (a79, b1, c2, d22), (a79, b1 , c3, d1), (a79, b1, c3, d2), (a79, b1, c3, d3), (a79, b1, c3, d4), (a79, b1, c 3, d5), (a79, b1, c3, d6), (a79, b1, c3, d7), (a79, b1, c3, d8), (a79, b1, c3, d 9), (a79, b1, c3, d10), (a79, b1, c3, d11), (a79, b1, c3, d12), (a79, b1, c3, d1 3), (a79, b1, c3, d14), (a79, b1, c3, d15), (a79, b1, c3, d16), (a79, b1, c3, d1 7), (a79, b1, c3, d18), (a79, b1, c3, d19), (a79, b1, c3, d20), (a79, b1, c3, d2 1), (a79, b1, c3, d22), (a79, b2, c1, d1), (a79, b2, c1, d2), (a79, b2, c1, d3), (a79, b2, c1, d4), (a79, b2, c1, d5), (a79, b2, c1, d6), (a79, b2, c1, d7), (a7

9, b2, c1, d8), (a79 , b2, c1, d9), (a79, b2, c1, d10), (a79, b2, c1, d11), (a79 , b2, c1, d12), (a79, b2, c1, d13), (a79, b2, c1, d14), (a79, b2, c1, d15), (a79 , b2, c1, d16), (a79, b2, c1, d17), (a79, b2, c1, d18), (a79, b2, c1, d19), (a79 , b2, c1, d20), (a79, b2, c1, d21), (a79, b2, c1, d22), (a79, b2, c2, d1), (a79 , b2, c2, d2), (a79, b2, c2, d3), (a79, b2, c2, d4), (a79, b2, c2, d5), (a79, b2 , c2, d6), (a79, b2, c2, d7), (a79, b2, c2, d8), (a79, b2, c2, d9), (a79, b2, c2 , d10), (a79, b2, c2, d11), (a79, b2, c2, d12), (a79, b2, c2, d13), (a79, b2, c2 , d14), (a79, b2, c2, d15), (a79, b2, c2, d16), (a79, b2, c2, d17), (a79, b2, c2 , d18), (a79, b2, c2, d19), (a79, b2, c2, d20), (a79, b2, c2, d21), (a79, b2, c2 , d22), (a79, b2, c3, d1), (a79, b2, c3, d2), (a79, b2, c3, d3), (a79, b2, c3, d4), (a79, b2, c3, d5), (a79, b2, c3, d6), (a79, b2, c3, d7), (a79, b2, c3, d8), (a79, b2, c3, d9), (a79, b2, c3, d10), (a79, b2, c3, d11), (a79, b2, c3, d12), (a79, b2, c3, d13), (a79, b2, c3, d14), (a79, b2, c3, d15), (a79, b2, c3, d16), (a79, b 2, c3, d17), (a79, b2, c3, d18), (a79, b2, c3, d19), (a79, b2, c3, d20), (a79, b2, c3, d21), (a79, b2, c3, d22), (a79, b3, c1, d1), (a79, b3, c1, d2), (a79, b3, c1, d3), (a79, b3, c1, d4), (a79, b3, c1, d5), (a79, b3, c1, d6), (a79, b3, c1, d7), (a79, b3, c1, d8), (a79, b3, c1, d9), (a79, b3, c1, d10), (a79, b3 , c1, d11), (a79, b3, c1, d12), (a79, b3, c1, d13), (a79, b3, c1, d14), (a79, b3 , c1, d15), (a79, b3, c1, d16), (a79, b3, c1, d17), (a79, b3, c1, d18), (a79, b3 , c1, d19), (a79, b3, c1, d20), (a79, b3 , c1, d21), (a79, b3, c1, d22), (a79, b 3, c2, d1), (a79, b3, c2, d2), (a79, b3, c2, d3), (a79, b3, c2, d4), (a79, b3, c 2, d5), (a79, b3, c2, d6), (a79, b3, c2, d7), (a79, b3, c2, d8), (a79, b3, c2, d 9), (a79, b3, c2, d10), (a79, b3, c2, d11), (a79, b3, c2, d12), (a79, b3, c2, d 13), (a79, b3, c2, d14), (a79, b3, c2, d15), (a79, b3, c2, d16), (a79, b3, c2, d 17), (a79, b3, c2, d18), (a79, b3, c2, d19), (a79, b3, c2, d20), (a79, b3, c2, d 21), (a79, b3, c2, d22), (a79, b3, c3, d1), (a79, b3, c3, d2), (a79, b3, c 3, d3), (a79, b3, c3, d4), (a79, b3, c3, d5), (a79, b3, c3, d6), (a79, b3, c3, d7), (a79, b3, c3, d8), (a79, b3, c3, d9), (a79, b3, c3, d10), (a79, b3, c3, d11), (a7 9, b3, c3, d12), (a79, b3, c3, d13), (a79, b3, c3, d14), (a79, b3, c3, d15), (a7 9, b3, c3, d16), (a79, b3, c3, d17), (a79, b3, c3, d18), (a79, b3, c3, d19), (a7 9, b3, c3, d20), (a79, b3, c3, d21), (a79, b3, c3, d22), (a79, b4, c1, d1), (a79 , b4, c1, d2), (a79, b4, c1, d3), (a79, b4, c1, d4), (a79, b4, c1, d5), (a79, b4 , c1, d6), (a79, b4, c1, d7), (a79, b4, c1, d8), (a79, b4, c1, d9), (a79, b4, c 1, d10), (a79, b4, c1, d11), (a79, b4, c1, d12), (a79, b4, c1, d13), (a79, b4, c 1, d14), (a79, b4, c1, d15), (a79, b4, c1, d16), (a79, b4, c1, d17), (a79, b4, c 1, d18), (a79, b4, c1, d19), (a79, b4, c1, d 20), (a79, b4, c1, d21), (a79, b4, c1, d22), (a79, b4, c2, d1), (a79, b4, c2, d2), (a79, b4, c2, d3), (a79, b4, c2, d4), (a79, b4, c2, d5), (a79, b4, c2, d6), (a79, b4, c2, d7), (a79, b4, c2, d8) , (a79, b4, c2, d9), (a79, b4, c2, d10), (a79, b4, c2, d11), (a79, b4, c2, d12), (a79, b4, c2, d13), (a79, b4, c2, d14), (a79, b4, c2, d15), (a79, b4, c2, d16), (a79, b4, c2, d17), (a79, b4, c2, d18), (a79, b4, c2, d19), (a79, b4, c2, d20), (a79, b4, c2, d21), (a79, b4, c2, d22), (a79, b4, c3, d1), (a79, b4, c3, d2) , (a79, b4, c3, d3), (a79, b4, c3, d4), (a79, b4, c3, d5), (a79, b4, c3, d6), (a79 , b4, c3, d7), (a79, b4, c3, d8), (a79, b4, c3, d9), (a79, b4, c3, d10), (a79, b 4, c3, d11), (a79, b4, c3, d12), (a79, b4, c3, d13), (a79, b4, c3, d14), (a79, b 4, c3, d15), (a79, b4, c3, d16), (a79, b4, c3, d17), (a79, b4, c3, d18), (a79, b4, c3, d19), (a79, b4, c3, d20), (a79, b4, c3, d21), (a79, b4, c3, d22), (a79, b5, c1, d1), (a79, b5, c1, d2), (a79, b5, c1, d3), (a79, b5, c1, d4), (a79, b5, c1, d5), (a79, b5, c1, d6), (a7 9, b5, c1, d7), (a79, b5, c1, d8), (a79, b5, c1, d9), (a79, b5, c1, d10), (a79, b5, c1, d11), (a79, b5, c1, d12), (a79, b5, c1,

d13), (a79, b5, c1, d14), (a79, b5, c1, d15), (a79, b5, c1, d16), (a79, b5, c1, d17), (a79, b5, c1, d18), (a79, b5, c1, d19), (a 79, b5, c1, d20), (a79, b5, c1, d21), (a79, b5, c1, d22), (a79, b5, c2, d1), (a79, b5, c2, d2), (a79, b5, c2, d3), (a79, b5, c2, d4), (a79, b5, c2, d5), (a79, b5, c2, d6), (a79, b5, c2, d7), (a79, b5, c2, d8), (a79, b5, c2, d9), (a79, b5, c2, d10), (a79, b 5, c2, d11), (a79, b5, c2, d12), (a79, b5, c2, d13), (a79, b5, c2, d14), (a79, b5, c2, d15), (a79, b5, c2, d16), (a79, b5, c2, d17), (a79, b5, c2, d18), (a79, b5, c2, d19), (a79, b5, c2, d20), (a79, b5, c2, d21), (a79, b5, c2, d22), (a79, b5, c3, d1), (a79 , b5, c3, d2), (a79, b5, c3, d3), (a79, b5, c3, d4), (a79, b5, c3, d5), (a79, b5, c3, d6), (a79, b5, c3, d7), (a79, b5, c3, d8), (a79, b5, c3, d9), (a79, b5, c3, d10), (a79, b5, c3, d11), (a79, b5, c3, d12), (a79, b5, c3, d13), (a79, b5, c3, d14), (a79, b5 , c3, d15), (a79, b5, c3, d16), (a79, b5, c3, d17), (a79, b5 , c3, d18), (a79, b5, c3, d19), (a79, b5, c3, d20), (a79, b5, c3, d21), (a79, b5 , c3, d22), (a79, b6, c1, d1), (a79, b6, c1, d2), (a79, b6, c1, d3), (a79, b6, c 1, d4), (a79, b6, c1, d5), (a79, b6, c1, d6), (a79, b6, c1, d7), (a79, b6, c1, d8), (a79, b6, c1, d9), (a79, b6, c1, d10), (a79, b6, c1, d11), (a79, b6, c1, d1 2), (a79, b6, c1, d13), (a79, b6, c1, d14), (a79, b6, c1, d15), (a79, b6, c1, d1 6), (a79, b6, c1, d17), (a79, b6, c1, d18), (a79, b6, c1, d19), (a79, b6, c1, d 20), (a79, b6, c1, d21), (a79, b6, c1, d22), (a79, b6, c2, d1), (a79, b6, c2, d2), (a79, b6, c2, d3), (a79, b6, c2, d4), (a79, b6, c2, d5), (a79, b6, c2, d6), (a79, b6, c2, d7), (a79, b6, c2, d8), (a79, b6, c2, d9), (a79, b6, c2, d10), (a79 , b6, c2, d11), (a79, b6, c2, d12), (a79, b6, c2, d13), (a79, b6, c2, d14), (a79 , b6, c2, d15), (a79, b6, c2, d16), (a79, b6, c2, d17), (a79, b6, c2, d18), (a79 , b6, c2, d19), (a79, b6, c2, d20), (a79, b6, c2, d21), (a79, b6, c2, d22), (a79 , b6, c3, d1), (a79, b6, c3, d2), (a79, b6, c3, d3), (a79, b6, c3, d4), (a79, b6 , c3, d5), (a79, b6, c3, d6), (a79, b6, c3, d7), (a79, b6, c3, d8), (a79, b6, c3 , d9), (a79, b6, c3, d10), (a79, b6, c3, d11), (a79, b6, c3, d12), (a79, b6, c3, d13), (a79, b6, c3, d 14), (a79, b6, c3, d15), (a79, b6, c3, d16), (a79, b6, c3 , d17), (a79, b6, c3, d18), (a79, b6, c3, d19), (a79, b6, c3, d20), (a79, b6, c3 , d21), (a79, b6, c3, d22), (a80, b1, c1, d1), (a80, b1, c1, d2), (a80, b1, c1, d3), (a80, b1, c1, d4), (a80, b1, c1, d 5), (a80, b1, c1, d6), (a80, b1, c1, d7) , (a80, b1, c1, d8), (a80, b1, c1, d9), (a80, b1, c1, d10), (a80, b1, c1, d11), (a80, b1, c1, d12), (a80, b1, c1, d13), (a80, b1, c1, d14), (a80, b1, c1, d15), (a80, b1, c1, d16), (a80, b1, c1, d17), (a80, b1, c1, d1 8), (a80, b1, c1, d19), (a80, b1, c1, d20), (a80, b1, c1, d21), (a80, b1, c1, d22), (a80, b1, c2, d1), (a80, b1, c2, d2), (a80, b1, c2, d3), (a80, b1, c2, d4), (a80, b1, c2, d5), (a80 , b1, c2, d6), (a80, b1, c2, d7), (a80, b1, c2, d8), (a80, b1, c2, d9), (a80, b 1, c2, d10), (a80, b1, c2, d11), (a80, b1, c2, d12), (a80, b1, c2, d13), (a80, b 1, c2, d14), (a80, b1, c2, d15), (a80, b1, c2, d16), (a80, b1, c2, d17), (a80, b 1, c2, d18), (a80, b1, c2, d19), (a80, b1, c2, d20), (a80, b1, c2, d21), (a80, b 1, c2, d22), (a80, b1, c3, d1), (a80, b1, c3, d2), (a80, b1, c3, d3), (a80, b1, c3, d4), (a80, b1, c3, d5), (a80, b1, c3, d6), (a80, b1, c3, d7), (a80, b1, c3, d8), (a80, b1, c3, d9), (a80, b1, c3, d10), (a80, b1, c3, d11), (a80, b1, c3, d 12), (a80, b1, c3, d13), (a 80, b1, c3, d14), (a80, b1, c3, d15), (a80, b1, c3, d16), (a80, b1, c3, d17), (a80, b1, c3, d18), (a80, b1, c3, d19), (a80, b1, c3, d20), (a80, b1, c3, d21), (a80, b1, c3, d22), (a80, b2, c1, d1), (a80, b2, c1, d 2), (a80, b2, c1, d3), (a80, b2, c1, d4), (a 80, b2, c1, d5), (a80, b2, c1, d6), (a80, b2, c1, d7), (a80, b2, c1, d8), (a80, b2, c1, d9), (a80, b2, c1, d10), (a 80, b2, c1, d11), (a80, b2, c1, d12), (a80, b2, c1, d13), (a80, b2, c1, d14), (a 80, b2, c1, d15), (a80, b2, c1, d16), (a80, b2, c1, d17), (a8 0, b2, c1, d18), (

a80, b2, c1, d19), (a80, b2, c1, d20), (a80, b2, c1, d21), (a80, b2, c1, d22), (
a80, b2, c2, d1), (a80, b2, c2, d2), (a80, b2, c2, d3), (a80, b2, c2, d4), (a80,
b2, c2, d5), (a80, b2, c2, d6), (a80, b2, c2, d7), (a80, b2, c2, d8), (a80, b 2
, c2, d9), (a80, b2, c2, d10), (a80, b2, c2, d11), (a80, b2, c2, d12), (a80, b2,
c2, d13), (a80, b2, c2, d14), (a80, b2, c2, d15), (a80, b2, c2, d16), (a80, b2,
c2, d17), (a80, b2, c2, d18), (a80, b2, c2, d19), (a80, b2, c2, d20), (a80, b2,
c2, d21), (a80 , b2, c2, d22), (a80, b2, c3, d1), (a80, b2, c3, d2), (a80, b2,
c3, d3), (a80, b2, c3, d4), (a80, b2, c3, d5), (a80, b2, c3, d6), (a80, b2, c3,
d7), (a80, b2, c3, d8), (a80, b2, c3, d9), (a80, b2, c3, d10), (a80, b2, c3, d11
), (a80, b2, c3, d12), (a80, b2, c3, d13), (a80, b2, c3, d14), (a80, b2, c3, d1
5), (a80, b2, c3, d16), (a80, b2, c3, d17), (a80, b2, c3, d18), (a80, b2, c3, d1
9), (a80, b2, c3, d20), (a80, b2, c3, d21), (a80, b2, c3, d22), (a80, b3, c1, d1
), (a80, b3, c1, d2), (a80, b3, c1, d3), (a80, b3 , c1, d4), (a80, b3, c1, d5),
(a80, b3, c1, d6), (a80, b3, c1, d7), (a80, b3, c1, d8), (a80, b3, c1, d9), (a80
, b3, c1, d10), (a80, b3, c1, d11), (a80, b3, c1, d12), (a80, b3, c1, d13), (a80
, b3, c1, d14), (a80, b3, c1, d15), (a80, b3, c1, d16), (a80, b3, c1, d17), (a80
, b3, c1, d18), (a80, b3, c1, d19), (a80, b3, c1, d20), (a80, b3, c1, d21), (a80
, b3, c1, d22), (a80, b3, c2, d1), (a80, b3, c2, d2), (a80, b3, c2, d3), (a80, b
3, c2, d4), (a80, b3, c2, d5), (a80, b3, c2, d6), (a80, b3, c2, d7), (a80, b3, c
2, d8), (a80, b3, c2, d9), (a80, b3, c2, d10), (a80, b3, c2, d11), (a80, b3, c2
,
d12), (a80, b3, c2, d13), (a80, b3, c2, d14), (a80, b3, c2, d15), (a80, b3, c2,
d16), (a80, b3, c2, d17), (a80, b3, c2, d18), (a80, b3, c2, d19), (a80, b3, c2,
d20), (a80, b3, c 2, d21), (a80, b3, c2, d22), (a80, b3, c3, d1), (a80, b3, c3,
d2), (a80, b3, c3, d3), (a80, b3, c3, d4), (a80, b3, c3, d5), (a80, b3, c3, d6)
, (a80, b3, c3, d7), (a80, b3, c3, d8), (a80, b3, c3, d9), (a80, b3, c3, d10), (
a80, b3, c3, d11), (a80, b3, c3, d1 2), (a80, b3, c3, d13), (a80, b3, c3, d14),
(a80, b3, c3, d15), (a80, b3, c3, d16), (a80, b3, c3, d17), (a80, b3, c3, d18),
(a80, b3, c3, d19), (a80, b3, c3, d20), (a80, b3, c3, d21), (a80, b3, c3, d22),
(a80, b4, c1, d1), (a80, b4, c1, d2), (a80, b4, c1, d3), (a80, b4, c1, d4), (a80
, b4, c1, d5), (a80, b4, c1, d6), (a80, b4, c1, d7), (a80, b4, c1, d8), (a80, b4
, c1, d9), (a80, b4, c1, d10), (a80, b4, c1, d11), (a80, b4, c1, d12), (a80, b4,
c1, d13), (a80, b4, c1, d14), (a80, b4, c1, d15), (a80, b4, c1, d16), (a80, b4
, c1, d17), (a80, b4, c1, d18), (a80, b4, c1, d19), (a80, b4, c1, d20), (a80, b4
, c1, d21), (a80, b4, c1, d22), (a80, b4, c2, d1), (a80, b4, c2, d2), (a80, b4,
c2, d3), (a80, b4, c2, d4), (a80, b4, c2, d5), (a80, b4, c2, d6), (a80, b4, c2,
d7), (a80, b4, c2, d8), (a80, b4, c2, d9), (a80, b4, c2, d10), (a80, b4, c2, d11
), (a80, b4, c2, d12), (a80, b4, c2, d13), (a80, b4, c2, d14), (a80, b4, c2, d15
), (a80, b4, c2, d16), (a80, b4, c2, d17), (a80, b4, c2, d18), (a80, b4, c2, d19
), (a80, b4, c2, d20) , (a80, b4, c2, d21), (a80, b4, c2, d22), (a80, b4, c3, d1
), (a80, b4, c3, d2), (a80, b4, c3, d3), (a80, b4, c3, d4), (a80, b4, c3, d5), (
a80, b4, c3, d6), (a80, b4, c3, d7), (a80, b4, c3, d8), (a80, b4, c3, d9), (a80,
b4, c3, d10), (a80, b4, c3, d11), (a8 0, b4, c3, d12), (a80, b4, c3, d13), (a80
, b4, c3, d14), (a80, b4, c3, d15), (a80, b4, c3, d16), (a80, b4, c3, d17), (a80
, b4, c3, d18), (a80, b4, c3, d19), (a80, b4, c3, d20), (a80, b4, c3, d21), (a80
, b4, c3, d22), (a80, b5, c1, d1), (a80, b5, c1, d2), (a80, b5, c1, d3), (a80,
b5, c1, d4), (a80, b5, c1, d5), (a80, b5, c1, d6), (a80, b5, c1, d7), (a80, b5,
c1, d8), (a80, b5, c1, d9), (a80, b5, c1, d10), (a80, b5, c1, d11), (a80, b5, c1
, d12), (a80, b5, c1, d13), (a80, b5, c1, d14), (a80, b5, c1, d15), (a80 , b5, c
1, d16), (a80, b5, c1, d17), (a80, b5, c1, d18), (a80, b5, c1, d19), (a80, b5, c

1, d20), (a80, b5, c1, d21), (a80, b5, c1, d22), (a80, b5, c2, d1), (a80, b5, c2
, d2), (a80, b5, c2, d3), (a80, b5, c2, d4), (a80, b5, c2, d5), (a80, b5, c2, d6
), (a80, b5, c2, d7), (a80, b5, c2, d8), (a80, b5, c2, d9), (a80, b5, c2, d10),
(a80, b5, c2, d11), (a80, b5, c2, d12), (a80, b5, c2, d13), (a80, b5, c2, d14),
(a80, b5, c2, d15), (a80, b5, c2, d16), (a80, b5, c2, d17), (a80, b5, c2, d18),
(a80, b5, c2, d19), (a80, b5, c2, d20), (a80, b5, c2, d21), (a80, b5, c2, d22),
(a80, b5, c3, d1), (a80, b5, c3, d2), (a80, b5, c3, d3), (a80, b5, c3, d4), (a8
0, b5, c3, d5), (a80, b5, c3, d6), (a80, b5, c3, d7), (a80, b5, c3, d8), (a80, b
5, c3, d9), (a80, b5, c3, d10), (a80, b5, c3, d11), (a80, b5, c3, d12), (a80, b5
, c3, d13), (a80, b5, c3, d14), (a80, b5, c3, d15), (a80, b5, c3, d16), (a80, b5
, c3, d17), (a80, b5, c3, d18), (a80, b5, c3, d19), (a80, b5, c3, d20), (a80, b5
, c3, d21), (a80, b5, c3, d22), (a80, b6, c1, d1), (a80, b 6, c1, d2), (a80, b6,
c1, d3), (a80, b6, c1, d4), (a80, b6, c1, d5), (a80, b6, c1, d6), (a80, b6, c1,
d7), (a80, b6, c1, d8), (a80, b6, c1, d9), (a80, b6, c1, d10), (a80, b6, c1, d1
1), (a80, b6, c1, d12), (a80, b6, c1, d13), (a80, b6, c1, d14), (a80, b6, c 1, d
15), (a80, b6, c1, d16), (a80, b6, c1, d17), (a80, b6, c1, d18), (a80, b6, c1, d
19), (a80, b6, c1, d20), (a80, b6, c1, d21), (a80, b6, c1, d22), (a80, b6, c2, d
1), (a80, b6, c2, d2), (a80, b6, c2, d3), (a80, b6, c2, d4), (a80, b6, c2, d5),
(a80, b6, c2 , d6), (a80, b6, c2, d7), (a80, b6, c2, d8), (a80, b6, c2, d9), (a8
0, b6, c2, d10), (a80, b6, c2, d11), (a80, b6, c2, d12), (a80, b6, c2, d13), (a8
0, b6, c2, d14), (a80, b6, c2, d15), (a80, b6, c2, d16), (a80, b6, c2, d17), (a8
0, b6, c2, d18), (a80, b6, c2 , d19), (a80, b6, c2, d20), (a80, b6, c2, d21), (a
80, b6, c2, d22), (a80, b6, c3, d1), (a80, b6, c3, d2), (a80, b6, c3, d3), (a80,
b6, c3, d4), (a80, b6, c3, d5), (a80, b6, c3, d6), (a80, b6, c3, d7), (a80, b6,
c3, d8), (a80, b6, c3, d9), (a80, b6, c3, d10), (a80, b6, c3, d11), (a80, b6,
c3, d12), (a80, b6, c3, d13), (a80, b6, c3, d14), (a80, b6, c3, d15), (a80, b6,
c3, d16), (a80, b6, c3, d17), (a80, b6, c3, d18), (a80, b6, c3, d19), (a80, b6,
c3, d20), (a80, b6, c3, d21), (a80, b6, c3, d22), (a81, b1, c1, d1), (a81, b1,
c1, d2), (a81, b1, c1, d3), (a81, b1, c1, d4), (a81, b1, c1, d5), (a81, b1, c1,
d6), (a81, b1, c1, d7), (a81, b1, c1, d8), (a81, b1, c1, d9), (a81, b1, c1, d10)
, (a81, b1, c1, d11), (a81, b1, c1, d12), (a81, b1, c1, d13), (a81, b1, c1, d14)
, (a81, b1, c1, d15), (a81, b1, c1, d16), (a81, b1, c1, d17), (a81, b1, c1, d18
), (a81, b1, c1, d19), (a81, b1, c1, d20), (a81, b1, c1, d21), (a81, b1, c1, d22
), (a81, b1, c2, d1), (a81, b1, c2, d2), (a81, b1, c2, d3), (a81, b1, c2, d4), (
a81, b1, c2, d5), (a81, b1, c2, d6), (a81, b1, c2, d7), (a81, b1, c2, d8), (a81
, b1, c2, d9), (a81, b1, c2, d10), (a81, b1, c2, d11), (a81, b1, c2, d12), (a81,
b1, c2, d13), (a81, b1, c2, d14), (a81, b1, c2, d15), (a81, b1, c2, d16), (a81,
b1, c2, d17), (a81, b1, c2, d18), (a81, b1, c2, d19), (a81, b1, c2, d20), (a81
, b1, c2, d21), (a81, b1, c2, d22), (a81, b1, c3, d1), (a81, b1, c3, d2), (a81,
b1, c3, d3), (a81, b1, c3, d4), (a81, b1, c3, d5), (a81, b1, c3, d6), (a81, b1,
c3, d7), (a81, b1, c3, d8), (a81, b1, c3, d9), (a81 , b1, c3, d10), (a81, b1, c3
, d11), (a81, b1, c3, d12), (a81, b1, c3, d13), (a81, b1, c3, d14), (a81, b1, c3
, d15), (a81, b1, c3, d16), (a81, b1, c3, d17), (a81, b1, c3, d18), (a81, b1, c3
, d19), (a81, b1, c3, d20), (a81, b1, c3, d21), (a81, b1, c3, d22), (a81, b2, c1
, d1), (a81, b2, c1, d2), (a81, b2, c1, d3), (a81, b2, c1, d4), (a81, b2, c1, d5
), (a81, b2, c1, d6), (a81, b2, c1, d7), (a81, b2, c1, d8), (a81, b2, c1, d9), (
a81, b2, c1, d10), (a81, b2, c1, d11), (a81, b2, c1, d12), (a81, b2, c1, d13), (
a81, b2, c1, d14), (a81, b2, c1, d15), (a81, b2, c1, d16), (a81, b2, c1, d17),
(a81, b2, c1, d18), (a81, b2, c1, d19), (a81, b2, c1, d20), (a81, b2, c1, d21),
(a81, b2, c1, d22), (a81, b2, c2, d1), (a81, b2, c2, d2), (a81, b2, c2, d3), (a8

1, b2, c2, d4), (a81, b2, c2, d5), (a81, b2, c2, d6), (a81, b2, c2, d7), (a81, b2, c2, d8), (a81, b2, c2, d9), (a81, b2, c2, d10), (a81, b2, c2, d11), (a81, b2, c2, d12), (a81, b2, c2, d13), (a81, b2, c2, d14), (a81, b2, c2, d15), (a81, b2, c2, d16), (a81, b2, c2, d17), (a81, b2, c2, d18), (a81, b2, c2, d19), (a81, b2, c2, d20), (a81, b2, c2, d21), (a81, b2, c2, d22), (a81, b2, c3, d1), (a81, b2, c3, d2), (a81, b2, c3, d3), (a81, b2, c3, d4), (a81, b2, c3, d5), (a81, b2, c3, d6), (a81, b2, c3, d7), (a81, b2, c3, d8), (a81, b2, c3, d9), (a81, b2, c3, d10), (a81, b2, c3, d11), (a81, b2, c3, d12), (a81, b2, c3, d13), (a81, b2, c3, d14), (a81, b2, c3, d15), (a81, b2, c3, d16), (a81, b2, c3, d17), (a81, b2, c3, d18), (a81, b2, c3, d19), (a81, b2, c3, d20), (a81, b2, c3, d21), (a81, b 2, c3, d22), (a81, b3, c1, d1), (a81, b3, c1, d2), (a81, b3, c1, d3), (a81, b3, c1, d4), (a81, b3, c1, d5), (a81, b3, c1, d6), (a81, b3, c1, d7), (a81, b3, c1, d8), (a81, b3, c1, d9), (a81, b3, c1, d10), (a81, b3, c1, d11), (a81, b3, c1, d12), (a81, b3, c1 , d13), (a81, b3, c1, d14), (a81, b3, c1, d15), (a81, b3, c1, d16), (a81, b3, c1, d17), (a81, b3, c1, d18), (a81, b3, c1, d19), (a81, b3, c1, d20), (a81, b3, c1, d21), (a81, b3, c1, d22), (a81, b3, c2, d1), (a81, b3, c2, d2), (a81, b3, c2, d3), (a81, b3, c 2, d4), (a81, b3, c2, d5), (a81, b3, c2, d6), (a81, b3, c2, d7), (a81, b3, c2, d8), (a81, b3, c2, d9), (a81, b3, c2, d10), (a81, b3, c2, d11), (a81, b3, c2, d12), (a81, b3, c2, d13), (a81, b3, c2, d14), (a81, b3, c2, d15), (a81, b3, c2, d16), (a81, b3, c2, d17), (a81, b3, c2, d18), (a81, b3, c 2, d19), (a81, b3, c2, d20), (a81, b3, c2, d21), (a81, b3, c2, d22), (a81, b3, c 3, d1), (a81, b3, c3, d2), (a81, b3, c3, d3), (a81, b3, c3, d4), (a81, b3, c3, d 5), (a81, b3, c3, d6), (a81, b3, c3, d7), (a81, b3, c3, d8), (a81, b3, c3, d9), (a81, b3, c3, d10), (a81, b3, c3, d11), (a81, b3, c3, d12), (a81, b3, c3, d13), (a81, b3, c3, d14), (a81, b3, c3, d15), (a81, b3, c3, d16), (a81, b3, c3, d17), (a81, b3, c3, d18), (a81, b3, c3, d19), (a81, b3, c3, d20), (a81, b3, c3, d21), (a81, b3, c3, d22), (a81, b4, c1, d1), (a81, b4, c1, d2), (a81, b4, c1, d3), (a 81, b4, c1, d4), (a81, b4, c1, d5), (a81, b4, c1, d6), (a81, b4, c1, d7), (a81, b4, c1, d8), (a81, b4, c1, d9), (a81, b4, c1, d10), (a81, b4, c1, d11), (a81, b4 , c1, d12), (a81, b4, c1, d13), (a81, b4, c1, d14), (a81, b4, c1, d15), (a81, b 4, c1, d16), (a81, b4, c1, d17), (a81, b4, c1, d18), (a81, b4, c1, d19), (a81, b 4, c1, d20), (a81, b4, c1, d21), (a81, b4, c1, d22), (a81, b4, c2, d1), (a81, b4 , c2, d2), (a81, b4, c2, d3) , (a81, b4, c2, d4), (a81, b4, c2, d5), (a81, b4, c 2, d6), (a81, b4, c2, d7), (a81, b4, c2, d8), (a81, b4, c2, d9), (a81, b4, c2, d 10), (a81, b4, c2, d11), (a81, b4, c2, d12), (a81, b4, c2, d13), (a81, b4, c2, d 14), (a81, b4, c2, d15), (a81, b4, c2, d16), (a81, b4, c2, d17), (a81, b4, c2, d 18), (a81, b4, c2, d19), (a81, b4, c2, d20), (a81, b4, c2, d21), (a81, b4, c2, d 22), (a81, b4, c3, d1), (a81, b4, c3, d2), (a81, b4, c3, d3), (a81, b4, c3, d4), (a81, b4, c3, d5), (a81, b4, c3, d6), (a81, b4, c3, d7), (a8 1, b4, c3, d8), (a 81, b4, c3, d9), (a81, b4, c3, d10), (a81, b4, c3, d11), (a81, b4, c3, d12), (a8 1, b4, c3, d13), (a81, b4, c3, d14), (a81, b4, c3, d15), (a81, b4, c3, d16), (a8 1, b4, c3, d17), (a81, b4, c3, d18), (a81, b4, c3, d19), (a81, b4, c3, d20), (a 81, b4, c3, d21), (a81, b4, c3, d22), (a81, b5, c1, d1), (a81, b5, c1, d2), (a81 , b5, c1, d3), (a81, b5, c1, d4), (a81, b5, c1, d5), (a81, b5, c1, d6), (a81, b5 , c1, d7), (a81, b5, c1, d8), (a81, b5, c1, d9), (a81, b5, c1, d10), (a81, b5, c 1, d11), (a81, b5, c1, d12), (a81, b5, c1, d13), (a81, b5, c1, d14), (a81, b5, c 1, d15), (a81, b5, c1, d16), (a81, b5, c1, d17), (a81, b5, c1, d18), (a81, b5, c 1, d19), (a81, b5, c1, d20), (a81, b5, c1, d21), (a81, b5, c1, d22), (a81, b5, c 2, d1), (a81, b5, c2, d2), (a81 , b5, c2, d3), (a81, b5, c2, d4), (a81, b5, c2, d

50

5), (a81, b5, c2, d6), (a81, b5, c2, d7), (a81, b5, c2, d8), (a81, b5, c2, d9), (a81, b5, c2, d10), (a81, b5, c2, d11), (a81, b5, c2, d12), (a81, b5, c2, d13), (a81, b5, c2, d14), (a81, b5, c2, d15), (a81, b 5, c2, d16), (a81, b5, c2, d17), (a81, b5, c2, d18), (a81, b5, c2, d19), (a81, b5, c2, d20), (a81, b5, c2, d21), (a81, b5, c2, d22), (a81, b5, c3, d1), (a81, b5, c3, d2), (a81, b5, c3, d3), (a81, b5, c3, d4), (a81, b5, c3, d5), (a81, b5, c3, d6), (a81, b5, c3, d7), (a81, b5, c3, d8), (a81, b5, c3, d9), (a81, b5, c3, d10), (a81, b5, c3, d11), (a81, b5, c3, d12), (a81, b5, c3, d13), (a81, b5, c3, d14), (a81, b5, c3, d15), (a81, b5, c3, d16), (a81, b5, c3, d17), (a81, b5, c3, d18), (a81, b5, c3, d19), (a81, b5 , c3, d20), (a81, b5, c3, d21), (a81, b5, c3, d22), (a81, b6, c1, d1), (a81, b6, c1, d2), (a81, b6, c1, d3), (a81, b6, c1, d4), (a81, b6, c1, d5), (a81, b6, c1, d6), (a81, b6, c1, d7), (a81, b6, c1, d8), (a81, b6, c1, d9), (a81, b6, c1, d10), (a81, b6, c1, d11), (a81, b6, c1, d12), (a81, b6, c1, d13), (a81, b6, c1, d14), (a81, b6, c1, d15), (a81, b6, c1, d16), (a81, b6, c1, d17), (a81, b6, c1, d18), (a81, b6, c1, d19), (a81, b6, c1, d20), (a81, b6, c1, d21), (a81, b6, c1, d22), (a81, b6, c2, d1), (a81, b6, c2, d2), (a81, b6, c2, d3), (a81, b6, c2, d4), (a81, b6, c2, d5), (a81, b6, c2, d6), (a81, b6, c2, d7), (a81, b6, c2, d8), (a81, b6, c2, d9), (a81, b6, c2, d10), (a81, b6, c2, d11), (a81, b6, c2, d12), (a81, b6, c2, d13), (a81, b6, c2, d14), (a81, b6, c2, d15), (a81, b6, c2, d16), (a81, b6, c2, d17), (a81, b6, c2, d18), (a81, b6, c2, d19), (a81, b6, c2, d20), (a81, b6, c2, d21), (a81, b6, c2, d22), (a81, b6, c3, d1), (a81, b6, c3, d2), (a81, b6, c3, d3), (a81, b6, c3, d4), (a81, b6, c3, d5), (a81, b6, c3, d 6), (a81, b6, c3, d7), (a81, b6, c3, d8), (a81, b6, c3, d9), (a81, b6, c3, d10), (a81, b6, c3, d11), (a81, b6, c3, d12), (a81, b6, c3, d13), (a81, b6, c3, d14), (a81, b6, c3, d15), (a81, b6, c3, d16), (a81, b6, c3, d17), (a81, b6, c3, d18), (a81, b6, c3, d 19), (a81, b6, c3, d20), (a81, b6, c3, d21), (a81, b6, c3, d22), (a82, b1, c1, d1), (a82, b1, c1, d2), (a82, b1, c1, d3), (a82, b1, c1, d4), (a82, b1, c1, d5), (a82, b1, c1, d6), (a82, b1, c1, d7), (a82, b1, c1, d8), (a82, b1, c1, d9), (a82, b1, c1, d10), (a82, b1, c1, d11), (a82, b1, c1, d12), (a82, b1, c1, d13), (a82, b1, c1, d14), (a82, b1, c1, d15), (a82, b1, c1, d16), (a82, b1, c1, d17), (a82, b1, c1, d18), (a82, b1, c1, d19), (a82, b1, c1, d20), (a82, b1, c1, d21), (a82, b1, c1, d22), (a82, b1, c2, d1), (a82, b1, c2, d2), (a82, b1, c2, d3), (a82, b1, c2, d4), (a82, b1, c2, d5), (a82, b1, c2, d6), (a82, b1, c2, d7), (a82, b1, c2, d8), (a82, b1, c2, d9), (a82, b1, c2, d10), (a82, b1, c2, d11), (a82, b1, c2, d12), (a82, b1, c2, d13), (a82, b1, c2, d14), (a82, b1, c2, d15), (a82, b1, c2, d16), (a82, b1, c2, d17), (a82, b1, c2, d18), (a82, b1, c2, d19), (a82, b1, c2, d20), (a82, b1, c2, d21), (a82, b1, c2, d22), (a82, b1, c3, d1), (a82, b1, c3, d2), (a82, b1, c3, d3), (a82, b1, c3, d4), (a82, b1, c3, d5), (a 82, b1, c3, d6), (a82, b1, c3, d7), (a82, b1, c3, d8), (a82, b1, c3, d9), (a82, b1, c3, d10), (a82, b1, c3, d11), (a82, b1, c3, d12), (a82, b1, c3, d13), (a82, b1, c3, d14), (a82, b1, c3, d15), (a82, b1, c3, d16), (a82, b1, c3, d17), (a82, b1, c3, d18), (a 82, b1, c3, d19), (a82, b1, c3, d20), (a82, b1, c3, d21), (a82, b1, c3, d22), (a82, b2, c1, d1), (a82, b2, c1, d2), (a82, b2, c1, d3), (a82, b2, c1, d4), (a82, b2, c1, d5), (a82, b2, c1, d6), (a82, b2, c1, d7), (a82, b2, c1, d8), (a82, b2, c1, d9), (a82, b 2, c1, d10), (a82, b2, c1, d11), (a82, b2, c1, d12), (a82, b2, c1, d13), (a82, b2, c1, d14), (a82, b2, c1, d15), (a82, b2, c1, d16), (a82, b2, c1, d17), (a82, b2, c1, d18), (a82, b2, c1, d19), (a82, b2, c1, d20), (a82, b2, c1, d21), (a82, b2, c1, d22), (a8 2, b2, c2, d1), (a82, b2, c2, d2), (a82, b2, c2, d3), (a82, b2, c2, d4), (a82, b2, c2, d5), (a82, b2, c2, d6), (a82, b2, c2, d7), (a82, b2, c2, d8), (a82, b2, c2, d9), (a82, b2, c2, d10), (a82, b2,

c2, d11), (a82, b2, c2, d12), (a82, b2, c2, d13), (a82, b2 , c2, d14), (a82, b2 , c2, d15), (a82, b2, c2, d16), (a82, b2, c2, d17), (a82, b2, c2, d18), (a82, b2 , c2, d19), (a82, b2, c2, d20), (a82, b2, c2, d21), (a82, b2, c2, d22), (a82, b2 , c3, d1), (a82, b2, c3, d2), (a82, b2, c3, d3), (a82, b2, c3, d4), (a82, b2 , c 3, d5), (a82, b2, c3, d6), (a82, b2, c3, d7), (a82, b2, c3, d8), (a82, b2, c3, d 9), (a82, b2, c3, d10), (a82, b2, c3, d11), (a82, b2, c3, d12), (a82, b2, c3, d1 3), (a82, b2, c3, d14), (a82, b2, c3, d15), (a82, b2, c3, d16), (a82, b2, c3, d1 7), (a82, b2, c3, d18), (a82, b2, c3, d19), (a82, b2, c3, d20), (a82, b2, c3, d 21), (a82, b2, c3, d22), (a82, b3, c1, d1), (a82, b3, c1, d2), (a82, b3, c1, d3) , (a82, b3, c1, d4), (a82, b3, c1, d5), (a82, b3, c1, d6), (a82, b3, c1, d7), (a 82, b3, c1, d8), (a82, b3, c1, d9), (a82, b3, c1, d10), (a82, b3, c1, d11), (a8 2, b3, c1, d12), (a82, b3, c1, d13), (a82, b3, c1, d14), (a82, b3, c1, d15), (a8 2, b3, c1, d16), (a82, b3, c1, d17), (a82, b3, c1, d18), (a82, b3, c1, d19), (a8 2, b3, c1, d20), (a82, b3, c1, d21), (a82, b3, c1, d22), (a82, b3, c2, d1), (a82 , b3, c2, d2), (a82, b3, c2, d3), (a82, b3, c2, d4), (a82, b3, c2, d5), (a82, b3 , c2, d6), (a82, b3, c2, d7), (a82, b3, c2, d8), (a82, b3, c2, d9), (a82, b3, c2 , d10), (a82, b3, c2, d11), (a82, b3, c2, d12), (a82, b3, c2, d 13), (a82, b3, c 2, d14), (a82, b3, c2, d15), (a82, b3, c2, d16), (a82, b3, c2, d17), (a82, b3, c 2, d18), (a82, b3, c2, d19), (a82, b3, c2, d20), (a82, b3, c2, d21), (a82, b3, c 2, d22), (a82, b3, c3, d1), (a82, b3, c3, d2), (a82, b3, c3, d3), (a82, b3, c3, d4), (a82, b3, c3, d5), (a82, b3, c3, d6), (a82, b3, c3, d7), (a82, b3, c3, d8), (a82, b3, c3, d9), (a82, b3, c3, d10), (a82, b3, c3, d11), (a82, b3, c3, d12), (a82, b3, c3, d13), (a82, b3, c3, d14), (a82, b3, c3, d15), (a82, b3, c3, d16), (a82, b3, c3, d1 7), (a82, b3, c3, d18), (a82, b3, c3, d19), (a82, b3, c3, d20), (a82, b3, c3, d21), (a82, b3, c3, d22), (a82, b4, c1, d1), (a82, b4, c1, d2), (a82, b4, c1, d3), (a82, b4, c1, d4), (a82, b4, c1, d5), (a82, b4, c1, d6), (a82, b4, c1, d7), (a82, b4, c1, d8), (a82, b4, c1, d9), (a82, b4, c1, d10), (a82, b4 , c1, d11), (a82, b4, c1, d12), (a82, b4, c1, d13), (a82, b4, c1, d14), (a82, b4 , c1, d15), (a82, b4, c1, d16), (a82, b4, c1, d17), (a82, b4, c1, d18), (a82, b4 , c1, d19), (a82, b4, c1, d20), (a82, b4, c1, d21), (a82, b4, c1, d22), (a82, b 4, c2, d1), (a82, b4, c2, d2), (a82, b4, c2, d3), (a82, b4, c2, d4), (a82, b4, c 2, d5), (a82, b4, c2, d6), (a82, b4, c2, d7), (a82, b4, c2, d8), (a82, b4, c2, d 9), (a82, b4, c2, d10), (a82, b4, c2, d11), (a82, b4, c2, d12), (a 82, b4, c2, d 13), (a82, b4, c2, d14), (a82, b4, c2, d15), (a82, b4, c2, d16), (a82, b4, c2, d 17), (a82, b4, c2, d18), (a82, b4, c2, d19), (a82, b4, c2, d20), (a82, b4, c2, d 21), (a82, b4, c2, d22), (a82, b4, c3, d1), (a82, b4, c3, d2), (a82, b4, c3, d3) , (a82, b4, c3, d4), (a82, b4, c3, d5), (a82, b4, c3, d6), (a82, b4, c3, d7), (a82, b4, c3, d8), (a82, b4, c3, d9), (a82, b4, c3, d10), (a82, b4, c3, d11), (a8 2, b4, c3, d12), (a82, b4, c3, d13), (a82, b4, c3, d14), (a82, b4, c3, d15), (a8 2, b4, c3, d16), (a8 2, b4, c3, d17), (a82, b4, c3, d18), (a82, b4, c3, d19), (a 82, b4, c3, d20), (a82, b4, c3, d21), (a82, b4, c3, d22), (a82, b5, c1, d1), (a8 2, b5, c1, d2), (a82, b5, c1, d3), (a82, b5, c1, d4), (a82, b5, c1, d5), (a82, b 5, c1, d6), (a82, b5, c1, d7), (a82, b5, c1, d8), (a82, b5, c1, d9), (a82, b5, c 1, d10), (a82, b5, c1, d11), (a82, b5, c1, d12), (a82, b5, c1, d13), (a82, b5, c 1, d14), (a82, b5, c1, d15), (a82, b5, c1, d16), (a82, b5, c1, d17), (a82, b5, c 1, d18), (a82, b5, c1, d19), (a82, b5, c1, d20), (a82 , b5, c1, d21), (a82, b5, c1, d22), (a82, b5, c2, d1), (a82, b5, c2, d2), (a82, b5, c2, d3), (a82, b5, c2, d4), (a82, b5, c2, d5), (a82, b5, c2, d6), (a82, b5, c2, d7), (a82, b5, c2, d8) , (a82, b5, c2, d9), (a82, b5, c2, d10), (a82, b5, c2, d11), (a82, b5, c2, d12) , (a82, b5, c2, d13), (a82, b5, c2, d14), (a82, b5, c2, d15), (a82, b5, c2, d16)

, (a82, b5, c2, d17), (a82, b5, c2, d18), (a82, b5, c2, d19), (a82, b5, c2, d20)
, (a82, b5, c2, d21), (a82, b5, c2, d22), (a82, b5, c3, d1), (a82, b5, c3, d2),
(a82, b 5, c3, d3), (a82, b5, c3, d4), (a82, b5, c3, d5), (a82, b5, c3, d6), (a8
2, b5, c3, d7), (a82, b5, c3, d8), (a82, b5, c3, d9), (a82, b5, c3, d10), (a82,
b5, c3, d11), (a82, b5, c3, d12), (a82, b5, c3, d13), (a82, b5, c3, d14), (a82,
b5, c3, d15), (a82, b5, c3, d16), (a82, b5, c3, d17), (a82, b5, c3, d18), (a82,
b5, c3, d19), (a82, b5, c3, d20), (a82, b5, c3, d21), (a82, b5, c3, d22), (a82,
b6, c1, d1), (a82, b6, c1, d2), (a82, b6, c1, d3), (a82, b6, c1, d4), (a82, b6,
c1, d5), (a82, b6, c1, d6), (a82, b6, c1 , d7), (a82, b6, c1, d8), (a82, b6, c1,
d9), (a82, b6, c1, d10), (a82, b6, c1, d11), (a82, b6, c1, d12), (a82, b6, c1,
d13), (a82, b6, c1, d14), (a82, b6, c1, d15), (a82, b6, c1, d16), (a82, b6, c1,
d17), (a82, b6, c1, d18), (a82, b6, c1, d19), (a82, b6, c 1, d20), (a82, b6, c1,
d21), (a82, b6, c1, d22), (a82, b6, c2, d1), (a82, b6, c2, d2), (a82, b6, c2, d
3), (a82, b6, c2, d4), (a82, b6, c2, d5), (a82, b6, c2, d6), (a82, b6, c2, d7),
(a82, b6, c2, d8), (a82, b6, c2, d9), (a82, b6, c2, d10), (a82, b6, c2, d1 1), (
a82, b6, c2, d12), (a82, b6, c2, d13), (a82, b6, c2, d14), (a82, b6, c2, d15), (
a82, b6, c2, d16), (a82, b6, c2, d17), (a82, b6, c2, d18), (a82, b6, c2, d19), (
a82, b6, c2, d20), (a82, b6, c2, d21), (a82, b6, c2, d22), (a82, b6, c3, d1), (a
82, b6, c3, d2), (a82, b6, c3, d3), (a82, b6, c3, d4), (a82, b6, c3, d5), (a82,
b6, c3, d6), (a82, b6, c3, d7), (a82, b6, c3, d8), (a82, b6, c3, d9), (a82, b6,
c3, d10), (a82, b6, c3, d11), (a82, b6, c3, d12), (a82, b6, c3, d13), (a82, b6,
c3, d14), (a82, b6, c3, d15), (a82, b6, c3, d16), (a82, b6, c3, d17), (a82, b6
, c3, d18), (a82, b6, c3, d19), (a82, b6, c3, d20), (a82, b6, c3, d21), (a82, b6
, c3, d22), (a83, b1, c1, d1), (a83, b1, c1, d2), (a83, b1, c1, d3), (a83, b1, c
1, d4), (a83, b1, c1, d5), (a83, b1, c1, d6), (a83, b1, c1, d7), (a83, b1, c1,
d8), (a83, b1, c1, d9), (a83, b1, c1, d10), (a83, b1, c1, d11), (a83, b1, c1, d1
2), (a83, b1, c1, d13), (a83, b1, c1, d14), (a83, b1, c1, d15), (a83, b1, c1, d1
6), (a83, b1, c1, d17), (a83, b1, c1, d18), (a83, b1, c1, d19) , (a83, b1, c1, d
2
0), (a83, b1, c1, d21), (a83, b1, c1, d22), (a83, b1, c2, d1), (a83, b1, c2, d2)
, (a83, b1, c2, d3), (a83, b1, c2, d4), (a83, b1, c2, d5), (a83, b1, c2, d6), (a
83, b1, c2, d7), (a83, b1, c2, d8), (a83, b1, c2, d9), (a83, b1, c2, d10), (a8 3
, b1, c2, d11), (a83, b1, c2, d12), (a83, b1, c2, d13), (a83, b1, c2, d14), (a83
, b1, c2, d15), (a83, b1, c2, d16), (a83, b1, c2, d17), (a83, b1, c2, d18), (a83
, b1, c2, d19), (a83, b1, c2, d20), (a83, b1, c2, d21), (a83, b1, c2, d22), (a83
, b1, c3, d1), (a83, b1, c3, d2), (a83, b1, c3, d3), (a83, b1, c3, d4), (a83, b1
, c3, d5), (a83, b1, c3, d6), (a83, b1, c3, d7), (a83, b1, c3, d8), (a83, b1, c3
, d9), (a83, b1, c3, d10), (a83, b1, c3, d11), (a83, b1, c3, d12), (a83, b1, c3,
d13), (a83, b1, c3, d14), (a83 , b1, c3, d15), (a83, b1, c3, d16), (a83, b1, c3
, d17), (a83, b1, c3, d18), (a83, b1, c3, d19), (a83, b1, c3, d20), (a83, b1, c3
, d21), (a83, b1, c3, d22), (a83, b2, c1, d1), (a83, b2, c1, d2), (a83, b2, c1,
d3), (a83, b2, c1, d4), (a83, b2, c1, d5), (a83, b2, c1, d6), (a83, b2, c1, d7)
, (a83, b2, c1, d8), (a83, b2, c1, d9), (a83, b2, c1, d10), (a83, b2, c1, d11),
(a83, b2, c1, d12), (a83, b2, c1, d13), (a83, b2, c1, d14), (a83, b2, c1, d15),
(a83, b2, c1, d16), (a83, b2, c1, d17), (a83, b2, c1, d18), (a83, b2, c1, d19),
(a83, b2, c1, d20), (a83, b2, c1, d21), (a83, b2, c1, d22), (a83, b2, c2, d1),
(a83, b2, c2, d2), (a83, b2, c2, d3), (a83, b2, c2, d4), (a83, b2, c2, d5), (a83
, b2, c2, d6), (a83, b2, c2, d7), (a83, b2, c2, d8), (a83, b2, c2, d9), (a83, b2
, c2, d10), (a83, b2, c2, d11), (a83, b2, c2, d12), (a83, b2, c2, d13), (a83, b2
, c2, d14), (a83, b2, c2, d15), (a83, b2, c2, d16), (a83, b2, c2, d17), (a83, b2

, c2, d18), (a83, b2, c2, d19), (a83, b2, c2, d20), (a83, b2, c2, d21), (a83, b2
, c2, d22), (a83, b2, c3, d1), (a83, b2, c3, d2), (a83, b2, c3, d3), (a83, b2, c
3, d4), (a83, b2, c3, d5), (a83, b2, c3, d6), (a83, b2, c3, d7), (a83, b2, c3, d
8), (a83, b2, c3, d9), (a83, b2, c3, d10), (a83, b2, c3, d11), (a83, b2, c3, d12
), (a83, b2, c3, d13), (a83, b2, c 3, d14), (a83, b2, c3, d15), (a83, b2, c3, d1
6), (a83, b2, c3, d17), (a83, b2, c3, d18), (a83, b2, c3, d19), (a83, b2, c3, d2
0), (a83, b2, c3, d21), (a83, b2, c3, d22), (a83, b3, c1, d1), (a83, b3, c1, d2)
, (a83, b3, c1, d3), (a83, b3, c1, d4), (a83, b3, c 1, d5), (a83, b3, c1, d6), (
a83, b3, c1, d7), (a83, b3, c1, d8), (a83, b3, c1, d9), (a83, b3, c1, d10), (a83
, b3, c1, d11), (a83, b3, c1, d12), (a83, b3, c1, d13), (a83, b3, c1, d14), (a83
, b3, c1, d15), (a83, b3, c1, d16), (a83, b3, c1, d17), (a83, b3, c1 , d18), (a8
3, b3, c1, d19), (a83, b3, c1, d20), (a83, b3, c1, d21), (a83, b3, c1, d22), (a8
3, b3, c2, d1), (a83, b3, c2, d2), (a83, b3, c2, d3), (a83, b3, c2, d4), (a83, b
3, c2, d5), (a83, b3, c2, d6), (a83, b3, c2, d7), (a83, b3, c2, d8), (a83, b3, c
2, d9), (a83, b3, c2, d10), (a83, b3, c2, d11), (a83, b3, c2, d12), (a83, b3, c
2, d13), (a83, b3, c2, d14), (a83, b3, c2, d15), (a83, b3, c2, d16), (a83, b3, c
2, d17), (a83, b3, c2, d18), (a83, b3, c2, d19), (a83, b3, c2, d20), (a83, b3, c
2, d21), (a83, b3, c2, d22), (a83, b3, c3, d1), (a83, b3, c3, d2), (a83, b3, c3
, d3), (a83, b3, c3, d4), (a83, b3, c3, d5), (a83, b3, c3, d6), (a83, b3, c3, d7
), (a83, b3, c3, d8), (a83, b3, c3, d9), (a83, b3, c3, d10), (a83, b3, c3, d11),
(a83, b3, c3, d12), (a83, b3, c3, d13) , (a83, b3, c3, d14), (a83, b3, c3, d15)
, (a83, b3, c3, d16), (a83, b3, c3, d17), (a83, b3, c3, d18), (a83, b3, c3, d19)
, (a83, b3, c3, d20), (a83, b3, c3, d21), (a83, b3, c3, d22), (a83, b4, c1, d1),
(a83, b4, c1, d2), (a83, b4, c1, d3), (a83, b4, c1, d4) , (a83, b4, c1, d5), (a
83, b4, c1, d6), (a83, b4, c1, d7), (a83, b4, c1, d8), (a83, b4, c1, d9), (a83,
b4, c1, d10), (a83, b4, c1, d11), (a83, b4, c1, d12), (a83, b4, c1, d13), (a83,
b4, c1, d14), (a83, b4, c1, d15), (a83, b4, c1, d16), (a83, b4, c1, d17), (a83,
b4, c1, d18), (a83, b4, c1, d19), (a83, b4, c1, d20), (a83, b4, c1, d21), (a83,
b4, c1, d22), (a83, b4, c2, d1), (a83, b4, c2, d2), (a83, b4, c2, d3), (a83, b4
, c2, d4), (a83, b4, c2, d5), (a83, b4, c2, d6), (a83, b4, c2, d7), (a83, b4, c2
, d8), (a8 3, b4, c2, d9), (a83, b4, c2, d10), (a83, b4, c2, d11), (a83, b4, c2,
d12), (a83, b4, c2, d13), (a83, b4, c2, d14), (a83, b4, c2, d15), (a83, b4, c2,
d16), (a83, b4, c2, d17), (a83, b4, c2, d18), (a83, b4, c2, d19), (a83, b4, c2,
d20), (a83, b4, c2, d21), (a83, b4, c2, d22), (a83, b4, c3, d1), (a83, b4, c3,
d2), (a83, b4, c3, d3), (a83, b4, c3, d4), (a83, b4, c3, d5), (a83, b4, c3, d6),
(a83, b4, c3, d7), (a83, b4, c3, d8), (a83, b4, c3, d9), (a83, b4, c3, d10), (a
83, b4, c3, d11), (a83, b4, c3, d12), (a83, b4, c3, d13), (a83, b4, c3, d14), (
a83, b4, c3, d15), (a83, b4, c3, d16), (a83, b4, c3, d17), (a83, b4, c3, d18), (
a83, b4, c3, d19), (a83, b4, c3, d20), (a83, b4, c3, d21), (a83, b4, c3, d22), (
a83, b5, c1, d1), (a83, b5, c1, d2), (a83, b5, c1, d3), (a83 , b5, c1, d4), (a83
, b5, c1, d5), (a83, b5, c1, d6), (a83, b5, c1, d7), (a83, b5, c1, d8), (a83, b5
, c1, d9), (a83, b5, c1, d10), (a83, b5, c1, d11), (a83, b5, c1, d12), (a83, b5,
c1, d13), (a83, b5, c1, d14), (a83, b5, c1, d15), (a83, b5, c1, d16), (a83, b5,
c1, d17), (a83, b5, c1, d18), (a83, b5, c1, d19), (a83, b5, c1, d20), (a83, b5,
c1, d21), (a83, b5, c1, d22), (a83, b5, c2, d1), (a83, b5, c2, d2), (a83, b5, c
2, d3), (a83, b5, c2, d4), (a83, b5, c2, d5), (a83, b5, c2, d6), (a83, b5, c2, d
7), (a83, b5, c2, d8), (a83, b5, c2, d9), (a83, b5, c2, d10), (a83, b5, c2, d11
), (a83, b5, c2, d12), (a83, b5, c2, d13), (a83, b5, c2, d14), (a83, b5, c2, d15
), (a83, b5, c2, d16), (a83, b5, c2, d17), (a83, b5, c2, d18), (a83, b5, c2, d19
), (a83, b5, c2, d20), (a83, b 5, c2, d21), (a83, b5, c2, d22), (a83, b5, c3, d1

), (a83, b5, c3, d2), (a83, b5, c3, d3), (a83, b5, c3, d4), (a83, b5, c3, d5), (a83, b5, c3, d6), (a83, b5, c3, d7), (a83, b5, c3, d8), (a83, b5, c3, d9), (a83, b5, c3, d10), (a83, b5, c3, d11), (a83, b5, c3 , d12), (a83, b5, c3, d13), (a83 , b5, c3, d14), (a83, b5, c3, d15), (a83, b5, c3, d16), (a83, b5, c3, d17), (a83 , b5, c3, d18), (a83, b5, c3, d19), (a83, b5, c3, d20), (a83, b5, c3, d21), (a83 , b5, c3, d22), (a83, b6, c1, d1), (a83, b6, c1, d2), (a83, b6, c1, d3), (a83, b 6, c1, d4), (a83, b6, c1, d5), (a83, b6, c1, d6), (a83, b6, c1, d7), (a83, b6, c 1, d8), (a83, b6, c1, d9), (a83, b6, c1, d10), (a83, b6, c1, d11), (a83, b6, c1, d12), (a83, b6, c1, d13), (a83, b6, c1, d14), (a83, b6, c1, d15), (a83, b6, c1, d16), (a83, b6, c1, d17), (a83, b6, c1, d18), (a83, b6, c1, d19), (a83, b6, c1 , d20), (a83, b6, c1, d21), (a83, b6, c1, d22), (a83, b6, c2, d1), (a83, b6, c2, d2), (a83, b6, c2, d3), (a83, b6, c2, d4), (a83, b6, c2, d5), (a83, b6, c2, d6) , (a83, b6, c2, d 7), (a83, b6, c2, d8), (a83, b6, c2, d9), (a83, b6, c2, d10), (a83, b6, c2, d11), (a83, b6, c2, d12), (a83, b6, c2, d13), (a83, b6, c2, d14), (a83, b6, c2, d15), (a83, b6, c2, d16), (a83, b6, c2, d17), (a83, b6, c2, d18), (a83, b6, c2, d19), (a83, b6, c2, d20), (a83, b6, c2, d21), (a83, b6, c2, d22), (a83, b6, c3, d1), (a83, b6, c3, d2), (a83, b6, c3, d3), (a83, b6, c3, d4), (a83 , b6, c3, d5), (a83, b6, c3, d6), (a83, b6, c3, d7), (a83, b6, c3, d8), (a83, b6 , c3, d9), (a83, b6, c3, d10), (a83, b6, c3, d11), (a83, b6, c3, d12), (a83, b6 , c3, d13), (a83, b6, c3, d14), (a83, b6, c3, d15), (a83, b6, c3, d16), (a83, b6 , c3, d17), (a83, b6, c3, d18), (a83, b6, c3, d19), (a83, b6, c3, d20), (a83, b6 , c3, d21), (a83, b6, c3, d22), (a84, b1, c1, d1), (a84, b1, c1, d2), (a84, b1, c1, d3), (a84, b1, c1, d4), (a84, b1, c1, d5), (a84, b1, c1, d6), (a84, b1, c1, d7), (a84, b1, c1, d8), (a84, b1, c1, d9), (a84, b1, c1, d10), (a84, b1, c1, d1 1), (a84, b1, c1, d12), (a84, b1, c1, d13), (a84, b1, c1, d14), (a84, b1, c1, d1 5), (a84, b1, c1, d16), (a84, b1, c1, d17), (a84, b1, c1, d18), (a84, b1, c1, d1 9), (a84, b1, c1, d20), (a84, b1, c1, d21), (a84, b1, c1, d22), (a84, b1, c2, d1), (a84, b1, c2, d2), (a84, b1, c2, d3), (a84, b1, c2, d4), (a84, b1, c2, d5), (a84, b1, c2, d6), (a 84, b1, c2, d7), (a84, b1, c2, d8), (a84, b1, c2, d9), (a84 , b1, c2, d10), (a84, b1, c2, d11), (a84, b1, c2, d12), (a84, b1, c2, d13), (a84 , b1, c2, d14), (a84, b1, c2, d15), (a84, b1, c2, d16), (a84, b1, c2, d17), (a84 , b1, c2, d18), (a84, b1, c2, d19), (a84, b1, c2, d20), (a84, b1, c2, d21), (a8 4, b1, c2, d22), (a84, b1, c3, d1), (a84, b1, c3, d2), (a84, b1, c3, d3), (a84, b1, c3, d4), (a84, b1, c3, d5), (a84, b1, c3, d6), (a84, b1, c3, d7), (a84, b1, c3, d8), (a84, b1, c3, d9), (a84, b1, c3, d10), (a84, b1, c3, d11), (a84, b1, c3 , d12), (a84, b1, c3, d13), (a84, b1, c3, d14), (a84, b1, c3, d15), (a84, b1, c3 , d16), (a84, b1, c3, d17), (a84, b1, c3, d18), (a84, b1, c3, d19), (a84, b1, c3 , d20), (a84, b1, c3, d21), (a84, b1, c3, d22), (a84, b2, c1, d1), (a8 4, b2, c1 , d2), (a84, b2, c1, d3), (a84, b2, c1, d4), (a84, b2, c1, d5), (a84, b2, c1, d6), (a84, b2, c1, d7), (a84, b2, c1, d8), (a84, b2, c1, d9), (a84, b2, c1, d10), (a84, b2, c1, d11), (a84, b2, c1, d12), (a84, b2, c1, d13), (a84, b2, c1, d14), (a84, b 2, c1, d15), (a84, b2, c1, d16), (a84, b2, c1, d17), (a84, b2, c1, d18), (a84, b2, c1, d19), (a84, b2, c1, d20), (a84, b2, c1, d21), (a84, b2, c1, d22), (a84, b2, c2, d1), (a84, b2, c2, d2), (a84, b2, c2, d3), (a84, b2, c2, d4), (a8 4, b2, c2, d5), (a84, b2 , c2, d6), (a84, b2, c2, d7), (a84, b2, c2, d8), (a84, b2, c2, d9), (a84, b2, c2, d10), (a84, b2, c2, d11), (a84, b2, c2, d12), (a84, b 2, c2, d13), (a84, b2, c2, d14), (a84, b2, c2, d15), (a84, b2, c2, d16), (a84, b 2, c2, d17), (a84, b2, c2, d18), (a84, b2 , c2, d19), (a84, b2, c2, d20), (a84, b2, c2, d21), (a84, b2, c2, d22), (a84, b2, c3, d1), (a84, b2, c3, d2), (a84, b2 , c3, d3), (a84, b2, c3, d4), (a84, b2, c3, d5), (a84, b2, c3, d6), (a84, b2, c3

, d7), (a84, b2, c3, d8), (a84, b2, c3, d9), (a84, b2, c3, d10), (a84, b2, c3, d11), (a84, b2, c3, d12), (a84, b2, c3, d13), (a84, b2, c3, d14), (a84, b2, c3, d15), (a84, b2, c3, d16), (a84, b2, c3, d17), (a84, b2, c3, d18), (a84, b2, c3, d19), (a84, b2, c3, d20), (a84, b2, c3, d21), (a84, b2, c3, d22), (a84, b3, c1, d1), (a84, b3, c1, d2), (a84, b3, c1, d3), (a84, b3, c1, d4), (a84, b3, c1, d5), (a84, b3, c1, d6), (a84, b3, c1, d7), (a84, b3, c1, d8), (a84, b3, c1, d9), (a84, b3, c1, d10), (a84, b3, c1, d11), (a84, b3, c1, d12), (a84, b3, c1, d13), (a84, b3, c1, d14), (a84, b3, c1, d15), (a84, b3, c1, d16), (a84, b3, c1, d17), (a84, b3, c1, d18), (a84, b3, c1, d19), (a84, b3, c1, d20), (a84, b3, c1, d21), (a84, b3, c1, d22), (a84, b3, c2, d1), (a84, b3, c2, d2), (a84, b3, c2, d3), (a84, b3, c2, d4), (a84, b3, c2, d5), (a84, b3, c2, d6), (a84, b3, c2, d7), (a84, b3, c2, d8), (a84, b3, c2, d9), (a84, b3, c2, d10), (a84, b3, c2, d11), (a84, b3, c2, d12), (a84, b3, c2, d13), (a84, b3, c2, d14), (a84, b3, c2, d15), (a84, b3, c2, d16), (a84, b3, c2, d17), (a84, b3, c2, d 18), (a84, b3, c2, d19), (a84, b3, c2, d20), (a84, b3, c2, d21), (a84, b3, c2, d22), (a84, b3, c3, d1), (a84, b3, c3, d2), (a84, b3, c3, d3), (a84, b3, c3, d4), (a84, b3, c3, d5), (a84, b3, c3, d6), (a84, b3, c3, d7), (a84, b3, c3, d8), (a84, b3, c3, d9), (a84, b3, c3, d10), (a84, b3, c3, d11), (a84, b3, c3, d12), (a84, b3, c3, d13), (a84, b3, c3, d14), (a84, b3, c3, d15), (a84, b3, c3, d16), (a84, b3, c3, d17), (a84, b3, c3, d18), (a84, b3, c3, d19), (a84, b3, c3, d20), (a84, b3, c3, d21), (a84, b3, c3, d2 2), (a84, b4, c1, d1), (a84, b4, c1, d2), (a84, b4, c1, d3), (a84, b4, c1, d4), (a84, b4, c1, d5), (a84, b4, c1, d6), (a84, b4, c1, d7), (a84, b4, c1, d8), (a84, b4, c1, d9), (a84, b4, c1, d10), (a84, b4, c1, d11), (a84, b4, c1, d12), (a84, b4, c1, d13), (a84, b4, c1, d14), (a84, b4, c1, d15), (a84, b4, c1, d16), (a84, b4, c1, d17), (a84, b4, c1, d18), (a84, b4, c1, d19), (a84, b4, c1, d20), (a84, b4, c1, d21), (a84, b4, c1, d22), (a84, b4, c2, d1), (a84, b4, c2, d2), (a84, b4, c2, d3), (a84, b4, c2, d4), (a84, b4, c2, d5), (a84, b4, c2, d6), (a84, b4, c2, d7), (a84, b4, c2, d8), (a84, b4, c2, d9), (a84, b4, c2, d10), (a84, b4, c2, d11), (a84, b4, c2, d12), (a84, b4, c2, d13), (a84, b4, c2, d14), (a84, b4, c2, d15), (a84, b4, c2, d16), (a84, b4, c2, d17), (a 84, b4, c2, d18), (a84, b4, c2, d19), (a84, b4, c2, d20), (a84, b4, c2, d21), (a84, b4, c2, d22), (a84, b4, c3, d1), (a84, b4, c3, d2), (a84, b4, c3, d3), (a84, b4, c3, d4), (a84, b4, c3, d5), (a84, b4, c3, d6), (a84, b4, c3, d7), (a84, b4, c3, d8), (a84, b4, c3, d9), (a84, b4, c3, d10), (a84, b4, c3, d11), (a84, b4, c3, d12), (a84, b4, c3, d13), (a84, b4, c3, d14), (a84, b4, c3, d15), (a84, b4, c3, d16), (a84, b4, c3, d17), (a84, b4, c3, d18), (a84, b4, c3, d19), (a84, b4, c3, d20), (a84, b4, c3, d21), (a84, b4, c3, d22), (a84, b5, c1, d1), (a84, b5, c1, d2), (a84, b5, c1, d3), (a84, b5, c1, d4), (a84, b5, c1, d5), (a84, b5, c1, d6), (a84, b5, c1, d7), (a84, b5, c1, d8), (a84, b5, c1, d9), (a84, b5, c1, d10), (a84, b5, c1, d11), (a84, b5, c1, d12), (a84, b5 , c1, d13), (a84, b5, c1, d14), (a84, b5, c1, d15), (a84, b5, c1, d16), (a84, b5, c1, d17), (a84, b5, c1, d18), (a84, b5, c1, d19), (a84, b5, c1, d20), (a84, b5, c1, d21), (a84, b5, c1, d22), (a84, b5, c2, d1), (a84, b5, c2, d2), (a84, b5, c2, d3), (a84, b 5, c2, d4), (a84, b5, c2, d5), (a84, b5, c2, d6), (a84, b5, c2, d7), (a84, b5, c2, d8), (a84, b5, c2, d9), (a84, b5, c2, d10), (a84, b5, c2, d11), (a84, b5, c2, d12), (a84, b5, c2, d13), (a84, b5, c2, d14), (a84, b5, c2, d15), (a84, b5, c2, d16), (a84, b5, c2, d17), (a84, b5, c2, d18), (a84, b5, c2, d19), (a84, b5, c2, d20), (a84, b5, c2, d21), (a84, b5, c2, d22), (a84, b5, c3, d1), (a84, b5, c3, d2), (a84, b5, c3, d3), (a84, b5, c3, d4), (a84, b5, c3, d5), (a84, b5, c3, d6), (a84, b5, c3, d7), (a84, b5, c3 , d8), (a84

, b5, c3, d9), (a84, b5, c3, d10), (a84, b5, c3, d11), (a84, b5, c3, d12), (a84, b5, c3, d13), (a84, b5, c3, d14), (a84, b5, c3, d15), (a84, b5, c3, d16), (a84, b5, c3, d17), (a84, b5, c3, d18), (a84, b5, c3, d19), (a84, b5, c3, d20), (a84, b5, c3, d21), (a84, b5, c3, d22), (a84, b6, c1, d1), (a84, b6, c1, d2), (a84, b6, c1, d3), (a84, b6, c1, d4), (a84, b6, c1, d5), (a84, b6, c1, d6), (a84, b6, c1, d7), (a84, b6, c1, d8), (a84, b6, c1, d9), (a84, b6, c1, d10), (a84, b6, c1, d11), (a84, b6, c1, d 12), (a84, b6, c1, d13), (a84, b6, c1, d14), (a84, b6, c1, d15), (a84, b6, c1, d16), (a84, b6, c1, d17), (a84, b6, c1, d18), (a84, b6, c1, d19), (a84, b6, c1, d20), (a84, b6, c1, d21), (a84, b6, c1, d22), (a84, b6, c2, d1), (a84, b6, c2, d2), (a84, b6, c2, d3), (a84, b6, c2, d4), (a84, b6, c2, d5), (a84, b6, c2, d6), (a84, b6, c2, d7), (a84, b6, c2, d8), (a84, b6, c2, d9), (a84, b6, c2, d10), (a84, b6, c2, d11), (a84, b6, c2, d12), (a84, b6, c2, d13), (a84, b6, c2, d14), (a84, b6, c2, d15), (a84, b6, c2, d1 6), (a84, b6, c2, d17), (a84, b6, c2, d18), (a84, b6, c2, d19), (a84, b6, c2, d20), (a84, b6, c2, d21), (a84, b6, c2, d22), (a84, b6, c3, d1), (a84, b6, c3, d2), (a84, b6, c3, d3), (a84, b6, c3, d4), (a84, b6, c3, d5), (a84, b6, c3, d6), (a84, b6, c3, d7), (a84, b6, c3, d8), (a84, b6, c3, d9), (a84, b6, c3, d10), (a84, b6, c3, d11), (a84, b6, c3, d12), (a84, b6, c3, d13), (a84, b6, c3, d14), (a84, b6, c3, d15), (a84, b6, c3, d16), (a84, b6, c3, d17), (a84, b6, c3, d18), (a84, b6, c3, d19), (a84, b6, c3, d20), (a84, b6, c3, d21), (a84, b6, c3, d22), (a85, b1, c1, d1), (a85, b1, c1, d2), (a85, b1, c1, d3), (a85, b1, c1, d4), (a85, b1, c1, d5), (a85, b1, c1, d6), (a85, b1, c1, d7), (a85, b1, c1, d8), (a85, b1, c1, d9), (a85, b1, c1, d10), (a85, b1, c1, d11), (a 85, b1, c1, d12), (a85, b1, c1, d13), (a85, b1, c1, d14), (a85, b1, c1, d15), (a85, b1, c1, d16), (a85, b1, c1, d17), (a85, b1, c1, d18), (a85, b1, c1, d19), (a85, b1, c1, d20), (a85, b1, c1, d21), (a85, b1, c1, d22), (a85, b1, c2, d1), (a85, b1, c2, d2), (a85, b1, c2, d3), (a85, b1, c2, d4), (a85, b1, c2, d5), (a85, b1, c2, d6), (a85, b1, c2, d7), (a85, b1, c2, d8), (a85, b1, c2, d9), (a85, b1, c2, d10), (a85, b1, c2, d11), (a85, b1, c2, d12), (a85, b1, c2, d13), (a85, b1, c2, d14), (a85, b1, c2, d15), (a8 5, b1, c2, d16), (a85, b1, c2, d17), (a85, b1, c2, d18), (a85, b1, c2, d19), (a85, b1, c2, d20), (a85, b1, c2, d21), (a85, b1, c2, d22), (a85, b1, c3, d1), (a85, b1, c3, d2), (a85, b1, c3, d3), (a85, b1, c3, d4), (a85, b1, c3, d5), (a85, b1, c3, d6), (a85, b1, c3, d7), (a85, b1, c3, d8), (a85, b1, c3, d9), (a85, b1, c3, d10), (a85, b1, c3, d11), (a85, b1, c3, d12), (a85, b1, c3, d13), (a85, b1, c3, d14), (a85, b1, c3, d15), (a85, b1, c3, d16), (a85, b1, c3, d17), (a85, b1, c3, d18), (a85, b1, c3, d19), (a85 , b1, c3, d20), (a85, b1, c3, d21), (a85, b1, c3, d22), (a85, b2, c1, d1), (a85, b2, c1, d2), (a85, b2, c1, d3), (a85, b2, c1, d4), (a85, b2, c1, d5), (a85, b2, c1, d6), (a85, b2, c1, d7), (a85, b2, c1, d8), (a85, b2, c1, d9), (a85, b2, c1, d10), (a85, b2, c1, d11), (a85, b2, c1, d12), (a85, b2, c1, d13), (a85, b2, c1, d14), (a85, b2, c1, d15), (a85, b2, c1, d16), (a85, b2, c1, d17), (a85, b2, c1, d18), (a85, b2, c1, d19), (a85, b2, c1, d20), (a85, b2, c1, d21), (a85, b2, c1, d22), (a85, b2, c2, d1), (a85, b2, c2, d2), (a85, b2, c2, d3), (a85, b2, c2, d4), (a85, b2, c2, d5), (a85, b2, c2, d6), (a85, b2, c2, d7), (a85, b2, c2, d8), (a85, b2, c2, d9), (a85, b2, c2, d10), (a85, b2, c2, d11), (a85, b2, c2, d12), (a85, b2, c2, d13), (a85, b2, c2, d14), (a85, b2, c2, d15), (a85, b2, c2, d16), (a85, b2, c2, d17), (a85, b2, c2, d18), (a85, b2, c2, d19), (a85, b2, c2, d20), (a85, b2, c2, d21), (a85, b2, c2, d22), (a85, b2, c3, d1), (a85, b2, c3, d2), (a85, b2, c3, d3), (a85, b2, c3, d4), (a85, b2, c3, d5), (a85, b2, c3, d6), (a85, b2, c3, d7), (a85, b2, c3, d8), (a85, b2, c3, d9), (a85, b2, c3, d10), (a85, b2, c3, d11), (a85, b2, c3, d12), (a85, b2, c3, d13), (a85, b2, c3, d

14), (a85, b2, c3, d15), (a85, b2, c3, d16), (a85, b2, c3, d17), (a85, b2, c3, d
18), (a85, b2, c 3, d19), (a85, b2, c3, d20), (a85, b2, c3, d21), (a85, b2, c3,
d22), (a85, b3, c1, d1), (a85, b3, c1, d2), (a85, b3, c1, d3), (a85, b3, c1, d4)
, (a85, b3, c1, d5), (a85, b3, c1, d6), (a85, b3, c1, d7), (a85, b3, c1, d8), (a
85, b3, c1, d9), (a85, b3, c1, d1 0), (a85, b3, c1, d11), (a85, b3, c1, d12), (a
85, b3, c1, d13), (a85, b3, c1, d14), (a85, b3, c1, d15), (a85, b3, c1, d16), (a
85, b3, c1, d17), (a85, b3, c1, d18), (a85, b3, c1, d19), (a85, b3, c1, d20), (a
85, b3, c1, d21), (a85, b3, c1, d22), (a85, b3, c2 , d1), (a85, b3, c2, d2), (a8
5, b3, c2, d3), (a85, b3, c2, d4), (a85, b3, c2, d5), (a85, b3, c2, d6), (a85, b
3, c2, d7), (a85, b3, c2, d8), (a85, b3, c2, d9), (a85, b3, c2, d10), (a85, b3,
c2, d11), (a85, b3, c2, d12), (a85, b3, c2, d13), (a85, b3, c2, d14), (a85, b3,
 c2, d15), (a85, b3, c2, d16), (a85, b3, c2, d17), (a85, b3, c2, d18), (a85, b3,
 c2, d19), (a85, b3, c2, d20), (a85, b3, c2, d21), (a85, b3, c2, d22), (a85, b3,
 c3, d1), (a85, b3, c3, d2), (a85, b3, c3, d3), (a85, b3, c3, d4), (a85, b3, c3,
 d5) , (a85, b3, c3, d6), (a85, b3, c3, d7), (a85, b3, c3, d8), (a85, b3, c3, d9
), (a85, b3, c3, d10), (a85, b3, c3, d11), (a85, b3, c3, d12), (a85, b3, c3, d13
), (a85, b3, c3, d14), (a85, b3, c3, d15), (a85, b3, c3, d16), (a85, b3, c3, d17
), (a85, b3, c3, d18) , (a85, b3, c3, d19), (a85, b3, c3, d20), (a85, b3, c3, d2
1), (a85, b3, c3, d22), (a85, b4, c1, d1), (a85, b4, c1, d2), (a85, b4, c1, d3),
 (a85, b4, c1, d4), (a85, b4, c1, d5), (a85, b4, c1, d6), (a85, b4, c1, d7), (a8
5, b4, c1, d8), (a85, b4, c1, d9), (a8 5, b4, c1, d10), (a85, b4, c1, d11), (a85
, b4, c1, d12), (a85, b4, c1, d13), (a85, b4, c1, d14), (a85, b4, c1, d15), (a85
, b4, c1, d16), (a85, b4, c1, d17), (a85, b4, c1, d18), (a85, b4, c1, d19), (a85
, b4, c1, d20), (a85, b4, c1, d21), (a85, b4, c1, d22), (a85, b4, c2, d1), (a85
, b4, c2, d2), (a85, b4, c2, d3), (a85, b4, c2, d4), (a85, b4, c2, d5), (a85, b4
, c2, d6), (a85, b4, c2, d7), (a85, b4, c2, d8), (a85, b4, c2, d9), (a85, b4, c2
, d10), (a85, b4, c2, d11), (a85, b4, c2, d12), (a85, b4, c2, d13), (a85 , b4, c
2, d14), (a85, b4, c2, d15), (a85, b4, c2, d16), (a85, b4, c2, d17), (a85, b4, c
2, d18), (a85, b4, c2, d19), (a85, b4, c2, d20), (a85, b4, c2, d21), (a85, b4, c
2, d22), (a85, b4, c3, d1), (a85, b4, c3, d2), (a85, b4, c3, d3), (a85, b4, c3,
d4), (a85 , b4, c3, d5), (a85, b4, c3, d6), (a85, b4, c3, d7), (a85, b4, c3, d8)
, (a85, b4, c3, d9), (a85, b4, c3, d10), (a85, b4, c3, d11), (a85, b4, c3, d12),
 (a85, b4, c3, d13), (a85, b4, c3, d14), (a85, b4, c3, d15), (a85, b4, c3, d16),
 (a85, b4, c3, d17), (a85, b4, c3, d18), (a85, b4, c3, d19), (a85, b4, c3, d20)
, (a85, b4, c3, d21), (a85, b4, c3, d22), (a85, b5, c1, d1), (a85, b5, c1, d2),
(a85, b5, c1, d3), (a85, b5, c1, d4), (a85, b5, c1, d5), (a85, b5, c1, d6), (a85
,
 b5, c1, d7), (a85, b5, c1, d8), (a85, b5, c1, d9), (a85, b5, c1, d10), (a85, b
5, c1, d11), (a85, b5, c1, d12), (a85, b5, c1, d13), (a85, b5, c1, d14), (a85, b
5, c1, d15), (a85, b5, c1, d16), (a85, b5, c1, d17), (a85, b5, c1, d18), (a85, b
5, c1, d19), (a85, b5, c1, d20), (a85, b5, c1, d21), (a85, b5, c1, d22), (a85, b
5, c2, d1), (a85, b5, c2, d2), (a85, b5, c2, d3), (a85, b5, c2, d4), (a85, b5, c
2, d5), (a85, b5, c2, d6), (a85, b5, c2, d7), (a85, b5, c2, d8), (a85, b5, c2, d
9), (a85, b5, c2, d10), (a85, b5, c2, d11), (a85, b5, c2, d12), (a85, b5, c 2, d
13), (a85, b5, c2, d14), (a85, b5, c2, d15), (a85, b5, c2, d16), (a85, b5, c2, d
17), (a85, b5, c2, d18), (a85, b5, c2, d19), (a85, b5, c2, d20), (a85, b5, c2, d
21), (a85, b5, c2, d22), (a85, b5, c3, d1), (a85, b5, c3, d2), (a85, b5, c3, d3)
, (a85, b5, c3, d4), (a85, b5, c3, d5), (a85, b5, c3, d6), (a85, b5, c3, d7), (a
85, b5, c3, d8), (a85, b5, c3, d9), (a85, b5, c3, d10), (a85, b5, c3, d11), (a85
, b5, c3, d12), (a85, b5, c3, d13), (a85, b5, c3, d14), (a85, b5, c3, d15), (a85

, b5, c3, d16), (a85, b5, c3 , d17), (a85, b5, c3, d18), (a85, b5, c3, d19), (a8
5, b5, c3, d20), (a85, b5, c3, d21), (a85, b5, c3, d22), (a85, b6, c1, d1), (a85
, b6, c1, d2), (a85, b6, c1, d3), (a85, b6, c1, d4), (a85, b6, c1, d5), (a85, b6
, c1, d6), (a85, b6, c1, d7), (a85, b6, c1, d 8), (a85, b6, c1, d9), (a85, b6, c
1, d10), (a85, b6, c1, d11), (a85, b6, c1, d12), (a85, b6, c1, d13), (a85, b6, c
1, d14), (a85, b6, c1, d15), (a85, b6, c1, d16), (a85, b6, c1, d17), (a85, b6, c
1, d18), (a85, b6, c1, d19), (a85, b6, c1, d20), (a85, b6, c1, d21), (a85, b6,
c1, d22), (a85, b6, c2, d1), (a85, b6, c2, d2), (a85, b6, c2, d3), (a85, b6, c2,
d4), (a85, b6, c2, d5), (a85, b6, c2, d6), (a85, b6, c2, d7), (a85, b6, c2, d8)
, (a85, b6, c2, d9), (a85, b6, c2, d10), (a85, b6, c2, d11), (a85, b6, c2, d12)
, (a85, b6, c2, d13), (a85, b6, c2, d14), (a85, b6, c2, d15), (a85, b6, c2, d16)
, (a85, b6, c2, d17), (a85, b6, c2, d18), (a85, b6, c2, d19), (a85, b6, c2, d20)
, (a85, b6, c2, d21), (a85, b6, c2, d22), (a85, b6, c3, d1), (a85, b6, c3, d2),
(a85, b6, c3, d3), (a85, b6, c3, d4), (a85, b6, c3, d5), (a85, b6, c3, d6), (a8
5, b6, c3, d7), (a85, b6, c3, d8), (a85, b6, c3, d9), (a85, b6, c3, d10), (a85,
b6, c3, d11), (a85, b6, c3, d12), (a85, b6, c3, d13), (a85, b6, c3, d14), (a85,
b6, c3, d15), (a85, b6, c3, d16), (a85, b6, c3, d17), (a85, b6, c3, d18), (a85,
b6, c3, d19), (a85, b6, c3, d20), (a85, b6, c3, d21), (a85, b6, c3, d22), (a86,
b1, c1, d1), (a86, b1, c1, d2), (a86, b1, c1, d3), (a86, b1, c1, d4), (a86, b1,
c1, d5), (a86, b1, c1, d6), (a86, b1, c1, d7), (a 86, b1, c1, d8), (a86, b1, c1
, d9), (a86, b1, c1, d10), (a86, b1, c1, d11), (a86, b1, c1, d12), (a86, b1, c1,
d13), (a86, b1, c1, d14), (a86, b1, c1, d15), (a86, b1, c1, d16), (a86, b1, c1,
d17), (a86, b1, c1, d18), (a86, b1, c1, d19), (a86, b1, c1, d20), (a86, b1, c1,
d21), (a86, b1, c1, d22), (a86, b1, c2, d1), (a86, b1, c2, d2), (a86, b1, c2, d
3), (a86, b1, c2, d4), (a86, b1, c2, d5), (a86, b1, c2, d6), (a86, b1, c2, d7),
(a86, b1, c2, d8), (a86, b1, c2, d9), (a86, b1, c2, d10), (a86, b1, c2, d11), (a
86, b1, c2, d12), (a86, b1, c2, d13), (a86, b1, c2, d14), (a86, b1, c2, d15), (
a86, b1, c2, d16), (a86, b1, c2, d17), (a86, b1, c2, d18), (a86, b1, c2, d19), (
a86, b1, c2, d20), (a86, b1, c2, d21), (a86, b1, c2, d22), (a86, b1, c3, d1), (a
86, b1, c3, d2), (a8 6, b1, c3, d3), (a86, b1, c3, d4), (a86, b1, c3, d5), (a86,
b1, c3, d6), (a86, b1, c3, d7), (a86, b1, c3, d8), (a86, b1, c3, d9), (a86, b1,
c3, d10), (a86, b1, c3, d11), (a86, b1, c3, d12), (a86, b1, c3, d13), (a86, b1,
c3, d14), (a86, b1, c3, d15), (a86, b1, c3, d16), (a86, b1, c3, d17), (a86, b1,
c3, d18), (a86, b1, c3, d19), (a86, b1, c3, d20), (a86, b1, c3, d21), (a86, b1,
c3, d22), (a86, b2, c1, d1), (a86, b2, c1, d2), (a86, b2, c1, d3), (a86, b2, c1
, d4), (a86, b2, c1, d5), (a86, b2, c1, d6), (a86, b2 , c1, d7), (a86, b2, c1, d
8), (a86, b2, c1, d9), (a86, b2, c1, d10), (a86, b2, c1, d11), (a86, b2, c1, d12
), (a86, b2, c1, d13), (a86, b2, c1, d14), (a86, b2, c1, d15), (a86, b2, c1, d16
), (a86, b2, c1, d17), (a86, b2, c1, d18), (a86, b2, c1, d19), (a86, b 2, c1, d2
0), (a86, b2, c1, d21), (a86, b2, c1, d22), (a86, b2, c2, d1), (a86, b2, c2, d2)
, (a86, b2, c2, d3), (a86, b2, c2, d4), (a86, b2, c2, d5), (a86, b2, c2, d6), (a
86, b2, c2, d7), (a86, b2, c2, d8), (a86, b2, c2, d9), (a86, b2, c2, d10), (a86,
b2, c2 , d11), (a86, b2, c2, d12), (a86, b2, c2, d13), (a86, b2, c2, d14), (a86
, b2, c2, d15), (a86, b2, c2, d16), (a86, b2, c2, d17), (a86, b2, c2, d18), (a86
, b2, c2, d19), (a86, b2, c2, d20), (a86, b2, c2, d21), (a86, b2, c2, d22), (a86
, b2, c3, d1), (a86, b2, c3, d2), (a86, b2, c3, d3), (a86, b2, c3, d4), (a86, b
2, c3, d5), (a86, b2, c3, d6), (a86, b2, c3, d7), (a86, b2, c3, d8), (a86, b2, c
3, d9), (a86, b2, c3, d10), (a86, b2, c3, d11), (a86, b2, c3, d12), (a86, b2, c3
, d13), (a86, b2, c3, d14), (a86, b2, c3, d15), (a86, b2, c3, d16), (a86, b2, c
3, d17), (a86, b2, c3, d18), (a86, b2, c3, d19), (a86, b2, c3, d20), (a86, b2, c

3, d21), (a86, b2, c3, d22), (a86, b3, c1, d1), (a86, b3, c1, d2), (a86, b3, c1, d3), (a86, b3, c1, d4), (a86, b3, c1, d5), (a86, b3, c1, d6), (a86, b3, c1, d7), (a86, b3, c1, d8), (a86, b3, c1, d9), (a86, b3, c1, d10), (a86, b3, c1, d11), (a86, b3, c1, d12), (a86, b3, c1, d13), (a86, b3, c1, d14), (a86, b3, c1, d15), (a86, b3, c1, d16), (a86, b3, c1, d17), (a86, b3, c1, d18), (a86, b3, c1, d19), (a86, b3, c1, d20), (a86, b3, c1, d21), (a86, b3, c1, d22), (a86, b3, c2, d1), (a86, b3, c2, d2), (a86, b3, c2, d3), (a86, b3, c2, d4), (a86, b3, c2, d5), (a86, b3, c2, d6), (a86, b3, c2, d7), (a86, b3, c2, d8), (a86, b3, c2, d9), (a86, b3, c2, d10), (a86, b3, c2, d11), (a86, b3, c2, d12), (a86, b3, c2, d13), (a86, b3, c2, d14), (a86, b3, c2, d15), (a86, b3, c2, d16), (a86, b3, c2, d17), (a86, b3, c2, d18), (a86, b3, c2, d19), (a86, b3, c2, d20), (a86, b3, c2, d21), (a86, b3, c2, d22), (a86, b3, c3, d 1), (a86, b3, c3, d2), (a86, b3, c3, d3), (a86, b3, c3, d4), (a86, b3, c3, d5), (a86, b3, c3, d6), (a86, b3, c3, d7), (a86, b3, c3, d8), (a86, b3, c3, d9), (a86, b3, c3, d10), (a86, b3, c3, d11), (a86, b3, c3, d12), (a86, b3, c3, d13), (a86, b3, c3, d14), (a86, b3, c3, d15), (a86, b3, c3, d16), (a86, b3, c3, d17), (a86, b3, c3, d18), (a86, b3, c3, d19), (a86, b3, c3, d20), (a86, b3, c3, d21), (a86, b3, c3, d22), (a86, b4, c1, d1), (a86, b4, c1, d2), (a86, b4, c1, d3), (a86, b4, c1, d4), (a86, b4, c1, d5), (a86, b4, c1, d6), (a86, b4, c1, d7), (a86, b4, c1, d8), (a86, b4, c1, d9), (a86, b4, c1, d10), (a86, b4, c1, d11), (a86, b4, c1, d12), (a86, b4, c1, d13), (a86, b4, c1, d14), (a86, b4, c1, d15), (a86, b4, c1, d16), (a86, b4, c1, d17), (a86, b4, c1, d18), (a86, b4, c1, d19), (a86, b4, c1, d20), (a86, b4, c1, d21), (a86, b4, c1, d22), (a86, b4, c2, d1), (a86, b4, c2, d2), (a86, b4, c2, d3), (a86, b4, c2, d4), (a86, b4, c2, d5), (a86, b4, c2, d6), (a86, b4, c2, d7), (a86, b4, c2, d8), (a86, b4, c2, d9), (a86, b4, c2, d10), (a86, b4, c2, d11), (a86, b4, c2, d12), (a86, b4, c2, d13), (a86, b4, c2, d14), (a86, b4, c2, d15), (a86, b4, c2, d16), (a86, b4, c2, d17), (a86, b4, c2, d18), (a86, b4, c2, d19), (a86, b4, c2, d20), (a86, b4, c2, d21), (a86, b4, c2, d22), (a 86, b4, c3, d1), (a86, b4, c3, d2), (a86, b4, c3, d3), (a86, b4, c3, d4), (a86, b4, c3, d5), (a86, b4, c3, d6), (a86, b4, c3, d7), (a86, b4, c3, d8), (a86, b4, c3, d9), (a86, b4, c3, d10), (a86, b4, c3, d11), (a86, b4, c3, d12), (a86, b4, c3, d13), (a86, b 4, c3, d14), (a86, b4, c3, d15), (a86, b4, c3, d16), (a86, b4, c3, d17), (a86, b4, c3, d18), (a86, b4, c3, d19), (a86, b4, c3, d20), (a86, b4, c3, d21), (a86, b4, c3, d22), (a86, b5, c1, d1), (a86, b5, c1, d2), (a86, b5, c1, d3), (a86, b5, c1, d4), (a86, b 5, c1, d5), (a86, b5, c1, d6), (a86, b5, c1, d7), (a86, b5, c1, d8), (a86, b5, c1, d9), (a86, b5, c1, d10), (a86, b5, c1, d11), (a86, b5, c1, d12), (a86, b5, c1, d13), (a86, b5, c1, d14), (a86, b5, c1, d15), (a86, b5, c1, d16), (a86, b5, c1, d17), (a86, b5 , c1, d18), (a86, b5, c1, d19), (a86, b5, c1, d20), (a86, b5, c1, d21), (a86, b5, c1, d22), (a86, b5, c2, d1), (a86, b5, c2, d2), (a86, b5, c2, d3), (a86, b5, c2, d4), (a86, b5, c2, d5), (a86, b5, c2, d6), (a86, b5, c2, d7), (a86, b5, c2, d8), (a86, b5, c2 , d9), (a86, b5, c2, d10), (a86, b5, c2, d11), (a86, b5, c2, d12), (a86, b5, c2, d13), (a86, b5, c2, d14), (a86, b5, c2, d15), (a86, b5, c2, d16), (a86, b5, c2, d17), (a86, b5, c2, d18), (a86, b5, c2, d19), (a86, b5, c2, d20), (a86, b5, c2, d21), (a86, b5, c2, d22), (a86, b5, c3, d1), (a86, b5, c3, d2), (a86, b5, c3, d3), (a86, b5, c3, d4), (a86, b5, c3, d5), (a86, b5, c3, d6), (a86, b5, c3, d7), (a86, b5, c3, d8), (a86, b5, c3, d9), (a86, b5, c3, d10), (a86, b5, c3, d11), (a86, b5, c3, d12), (a86, b5, c3, d13), (a86, b5, c3, d14), (a86, b5, c3, d15), (a86, b5, c3, d16), (a86, b5, c3, d17), (a86, b5, c3, d18), (a86, b5, c3, d19), (a86, b5, c3, d20), (a86, b5, c3, d21), (a86, b5, c3, d22), (a86, b6, c1, d1), (a86, b6, c1, d2), (a86, b6, c1, d3), (a86, b6, c1, d4), (a86,

b6, c1, d5), (a86, b6, c1, d6), (a86, b6, c1, d7), (a86, b6, c1, d8), (a86, b6, c1, d9), (a86, b6, c1, d10), (a86, b6, c1, d11), (a86, b6, c1, d12), (a86, b6, c1, d13), (a86, b6, c1, d14), (a86, b6, c1, d15), (a86, b6, c1, d16), (a86, b6, c1, d 17), (a86, b6, c1, d18), (a86, b6, c1, d19), (a86, b6, c1, d20), (a86, b6, c1, d21), (a86, b6, c1, d22), (a86, b6, c2, d1), (a86, b6, c2, d2), (a86, b6, c 2, d3), (a86, b6, c2, d4), (a86, b6, c2, d5), (a86, b6, c2, d6), (a86, b6, c2, d 7), (a86, b6, c2, d8), (a86, b6, c2, d9), (a86, b6, c2, d10), (a86, b6, c2, d11), (a86, b6, c2, d12), (a86, b6, c2, d13), (a86, b6, c2, d14), (a86, b6, c2, d15), (a86, b6, c2, d16), (a86, b6, c2, d17), (a86, b6, c2, d18), (a86, b6, c2, d19), (a86, b6, c2, d20), (a86, b6, c2, d2 1), (a86, b6, c2, d22), (a86, b6, c3, d1), (a86, b6, c3, d2), (a86, b6, c3, d3), (a86, b6, c3, d4), (a86, b6, c3, d5), (a86, b6, c3, d6), (a86, b6, c3, d7), (a86, b6, c3, d8), (a86, b6, c3, d9), (a86, b6, c3, d10), (a86, b6, c3, d11), (a86, b6, c3, d12), (a86, b6, c3, d13), (a86 , b6, c3, d14), (a86, b6, c3, d15), (a86, b6, c3, d16), (a86, b6, c3, d17), (a86 , b6, c3, d18), (a86, b6, c3, d19), (a86, b6, c3, d20), (a86, b6, c3, d21), (a86 ,

b6, c3, d22), (a87, b1, c1, d1), (a87, b1, c1, d2), (a87, b1, c1, d3), (a87, b1 , c1, d4), (a87, b1, c1, d5), (a87, b1, c1, d6), (a87, b1, c1, d7), (a87, b1, c1 , d8), (a87, b1, c1, d9), (a87, b1, c1, d10), (a87, b1, c1, d11), (a87, b1, c1, d12), (a87, b1, c1, d13), (a87, b1, c1, d14), (a87, b1, c1, d15), (a87, b1, c1, d16), (a 87, b1, c1, d17), (a87, b1, c1, d18), (a87, b1, c1, d19), (a87, b1, c1, d20), (a87, b1, c1, d21), (a87, b1, c1, d22), (a87, b1, c2, d1), (a87, b1, c2, d2), (a87, b1, c2, d3), (a87, b1, c2, d4), (a87, b1, c2, d5), (a87, b1, c2, d6), (a87, b1, c2, d7), (a87, b1, c2, d8), (a87, b1, c2, d9), (a87, b1, c2, d10), (a87, b1, c2, d11), (a87, b1, c2, d12), (a87, b1, c2, d13), (a87, b1, c2, d14), (a87, b1, c2, d15), (a87, b1, c2, d16), (a87, b1, c2, d17), (a87, b1, c2, d18), (a87, b1, c2, d19), (a87, b1, c2, d20), (a8 7, b1, c2, d21), (a87, b1, c2, d22), (a87, b1, c3, d1), (a87, b1, c3, d2), (a87, b1, c3, d3), (a87, b1, c3, d4), (a87 , b1, c3, d5), (a87, b1, c3, d6), (a87, b1, c3, d7), (a87, b1, c3, d8), (a87, b1 , c3, d9), (a87, b1, c3, d10), (a87, b1, c3, d11), (a87, b1 , c3, d12), (a87, b1 , c3, d13), (a87, b1, c3, d14), (a87, b1, c3, d15), (a87, b1, c3, d16), (a87, b1 , c3, d17), (a87, b1, c3, d18), (a87, b1, c3, d19), (a87, b1, c3, d20), (a87, b1 , c3, d21), (a87, b1, c3, d22), (a87, b2, c1, d1), (a87, b2, c1, d2), (a87, b2, c1, d3), (a87, b2, c1, d4), (a87, b2, c1, d5), (a87, b2, c1, d6), (a87, b2, c1, d7), (a87, b2, c1, d8), (a87, b2, c1, d9), (a87, b2, c1, d10), (a87, b2, c1, d11), (a87, b2, c1, d12), (a87, b2, c1, d13), (a87, b2, c1, d14), (a87, b2, c1, d15), (a87, b2, c1, d16), (a87, b2, c1, d17), (a87, b2, c1, d18), (a87, b2, c1, d1 9), (a87, b2, c1, d20), (a87, b2, c1, d21), (a87, b2, c1, d22), (a87, b2, c2, d1), (a87, b2, c2, d2), (a87, b2, c2, d3), (a87, b2, c2, d4), (a87, b2, c2, d5), (a87, b2, c2, d6), (a87, b2, c 2, d7), (a87, b2, c2, d8), (a87, b2, c2, d9), (a87 , b2, c2, d10), (a87, b2, c2, d11), (a87, b2, c2, d12), (a87, b2, c2, d13), (a87 , b2, c2, d14), (a87, b2, c2, d15), (a87, b2, c2, d16), (a87, b2, c2, d17), (a87 , b2, c2, d18), (a87, b2, c2, d19), (a87, b2, c2, d20), (a87, b2, c2, d21), (a87 , b2, c2, d22), (a87, b2, c3, d1), (a87, b2, c3, d2), (a87, b2, c3, d3), (a87, b 2, c3, d4), (a87, b2, c3, d5), (a87, b2, c3, d6), (a87, b2, c3, d7), (a87, b2, c 3, d8), (a87, b2, c3, d9), (a87, b2, c3, d10), (a87, b2, c3, d 11), (a87, b2, c3 , d12), (a87, b2, c3, d13), (a87, b2, c3, d14), (a87, b2, c3, d15), (a87, b2, c3 , d16), (a87, b2, c3, d17), (a87, b2, c3, d18), (a87, b2, c3, d19), (a87, b2, c3 , d20), (a87, b2, c3, d21), (a87, b2, c3, d22), (a87, b3, c1, d1), (a87, b3, c1 , d2), (a87, b3, c1, d3), (a87, b3, c1, d4), (a87, b3, c1, d5), (a87, b3, c1, d6

), (a87, b3, c1, d7), (a87, b3, c1, d8), (a87, b3, c1, d9), (a87, b3, c1, d10), (a87, b3, c1, d11), (a87, b3, c1, d12), (a87, b3, c1, d13), (a87, b3, c1, d14), (a87, b3, c1, d1 5), (a87, b3, c1, d16), (a87, b3, c1, d17), (a87, b3, c1, d18), (a87, b3, c1, d19), (a87, b3, c1, d20), (a87, b3, c1, d21), (a87, b3, c1, d22), (a87, b3, c2, d1), (a87, b3, c2, d2), (a87, b3, c2, d3), (a87, b3, c2, d4), (a87, b3, c2, d5), (a87, b3, c2, d6) , (a87, b3, c2, d7), (a87, b3, c2, d8), (a87, b3, c2, d9), (a87, b3, c2, d10), (a87, b3, c2, d11), (a87, b3, c2, d12), (a87, b3, c2, d13), (a87, b3, c2, d14), (a87, b3, c2, d15), (a87, b3, c2, d16), (a87, b3, c2, d17), (a87, b3, c2, d18), (a87, b3, c2, d19), (a87, b3, c2, d20), (a87, b3, c2, d21), (a87, b3, c2, d22), (a87, b3, c3, d1), (a87, b3, c3, d2), (a87, b3, c3, d3), (a87, b3, c3, d4), (a87, b3, c3, d5), (a87, b3, c3, d6), (a87, b3, c3, d7), (a87, b3, c3, d8), (a87, b3, c3, d9), (a87, b3, c3, d10), (a 87, b3, c3, d11), (a87, b3, c3, d12), (a87, b3, c3, d13), (a87, b3, c3, d14), (a87, b3, c3, d15), (a87, b3, c3, d16), (a87, b3, c3, d17), (a87, b3, c3, d18), (a87, b3, c3, d19), (a87, b3, c3, d20), (a87, b3, c3, d21), (a87, b3, c3, d22), (a87, b4, c1, d1), (a87, b4, c1, d2), (a87, b4, c1, d3), (a87, b4, c1, d4), (a87, b4, c1, d5), (a87, b4, c1, d6), (a87, b4, c1, d7), (a87, b4, c1, d8), (a87, b4, c1, d9), (a87, b4, c1, d10), (a87, b4, c1, d11), (a87, b4, c1, d12), (a87, b4, c1, d13), (a87, b4, c1, d14), (a8 7, b4, c1, d15), (a87, b4, c1, d16), (a87, b4, c1, d17), (a87, b4, c1, d18), (a87, b4, c1, d19), (a87, b4, c1, d20), (a87, b4, c1, d21), (a87, b4, c1, d22), (a87, b4, c2, d1), (a87, b4, c2, d2), (a87, b4, c2, d3), (a87, b4, c2, d4), (a87, b4, c2, d5), (a87 , b4, c2, d6), (a87, b4, c2, d7), (a87, b4, c2, d8), (a87, b4, c2, d9), (a87, b4, c2, d10), (a87, b4, c2, d11), (a87, b4, c2, d12), (a87, b4, c2, d13), (a87, b4, c2, d14), (a87, b4, c2, d15), (a87, b4, c2, d16), (a87, b4, c2, d17), (a87, b4, c2, d18), (a87 , b4, c2, d19), (a87, b4, c2, d20), (a87, b4, c2, d21), (a87, b4, c2, d22), (a87, b4, c3, d1), (a87, b4, c3, d2), (a87, b4, c3, d3), (a87, b4, c3, d4), (a87, b4, c3, d5), (a87, b4, c3, d6), (a87, b4, c3, d7), (a87, b4, c3, d8), (a87, b4, c3, d9), (a87, b4, c3, d1 0), (a87, b4, c3, d11), (a87, b4, c3, d12), (a87, b4, c3, d13), (a87, b4, c3, d1 4), (a87, b4, c3, d15), (a87, b4, c3, d16), (a87, b4, c3, d17), (a87, b4, c3, d1 8), (a87, b4, c3, d19), (a87, b4, c3, d20), (a87, b4, c3, d21), (a87, b4, c3, d2 2), (a87, b5, c1, d1), (a87, b5, c1, d2), (a87, b5, c1, d3), (a87, b5, c1, d4), (a87, b5, c1, d5), (a87, b5, c1, d6), (a87, b5, c1, d7), (a87, b5, c1, d8), (a8 7, b5, c1, d9), (a87, b5, c1, d10), (a87, b5, c1, d11), (a87, b5, c1, d12), (a87 , b5, c1, d13), (a87, b5, c1, d14), (a87, b5, c1, d15), (a87, b5, c1, d16), (a87 , b5, c1, d17), (a87, b5, c1, d18), (a87, b5, c1, d19), (a87, b5, c1, d20), (a87 , b5, c1, d21), (a87, b5, c1, d22), (a87, b5, c2, d1), (a87, b5, c2, d2), (a87, b5, c2, d3), (a87, b5, c2, d4), (a87, b5, c2, d5), (a87, b5, c2, d6), (a87, b5, c2, d7), (a87, b5, c2, d8), (a87, b5, c2, d9), (a87, b5, c2, d10), (a87, b5, c2, d11), (a87, b5, c2, d12), (a87, b5, c2, d13), (a87, b5, c2, d14), (a87, b5, c2, d15), (a87, b5, c2, d16), (a87, b5, c 2, d18), (a87, b5, c2 , d19), (a87, b5, c2, d20), (a87, b5, c2, d21), (a87, b5, c2, d22), (a87, b5, c3 , d1), (a87, b5, c3, d2), (a87, b5, c3, d3), (a87, b5, c3, d4), (a87, b5, c3, d5), (a87, b5, c3, d6), (a87, b5, c3, d7), (a87, b5, c3, d8), (a87, b5, c3, d 9), (a87, b5, c3, d10), (a87, b5, c3, d11), (a87, b5, c3, d12), (a87, b5, c3, d13), (a87, b5, c3, d14), (a87, b5, c3, d15), (a87, b5, c3, d16), (a87, b5, c3, d17), (a87, b5, c3, d18), (a87, b5, c3, d19), (a87, b5, c3, d20), (a87, b5, c3, d21), (a87, b5, c3 , d22), (a87, b6, c1, d1), (a87, b6, c1, d2), (a87, b6, c1, d3), (a 87, b6, c1, d4), (a87, b6, c1, d5), (a87, b6, c1, d6), (a87, b6, c1, d7), (a87, b6, c1, d8), (a87, b6, c1, d9), (a87, b6, c1, d10), (a87, b6, c1, d11), (a87, b6

, c1, d12), (a87, b6, c1, d13), (a87, b6, c1, d14), (a87, b6, c1, d15), (a87, b
6, c1, d16), (a87, b6, c1, d17), (a87, b6, c1, d18), (a87, b6, c1, d19), (a87, b
6, c1, d20), (a87, b6, c1, d21), (a87, b6, c1, d22), (a87, b6, c2, d1), (a87, b6
, c2, d2), (a87, b6, c2, d3), (a87, b6, c2, d4), (a87, b6, c2, d5), (a87, b6, c
2, d6), (a87, b6, c2, d7), (a87, b6, c2, d8), (a87, b6, c2, d9), (a87, b6, c2, d
10), (a87, b6, c2, d11), (a87, b6, c2, d12), (a87, b6, c2, d13), (a87, b6, c2, d
14), (a87, b6, c2, d15), (a87, b6, c2, d16), (a87, b6, c2, d17) , (a87, b6, c2,
d18), (a87, b6, c2, d19), (a87, b6, c2, d20), (a87, b6, c2, d21), (a87, b6, c2,
d22), (a87, b6, c3, d1), (a87, b6, c3, d2), (a87, b6, c3, d3), (a87, b6, c3, d4)
, (a87, b6, c3, d5), (a87, b6, c3, d6), (a87, b6, c3, d7), (a87, b6, c3, d8), (a
87, b6, c3, d9), (a87, b6, c3, d10), (a87, b6, c3, d11), (a87, b6, c3, d12), (a
87, b6, c3, d13), (a87, b6, c3, d14), (a87, b6, c3, d15), (a87, b6, c3, d16), (a
87, b6, c3, d17), (a87, b6, c3, d18), (a87, b6, c3, d19), (a87, b6, c3, d20), (a
87, b6, c3, d21), (a87, b6, c3, d22), (a88, b1, c1, d1), (a88, b1, c1, d2), (a8
8, b1, c1, d3), (a88, b1, c1, d4), (a88, b1, c1, d5), (a88, b1, c1, d6), (a88, b
1, c1, d7), (a88, b1, c1, d8), (a88, b1, c1, d9), (a88, b1, c1, d10), (a88, b1,
c1, d11), (a88, b1, c1, d12), (a88 , b1, c1, d13), (a88, b1, c1, d14), (a88, b1,
c1, d15), (a88, b1, c1, d16), (a88, b1, c1, d17), (a88, b1, c1, d18), (a88, b1,
c1, d19), (a88, b1, c1, d20), (a88, b1, c1, d21), (a88, b1, c1, d22), (a88, b1,
c2, d1), (a88, b1, c2, d2), (a88, b1, c2, d3), (a8 8, b1, c2, d4), (a88, b1, c2
, d5), (a88, b1, c2, d6), (a88, b1, c2, d7), (a88, b1, c2, d8), (a88, b1, c2, d9
), (a88, b1, c2, d10), (a88, b1, c2, d11), (a88, b1, c2, d12), (a88, b1, c2, d13
), (a88, b1, c2, d14), (a88, b1, c2, d15), (a88, b1, c2, d16), (a88, b1, c2, d1
7), (a88, b1, c2, d18), (a88, b1, c2, d19), (a88, b1, c2, d20), (a88, b1, c2, d2
1), (a88, b1, c2, d22), (a88, b1, c3, d1), (a88, b1, c3, d2), (a88, b1, c3, d3),
(a88, b1, c3, d4), (a88, b1, c3, d5), (a88, b1, c3, d6), (a88, b1, c3, d7), (a8
8, b1 , c3, d8), (a88, b1, c3, d9), (a88, b1, c3, d10), (a88, b1, c3, d11), (a88
, b1, c3, d12), (a88, b1, c3, d13), (a88, b1, c3, d14), (a88, b1, c3, d15), (a88
, b1, c3, d16), (a88, b1, c3, d17), (a88, b1, c3, d18), (a88, b1, c3, d19), (a88
, b1, c3, d20), (a88, b1, c3, d21), (a88, b1, c3, d22), (a88, b2, c1, d1), (a88,
b2, c1, d2), (a88, b2, c1, d3), (a88, b2, c1, d4), (a88, b2, c1, d5), (a88, b2,
c1, d6), (a88, b2, c1, d7), (a88, b2, c1, d8), (a88, b2, c1, d9), (a88, b2, c1,
d10), (a88, b2, c1, d11), (a88, b2, c 1, d12), (a88, b2, c1, d13), (a88, b2, c1
, d14), (a88, b2, c1, d15), (a88, b2, c1, d16), (a88, b2, c1, d17), (a88, b2, c1
, d18), (a88, b2, c1, d19), (a88, b2, c1, d20), (a88, b2, c1, d21), (a88, b2, c1
, d22), (a88, b2, c2, d1), (a88, b2, c2, d2), (a88, b2, c2, d3), (a88, b2, c2,
d4), (a88, b2, c2, d5), (a88, b2, c2, d6), (a88, b2, c2, d7), (a88, b2, c2, d8),
(a88, b2, c2, d9), (a88, b2, c2, d10), (a88, b2, c2, d11), (a88, b2, c2, d12),
(a88, b2, c2, d13), (a88, b2, c2, d14), (a88, b2, c2, d15), (a88, b2, c2 , d16),
(a88, b2, c2, d17), (a88, b2, c2, d18), (a88, b2, c2, d19), (a88, b2, c2, d20),
(a88, b2, c2, d21), (a88, b2, c2, d22), (a88, b2, c3, d1), (a88, b2, c3, d2), (
a88, b2, c3, d3), (a88, b2, c3, d4), (a88, b2, c3, d5), (a88, b2, c3, d6), (a88,
b2, c3, d7), (a88, b2, c3, d8), (a88, b2, c3, d9), (a88, b2, c3, d10), (a88, b2
, c3, d11), (a88, b2, c3, d12), (a88, b2, c3, d13), (a88, b2, c3, d14), (a88, b2
,
c3, d15), (a88, b2, c3, d16), (a88, b2, c3, d17), (a88, b2, c3, d18), (a88, b2,
c3, d19), (a88, b2, c3, d20), (a88, b2, c3, d21), (a88, b2, c3, d22), (a88, b3
, c1, d1), (a88, b3, c1, d2), (a88, b3, c1, d3), (a88, b3, c1, d4), (a88, b3, c1
, d5), (a88, b3, c1, d6), (a88, b3, c1, d7), (a88, b3, c1, d8), (a88, b3, c1, d9
), (a88, b3, c1, d10), (a88, b3, c1, d11) , (a88, b3, c1, d12), (a88, b3, c1, d1

3), (a88, b3, c1, d14), (a88, b3, c1, d15), (a88, b3, c1, d16), (a88, b3, c1, d1
7), (a88, b3, c1, d18), (a88, b3, c1, d19), (a88, b3, c1, d20), (a88, b3, c1, d2
1), (a88, b3, c1, d22), (a88, b3, c2, d1), (a88, b3, c2, d 2), (a88, b3, c2, d3)
, (a88, b3, c2, d4), (a88, b3, c2, d5), (a88, b3, c2, d6), (a88, b3, c2, d7), (a
88, b3, c2, d8), (a88, b3, c2, d9), (a88, b3, c2, d10), (a88, b3, c2, d11), (a88
, b3, c2, d12), (a88, b3, c2, d13), (a88, b3, c2, d14), (a88, b3, c2, d15), (a8
8, b3, c2, d16), (a88, b3, c2, d17), (a88, b3, c2, d18), (a88, b3, c2, d19), (a8
8, b3, c2, d20), (a88, b3, c2, d21), (a88, b3, c2, d22), (a88, b3, c3, d1), (a88
, b3, c3, d2), (a88, b3, c3, d3), (a88, b3, c3, d4), (a88, b3, c3, d5), (a88, b3
, c3, d6), (a88, b3, c3, d7), (a88, b3, c3, d8), (a88, b3, c3, d9), (a88, b3, c
3, d10), (a88, b3, c3, d11), (a88, b3, c3, d12), (a88, b3, c3, d13), (a88, b3, c
3, d14), (a88, b3, c3, d15), (a88, b3, c3, d16), (a88, b3, c3, d17), (a88, b3, c
3, d18), (a88, b3, c3, d19), (a88, b3, c3, d20), (a88, b3, c3, d21), (a88, b3, c
3, d22), (a88, b4, c1, d1), (a88, b4, c1, d2), (a88, b4, c1, d3), (a88, b4, c1,
d4), (a88, b4, c1, d5), (a88, b4, c1, d6), (a88, b4, c1, d7), (a88, b4, c1, d8),
(a88, b4, c1, d9), (a88, b4, c1, d10), (a88, b4, c1, d11), (a88, b4, c1, d12),
(a88, b4, c1, d13), (a88, b4, c1, d14), (a88, b4, c1, d15), (a88, b4, c1, d16),
(a88, b4, c1, d17), (a88, b4, c1, d18), (a88, b4, c1, d19), (a88, b4, c1, d20),
(a88, b4, c1, d21), (a88, b4, c1, d22), (a88, b4, c2, d1), (a 88, b4, c2, d2),
(a88, b4, c2, d3), (a88, b4, c2, d4), (a88, b4, c2, d5), (a88, b4, c2, d6), (a88
, b4, c2, d7), (a88, b4, c2, d8), (a88, b4, c2, d9), (a88, b4, c2, d10), (a88, b
4, c2, d11), (a88, b4, c2, d12), (a88, b4, c2, d13), (a88, b4, c2, d14), (a88, b
4, c2, d15), (a88, b4, c2, d16), (a88, b4, c2, d17), (a88, b4, c2, d18), (a88, b
4, c2, d19), (a88, b4, c2, d20), (a88, b4, c2, d21), (a88, b4, c2, d22), (a88, b
4, c3, d1), (a88, b4, c3, d2), (a88, b4, c3, d3), (a88, b4, c3, d4), (a88, b4, c
3, d5), (a88, b 4, c3, d6), (a88, b4, c3, d7), (a88, b4, c3, d8), (a88, b4, c3,
d9), (a88, b4, c3, d10), (a88, b4, c3, d11), (a88, b4, c3, d12), (a88, b4, c3, d
13), (a88, b4, c3, d14), (a88, b4, c3, d15), (a88, b4, c3, d16), (a88, b4, c3, d
17), (a88, b4, c3, d18), (a88, b 4, c3, d19), (a88, b4, c3, d20), (a88, b4, c3,
d21), (a88, b4, c3, d22), (a88, b5, c1, d1), (a88, b5, c1, d2), (a88, b5, c1, d3
), (a88, b5, c1, d4), (a88, b5, c1, d5), (a88, b5, c1, d6), (a88, b5, c1, d7), (
a88, b5, c1, d8), (a88, b5, c1, d9), (a88, b5, c1 , d10), (a88, b5, c1, d11), (a
88, b5, c1, d12), (a88, b5, c1, d13), (a88, b5, c1, d14), (a88, b5, c1, d15), (a
88, b5, c1, d16), (a88, b5, c1, d17), (a88, b5, c1, d18), (a88, b5, c1, d19), (a
88, b5, c1, d20), (a88, b5, c1, d21), (a88, b5, c1, d22), (a88, b5 , c2, d1), (a
88, b5, c2, d2), (a88, b5, c2, d3), (a88, b5, c2, d4), (a88, b5, c2, d5), (a88,
b5, c2, d6), (a88, b5, c2, d7), (a88, b5, c2, d8), (a88, b5, c2, d9), (a88, b5,
c2, d10), (a88, b5, c2, d11), (a88, b5, c2, d12), (a88, b5, c2, d13), (a88, b5,
c2, d14), (a88, b5, c2, d15), (a88, b5, c2, d16), (a88, b5, c2, d17), (a88, b5,
c2, d18), (a88, b5, c2, d19), (a88, b5, c2, d20), (a88, b5, c2, d21), (a88, b5,
c2, d22), (a88, b5, c3, d1), (a88, b5, c3, d2), (a88, b5, c3, d3), (a88, b5, c3
, d4), (a88, b5, c3, d5), (a88, b5, c3, d6), (a88, b5, c3, d7), (a88, b5, c3, d
8), (a88, b5, c3, d9), (a88, b5, c3, d10), (a88, b5, c3, d11), (a88, b5, c3, d12
), (a88, b5, c3, d13), (a88, b5, c3, d14), (a88, b5, c3, d15), (a88, b5, c3, d16
), (a88, b5, c3, d17), (a88, b5, c3, d18), (a88, b5, c3, d19), (a88, b5, c3, d20
), (a88, b5, c3, d21), (a88, b5, c3, d22), (a88, b6, c1, d1), (a88, b6, c1, d2),
(a88, b6, c1, d3), (a88, b6, c1, d4), (a88, b6, c1, d5), (a88, b6, c1, d6), (a8
8, b6, c1, d7), (a88, b6, c1, d8), (a88, b6, c1, d9), (a88, b6, c1, d10), (a88,
b6, c1, d11), (a88, b6, c1, d12), (a88, b6, c1, d13), (a88, b6, c1, d14), (a88,
b6, c1, d15), (a88, b6, c1, d16), (a88, b6, c1, d17), (a88, b6, c1, d18), (a88,

b6, c1, d19), (a88, b6, c1, d20), (a88, b6, c1, d21), (a88, b6, c1, d 22), (a88, b6, c2, d1), (a88, b6, c2, d2), (a88, b6, c2, d3), (a88, b6, c2, d4), (a88, b6, c2, d5), (a88, b6, c2, d6), (a88, b6, c2, d7), (a88, b6, c2, d8), (a88, b6, c2, d9), (a88, b6, c2, d10), (a88, b6, c2, d11), (a88, b6, c2, d12), (a88, b6, c2, d13), (a88, b6, c2, d14), (a88, b6, c2, d15), (a88, b6, c2, d16), (a88, b6, c2, d17), (a88, b6, c2, d18), (a88, b6, c2, d19), (a88, b6, c2, d20), (a88, b6, c2, d21), (a88, b6, c2, d22), (a88, b6, c3, d1), (a88, b6, c3, d2), (a88, b6, c3, d3), (a88, b6, c3, d4), (a88, b6, c3, d5), (a88, b6, c3, d6), (a88, b6, c3, d7), (a88, b6, c3, d8), (a88, b6, c3, d9), (a88, b6, c3, d10), (a88, b6, c3, d11), (a88, b6, c3, d12), (a88, b6, c3, d13), (a88, b6, c3, d14), (a88, b6, c3, d15), (a88, b6, c3, d16), (a88, b6, c3, d17), (a88, b6, c3, d18), (a88, b6, c3, d19), (a88, b6, c3, d20), (a88, b6, c3, d21), (a88, b6, c3, d22), (a89, b1, c1, d1), (a89, b1, c1, d2), (a89, b1, c1, d3), (a89, b1, c1, d4), (a89, b1, c1, d5), (a89, b1, c1, d6), (a89, b1, c1, d7), (a89, b1, c1, d8), (a89, b1, c1, d9), (a89, b1, c1, d10), (a89, b1, c1, d11), (a89, b1, c1, d12), (a89, b1, c1, d13), (a89, b1, c1, d14), (a89, b1, c1, d15), (a89, b1, c1, d16), (a89, b1, c1, d17), (a89, b1, c1, d18), (a89, b1, c1, d19), (a89, b1, c1, d20), (a89, b1, c1, d21), (a 89, b1, c1, d22), (a89, b1, c2, d1), (a89, b1, c2, d2), (a89, b1, c2, d3), (a89, b1, c2, d4), (a89, b1, c2, d5), (a89, b1, c2, d6), (a89, b1, c2, d7), (a89, b1, c2, d8), (a89, b1, c2, d9), (a89, b1, c2, d10), (a89, b1, c2, d11), (a89, b1, c2, d12), (a89, b 1, c2, d13), (a89, b1, c2, d14), (a89, b1, c2, d15), (a89, b1, c2, d16), (a89, b1, c2, d17), (a89, b1, c2, d18), (a89, b1, c2, d19), (a89, b1, c2, d20), (a89, b1, c2, d21), (a89, b1, c2, d22), (a89, b1, c3, d1), (a89, b1, c3, d2), (a89, b1, c3, d3), (a89, b1, c3, d4), (a89, b1, c3, d5), (a89, b1, c3, d6), (a89, b1, c3, d7), (a89, b1, c3, d8), (a89, b1, c3, d9), (a89, b1, c3, d10), (a89, b1, c3, d11), (a89, b1, c3, d12), (a89, b1, c3, d13), (a89, b1, c3, d14), (a89, b1, c3, d15), (a89, b1, c3, d16), (a89, b1 , c3, d17), (a89, b1, c3, d18), (a89, b1, c3, d19), (a89, b1, c3, d20), (a89, b1, c3, d21), (a89, b1, c3, d22), (a89, b2, c1, d1), (a89, b2, c1, d2), (a89, b2, c1, d3), (a89, b2, c1, d4), (a89, b2, c1, d5), (a89, b2, c1, d6), (a89, b2, c1, d7), (a89, b2, c 1, d8), (a89, b2, c 1, d9), (a89, b2, c1, d10), (a89, b2, c1, d11), (a89, b2, c1, d12), (a89, b2, c1, d13), (a89, b2, c1, d14), (a89, b2, c1, d15), (a89, b2, c1, d16), (a89, b2, c1, d17), (a89, b2, c1, d18), (a89, b2, c1, d19), (a89, b2, c1, d20), (a89, b2, c 1, d21), (a89, b2, c1, d22), (a89, b2, c2, d1), (a89, b2, c2, d2), (a89, b2, c2, d3), (a89, b2, c2, d4), (a89, b2, c2, d5), (a89, b2, c2, d6), (a89, b2, c2, d7), (a89, b2, c2, d8), (a89, b2, c2, d9), (a89, b2, c2, d10), (a89, b2, c2, d11), (a89, b2, c2, d12), (a89, b2, c2, d13), (a89, b2, c2, d14), (a89, b2, c2, d15), (a89, b2, c2, d16), (a89, b2, c2, d17), (a89, b2, c2, d18), (a89, b2, c2, d19), (a89, b2, c2, d20), (a89, b2, c2, d21), (a89, b2, c2, d22), (a89, b2, c3, d1), (a89, b2, c3, d2), (a89, b2, c3 , d3), (a89, b2, c3, d4), (a89, b2, c3, d5), (a89, b2, c3, d6), (a89, b2, c3, d7), (a89, b2, c3, d8), (a89, b2, c3, d9), (a89, b2, c3, d10), (a89, b2, c3, d11), (a89, b2, c3, d12), (a89, b2, c3, d13), (a89, b2, c3, d14), (a89, b2, c3, d15), (a89, b2, c3, d 16), (a89, b2, c3, d17), (a89, b2, c3, d18), (a89, b2, c3, d19), (a89, b2, c3, d20), (a89, b2, c3, d21), (a89, b2, c3, d22), (a89, b3, c1, d1), (a89, b3, c1, d2), (a89, b3, c1, d3), (a89, b3, c1, d4), (a89, b3, c1, d5), (a89, b3, c1, d6), (a89, b3, c1, d7) , (a89, b3, c1, d8), (a89, b3, c1, d9), (a89, b3, c1, d10), (a89, b3, c1, d11), (a89, b3, c1, d12), (a89, b3, c1, d13), (a89, b3, c1, d14), (a89, b3, c1, d15), (a89, b3, c1, d16), (a89, b3, c1, d17), (a89, b3, c1, d18), (a89, b3, c1, d19), (a89, b3, c1, d2 0), (a89, b3, c1, d21), (a89, b3, c1, d22), (a89, b3, c2, d1), (a89, b3, c2, d

2), (a89, b3, c2, d3), (a89, b3, c2, d4), (a89, b3, c2, d5), (a89, b3, c2, d6), (a89, b3, c2, d7), (a89, b3, c2, d8), (a89, b3, c2, d9), (a89, b3, c2, d10), (a89, b3, c2, d11), (a89, b3, c2, d12), (a89, b3, c2, d13), (a89, b3, c2, d14), (a89, b3, c2, d15), (a89, b3, c2, d16), (a89, b3, c2, d17), (a89, b3, c2, d18), (a89, b3, c2, d19), (a89, b3, c2, d20), (a89, b3, c2, d21), (a89, b3, c2, d22), (a89, b3, c3, d1), (a89, b3, c3, d2), (a89, b3, c3, d3), (a89, b3, c3, d4), (a89, b3, c3, d5), (a89, b3, c3, d6), (a89, b3, c3, d7), (a89, b3, c3, d8), (a89, b3, c3, d9), (a89, b3, c3, d10), (a89, b3, c3, d11), (a89, b3, c3, d12), (a89, b3, c3, d13), (a89, b3, c3, d14), (a89, b3, c3, d15), (a 89, b3, c3, d16), (a89, b3, c3, d17), (a89, b3, c3, d18), (a89, b3, c3, d19), (a89, b3, c3, d20), (a89, b3, c3, d21), (a89, b3, c3, d22), (a89, b4, c1, d1), (a89, b4, c1, d2), (a89, b4, c1, d3), (a89, b4, c1, d4), (a89, b4, c1, d5), (a89, b4, c1, d6), (a89 , b4, c1, d7), (a89, b4, c1, d8), (a89, b4, c1, d9), (a89, b4, c1, d10), (a89, b4, c1, d11), (a89, b4, c1, d12), (a89, b4, c1, d13), (a89, b4, c1, d14), (a89, b4, c1, d15), (a89, b4, c1, d16), (a89, b4, c1, d17), (a89, b4, c1, d18), (a89, b4, c1, d19), (a8 9, b4, c1, d20), (a89, b4, c1, d21), (a89, b4, c1, d22), (a89, b4, c2, d1), (a89, b4, c2, d2), (a89, b4, c2, d3), (a89, b4, c2, d4), (a89, b4, c2, d5), (a89, b4, c2, d6), (a89, b4, c2, d7), (a89, b4, c2, d8), (a89, b4, c2, d9), (a89, b4, c2, d10), (a89, b4 , c2, d11), (a89, b4, c2, d12), (a89, b4, c2, d13), (a89 , b4, c2, d14), (a89, b4, c2, d15), (a89, b4, c2, d16), (a89, b4, c2, d17), (a89 , b4, c2, d18), (a89, b4, c2, d19), (a89, b4, c2, d20), (a89, b4, c2, d21), (a89 , b4, c2, d22), (a89, b4, c3, d1), (a89, b4, c3, d2), (a89, b4, c3, d3), (a89, b4, c3, d4), (a89, b4, c3, d5), (a89, b4, c3, d6), (a89, b4, c3, d7), (a89, b4, c
3, d8), (a89, b4, c3, d9), (a89, b4, c3, d10), (a89, b4, c3, d11), (a89, b4, c3, d12), (a89, b4, c3, d13), (a89, b4, c3, d14), (a89, b4, c3, d15), (a89, b4, c3 , d16), (a89, b4, c3, d17), (a89, b4, c3, d18), (a89, b4, c3, d19), (a89, b4, c3 , d20), (a89, b4, c3, d21), (a89, b4, c3, d22), (a89, b5, c1, d1), (a89, b5, c1, d2), (a89, b5, c1, d3), (a89, b5, c1, d4), (a89, b5, c1, d5), (a89, b5, c1, d6), (a89, b5, c1, d7), (a89, b5, c1, d8), (a89, b5, c1, d9), (a89, b5, c1, d10), (a89, b5, c1, d11), (a89, b5, c1, d12), (a89, b5, c1, d13), (a89, b5, c1, d14), (a89, b5, c1, d15), (a89, b5, c1, d16), (a89, b5, c1, d17), (a89, b5, c1, d18), (a89, b5, c1, d19), (a89, b5, c1, d20), (a89, b5, c1, d21), (a89, b5, c1, d22), (a89, b5, c2, d1), (a89, b5, c2, d2), (a89, b5, c2, d3), (a89, b5, c2, d4), (a89, b5, c2, d5), (a89, b5, c2, d6), (a89, b5, c2, d7), (a89, b5, c2, d8), (a89, b5, c2, d9), (a89, b5, c2, d 10), (a89, b5, c2, d11), (a89, b5, c2, d12), (a89, b5, c2, d13), (a89, b5, c2, d14), (a89, b5, c2, d15), (a89, b5, c2, d16), (a89, b5, c2, d17), (a89, b5, c2, d18), (a89, b5, c2, d19), (a89, b5, c2, d20), (a89, b5, c2, d21), (a89, b5, c2, d22), (a89, b5, c 3, d1), (a89, b5, c3, d2), (a89, b5, c3, d3), (a89, b5, c3, d4), (a89, b5, c3, d5), (a89, b5, c3, d6), (a89, b5, c3, d7), (a89, b5, c3, d8), (a89, b5, c3, d9), (a89, b5, c3, d10), (a89, b5, c3, d11), (a89, b5, c3, d12), (a89, b5, c3, d13), (a89, b5, c3, d1 4), (a89, b5, c3, d1 5), (a89, b5, c3, d16), (a89, b5, c3, d17), (a89, b5, c3, d18), (a89, b5, c3, d1 9), (a89, b5, c3, d20), (a89, b5, c3, d21), (a89, b5, c3, d22), (a89, b6, c1, d1), (a89, b6, c1, d2), (a89, b6, c1, d3), (a89, b6, c1, d4), (a89, b6, c1, d5), (a89, b6, c1, d6), (a89, b6, c1, d7), (a89, b6, c1, d8), (a89, b6, c1, d9), (a89 , b6, c1, d10), (a89, b6, c1, d11), (a89, b6, c1, d12), (a89, b6, c1, d13), (a89 , b6, c1, d14), (a89, b6, c1, d15), (a89, b6, c1, d16), (a89, b6, c1, d17), (a89 , b6, c1, d18), (a89, b6, c1, d19), (a89, b6, c1, d20), (a89, b6, c1, d21), (a8 9, b6, c1, d22), (a89, b6, c2, d1), (a89, b6, c2, d2), (a89, b6, c2, d3), (a89,

b6, c2, d4), (a89, b6, c2, d5), (a89, b6, c2, d6), (a89, b6, c2, d7), (a89, b6, c2, d8), (a89, b6, c2, d9), (a 89, b6, c2, d10), (a89, b6, c2, d11), (a89, b6, c2, d12), (a89, b6, c2, d13), (a89, b6, c2, d14), (a89, b6, c2, d15), (a89, b6, c2, d16), (a89, b6, c2, d17), (a89, b6, c2, d18), (a89, b6, c2, d19), (a89, b6, c2, d20), (a89, b6, c2, d21), (a89, b6, c2, d22) , (a89, b6, c3, d1), (a89, b6, c3, d2), (a89, b6, c3, d3), (a89, b6, c3, d4), (a89, b6, c3, d5), (a89, b6, c3, d6), (a89, b6, c3, d7), (a89, b6, c3, d8), (a89, b6, c3, d9), (a89, b6, c3, d10), (a89, b6, c3, d11), (a89, b6, c3, d12), (a89, b6, c3, d13), (a8 9, b6, c3, d14) , (a89, b6, c3, d15), (a89, b6, c3, d16), (a89, b6, c3, d17), (a89, b6, c3, d18) , (a89, b6, c3, d19), (a89, b6, c3, d20), (a89, b6, c3, d21), (a89, b6, c3, d22) , (a90, b1, c1, d1), (a90, b1, c1, d2), (a90, b1, c1, d3), (a90, b1, c1, d4), (a 9 0, b1, c1, d5), (a90, b1, c1, d6), (a90, b1, c1, d7), (a90, b1, c1, d8), (a90, b1, c1, d9), (a90, b1, c1, d10), (a90, b1, c1, d11), (a90, b1, c1, d12), (a90, b1, c1, d13), (a90, b1, c1, d14), (a90, b1, c1, d15), (a90, b1, c1, d16), (a90, b1, c1, d17), (a90 , b1, c1, d18), (a90, b1, c1, d19), (a90, b1, c1, d20), (a90, b1, c1, d21), (a90, b1, c1, d22), (a90, b1, c2, d1), (a90, b1, c2, d2), (a90, b 1, c2, d3), (a90, b1, c2, d4), (a90, b1, c2, d5), (a90, b1, c2, d6), (a90, b1, c 2, d7), (a90, b1, c2, d8), (a90, b1 , c2, d9), (a90, b1, c2, d10), (a90, b1, c2, d11), (a90, b1, c2, d12), (a90, b1, c2, d13), (a90, b1, c2, d14), (a90, b1, c2, d15), (a90, b1, c2, d16), (a90, b1, c2, d17), (a90, b1, c2, d18), (a90, b1, c2, d19), (a90, b1, c2, d20), (a90, b1, c2, d21), (a90, b1, c2, d22), (a90, b1, c3 , d1), (a90, b1, c3, d2), (a90, b1, c3, d3), (a90, b1, c3, d4), (a90, b1, c3, d5), (a90, b1, c3, d6), (a90, b1, c3, d7), (a90, b1, c3, d8), (a90, b1, c3, d9), (a90, b1, c3, d10), (a90, b1, c3, d11), (a90, b1, c3, d12), (a90, b1, c3, d13), (a90, b1, c3, d14), (a90, b1, c3, d15), (a90, b1, c3, d16), (a90, b1, c3, d17), (a90, b1, c3, d18), (a90, b1, c3, d19), (a90, b1, c3, d20), (a90, b1, c3, d21), (a90, b1, c3, d22), (a90, b2, c1, d1), (a90, b2, c1, d2), (a90, b2, c1, d3), (a90 , b2, c1, d4), (a90, b2, c1, d5), (a90, b2, c1, d6), (a90, b2, c1, d7), (a90, b 2, c1, d8), (a90, b2, c1, d9), (a90, b2, c1, d10), (a90, b2, c1, d11), (a90, b2, c1, d12), (a90, b2, c1, d13), (a90, b2, c1, d14), (a90, b2, c1, d15), (a90, b2, c1, d16), (a90, b2, c 1, d17), (a90, b2, c1, d18), (a90, b2, c1, d19), (a90, b2 , c1, d20), (a90, b2, c1, d21), (a90, b2, c1, d22), (a90, b2, c2, d1), (a90, b2, c2, d2), (a90, b2, c2, d3), (a90, b2, c2, d4), (a90, b2, c2, d5), (a90, b2, c2, d6), (a90, b2, c2, d7), (a90, b2, c2, d8), (a90, b2, c2, d9), (a90, b2, c2, d10), (a90, b2, c2, d11), (a90, b2, c2, d12), (a90, b2, c2, d13), (a90, b2, c2, d14), (a90, b2, c2, d15), (a90, b2, c2, d16), (a90, b2, c2, d17), (a90, b2, c2, d18), (a90, b2, c2, d19), (a90, b2, c2, d20), (a90, b2, c2 , d21), (a90, b2, c2, d2 2), (a90, b2, c3, d1), (a90, b2, c3, d2), (a90, b2, c3, d3), (a90, b2, c3, d4), (a90, b2, c3, d5), (a90, b2, c3, d6), (a90, b2, c3, d7), (a90, b2, c3, d8), (a90 , b2, c3, d9), (a90, b2, c3, d10), (a90, b2, c3, d11), (a90, b2, c3, d12), (a90 , b2, c3, d13), (a90, b2, c3, d14), (a90, b2, c3, d15), (a90, b2, c3, d16), (a90 , b2, c3, d17), (a90, b2, c3, d18), (a90, b2, c3, d19), (a90, b2, c3, d20), (a90 , b2, c3, d21), (a90, b2, c3, d22), (a90, b3, c1, d1), (a90, b3, c1, d2), (a90, b3, c1, d 3), (a90, b3, c1, d4), (a90, b3, c1, d5), (a90, b3, c1, d6), (a90, b3, c1, d7), (a90, b3, c1, d8), (a90, b3, c1, d9), (a90, b3, c1, d10), (a90, b3, c1 , d11), (a90, b3, c1, d12), (a90, b3, c1, d13), (a90, b3, c1, d14), (a90, b3, c1 , d15), (a90, b3, c1, d16) , (a90, b3, c1, d17), (a90, b3, c1, d18), (a90, b3, c 1, d19), (a90, b3, c1, d20), (a90, b3, c1, d21), (a90, b3, c1, d22), (a90, b3, c 2, d1), (a90, b3, c2, d2), (a90, b3, c2, d3), (a90, b3, c2, d4), (a90, b3, c2, d 5), (a90, b3, c2, d6), (a90, b3, c2, d7), (a90, b3, c2, d8), (a90, b3, c2, d9),

(a90, b3, c2, d10), (a90, b3, c2, d11), (a90, b3, c2, d12), (a90, b3, c2, d13), (a90, b3, c2, d14), (a90, b3, c2, d15), (a90, b3, c2, d16), (a90, b3, c2, d17), (a90, b3, c2, d18), (a90, b3, c2, d19), (a90, b3, c2, d20), (a90, b3, c2, d21), (a90, b3, c2, d22), (a90, b3, c3, d1), (a90, b3, c3, d2), (a90, b3, c3, d3), (a90, b3, c3, d4), (a90, b3, c3, d5), (a90, b3, c3, d6), (a90, b3, c3, d7), (a90, b3, c3, d8), (a90, b3, c3, d9), (a90, b3, c3, d10), (a90, b3, c3, d11), (a90, b3, c3, d12), (a90, b3, c3, d13), (a90, b3, c3, d14), (a90, b3, c3, d15), (a90, b3, c3, d16), (a90, b3, c3, d17), (a90, b3, c3, d18), (a90, b3, c3, d19), (a90, b3, c3, d20), (a90, b3, c3, d21), (a90, b3, c3, d22), (a90, b4, c1, d1), (a90, b4, c1, d2), (a 90, b4, c1, d3), (a90, b4, c1, d4), (a90, b4, c1, d5), (a90, b4, c1, d6), (a90, b4, c1, d7), (a90, b4, c1, d8), (a90, b4, c1, d9), (a90, b4, c1, d10), (a90, b4, c1, d11), (a90, b4, c1, d12), (a90, b4, c1, d13), (a90, b4, c1, d14), (a90, b4, c1, d15), (a90, b4, c1, d16), (a90, b4, c1, d17), (a90, b4, c1, d18), (a90, b4, c1, d19), (a90, b4, c1, d20), (a90, b4, c1, d21), (a90, b4, c1, d22), (a90, b4, c2, d1), (a90, b4, c2, d2), (a90, b4, c2, d3), (a90, b4, c2, d4), (a90, b4, c2, d5), (a90, b4, c2, d6), (a90, b 4, c2, d7), (a90, b4, c2, d8), (a90, b4, c2, d9), (a90, b4, c2, d10), (a90, b4, c2, d11), (a90, b4, c2, d12), (a90, b4, c2, d13), (a90, b4, c2, d14), (a90, b4, c2, d15), (a90, b4, c2, d16), (a90, b4, c2, d17), (a90, b4, c2, d18), (a90, b4, c2, d19), (a90, b4, c2, d20), (a90, b4, c2, d21), (a90, b4, c2, d22), (a90, b4, c3, d1), (a90, b4, c3, d2), (a90, b4, c3, d3), (a90, b4, c3, d4), (a90, b4, c3, d5), (a90, b4, c3, d6), (a90, b 4, c3, d7), (a90, b4, c3, d8), (a90, b4, c3, d9), (a90, b4, c3, d10), (a90, b4, c 3, d11), (a90, b4, c3, d12), (a90, b4, c3, d13), (a90, b4, c3, d14), (a90, b4, c3, d15), (a90, b4, c3, d16), (a90, b4, c3, d17), (a90, b4, c3, d18), (a90, b4, c3, d19), (a90, b4, c3, d20), (a90, b4, c3, d21), (a90, b4, c3, d22), (a90, b5, c1, d1), (a90, b5 , c1, d2), (a90, b5, c1, d3), (a90, b5, c1, d4), (a90, b5, c1, d5), (a90, b5, c1, d6), (a90, b5, c1, d7), (a90, b5, c1, d8), (a90, b5, c1, d9), (a90, b5, c1, d10), (a90, b5, c1, d11), (a90, b5, c1, d12), (a90, b5, c1, d13), (a90, b5, c1, d14), (a90, b5, c1 , d15), (a90, b5, c1, d16), (a90, b5, c1, d17), (a90, b5, c1, d18), (a90, b5, c1, d19), (a90, b5, c1, d20), (a90, b5, c1, d21), (a90, b5, c1, d22), (a90, b5, c2, d1), (a90, b5, c2, d2), (a90, b5, c2, d3), (a90, b5, c2, d4), (a90, b5, c2, d5), (a90, b5, c2, d6), (a90, b5, c2, d7), (a90, b5, c2, d8), (a90, b5, c2, d9), (a90, b5, c2, d10), (a90, b5, c2, d11), (a90, b5, c2, d12), (a90, b5, c2, d13), (a90, b5, c2, d14), (a90, b5, c2, d15), (a90, b5, c2, d16), (a90, b5, c2, d17), (a90, b5, c2, d18), (a90, b5, c2, d19), (a90, b5, c2, d20), (a90, b5, c2, d21), (a90, b5, c2, d22), (a90, b5, c3, d1), (a90, b5, c3, d2), (a90, b5, c3, d3), (a90, b5, c3, d4), (a90, b5, c3, d5), (a90, b5, c3, d6), (a90, b5, c3, d7), (a90, b5, c3, d8), (a90, b5, c3, d9), (a90, b5, c3, d10) , (a90, b5, c3, d11), (a90, b5, c3, d12), (a90, b5, c3, d13), (a90, b5, c 3, d14), (a90, b5, c3, d15), (a90, b5, c3, d16), (a90, b5, c3, d17), (a90, b5, c 3, d18), (a90, b5, c3, d19), (a90, b5, c3, d20), (a90, b5, c3, d21), (a90, b5, c 3, d22), (a90, b6, c1, d1), (a90, b6, c1, d2), (a90, b6, c1, d3), (a90, b6, c1, d4), (a90, b6, c1, d5), (a90, b6, c1, d6), (a90, b6, c1, d7), (a90, b6, c1, d8), (a90, b6, c1, d9), (a90, b6, c1, d10), (a90, b6, c1, d11), (a90, b6, c1, d12), (a90, b6, c1, d13), (a90, b6, c1, d14), (a90, b6, c1, d15), (a90, b6, c1, d16), (a90, b6, c1, d17), (a90, b6, c1, d18), (a90, b6, c1, d19), (a90, b6, c1, d20), (a90, b6, c1, d21), (a90, b6, c1, d22), (a90, b6, c2, d1), (a90, b6, c2, d2), (a90, b6, c2, d3), (a90, b6, c2, d4), (a90, b6, c2, d5), (a90, b6, c2, d6), (a90, b6, c2, d7), (a90, b6, c2, d8), (a90, b6, c2, d9), (a90, b6, c2, d10), (a90, b6 , c2, d11), (a90, b6, c2, d12), (a90, b6, c2, d13), (a90, b6, c2, d14), (a90, b6

, c2, d15), (a90, b6, c2, d16), (a90, b6, c2, d17), (a90, b6, c2, d18), (a90, b6, c2, d19), (a90, b6, c2, d20), (a90, b6, c2, d21), (a90, b6, c2, d22), (a90, b6, c3, d1), (a90, b6, c3, d2), (a90, b6, c3, d3), (a90, b6, c3, d4), (a90, b6, c3, d5), (a90, b6, c3, d6), (a90, b6, c3, d7), (a90, b6, c3, d8), (a90, b6, c3, d9), (a90, b6, c3, d10), (a90, b6, c3, d11), (a90, b6, c3, d12), (a90, b6, c3, d13), (a90, b6, c3, d14), (a90, b6, c3, d15), (a90, b6, c3, d16), (a90, b6, c3, d17), (a90, b6, c3, d18), (a90, b6, c3, d19), (a90, b6, c3, d20), (a90, b6, c3, d21), (a90, b6, c3, d22)

一般式（Ａ）で表される化合物においては、その光学異性体およびラセミ体も包含する。

【０１４０】

試験例１　　EGFR及びHER2に対する被験化合物の酵素阻害活性

昆虫細胞発現系から精製されたEGFR、HER2および、ビオチン化基質(グルタミン酸:チロシン=4:1の合成ペプチド)を、ATPが添加された384穴プレートに加え、室温にて酵素反応を行なった。酵素反応終了後に、ユーロピウム標識した抗リン酸化チロシン抗体とアルフィコシアニン標識したストレプトアビジンを添加し、リン酸化チロシン残基を時間分解蛍光法で定量した。

（被験化合物の調製）

被験化合物はDMSOを用いて10mMに調製した。

さらに10%DMSO溶液を用いて1mM溶液を調製し、これを最高濃度ポイントとした。

希釈系列は4倍希釈系列を10段階まで作製した。

（試薬調製）

バッファーの調製：

バッファーは、10mM $MgCl_2$, 5mM $MnCl_2$, 0.2mM Na_3VO_4, 0.1%BSAを含むTBSを用いた。

酵素：

EGFR、HER2酵素は、昆虫細胞発現系から精製したものをカルナバイオサイセンス社より購入した。

EGFR酵素溶液は、バッファーを用いて2 50ng/mlに調製した。

HER2キナーゼは、バッファーを用いて1000ng/mlに調製した。

基質溶液：

基質には、ビオチン化poly-Glu-Tyr(4:1, CISbio社製)を用いた。濃度は、上記バッファーを用いて3.125μg/mlとした。

ATP溶液：

EGFR酵素の検討でのATP濃度は、上記バッファーを用いて125μMに調製した。

HER2酵素の検討でのATP濃度は、290μMに調製した。

検出試薬：

検出試薬の調製には、30mM EDTA, 0.8M KF, 0.1% BSAを含むTBSを用いた。

ユーロピウム標識した抗リン酸化チロシン抗体、PT-66K(CISbio社)は195ng/mlにアルフィコシアニン標識したストレプトアビジン、SA-XL(CISbio社)は5μg/mlに調製した。

（アッセイ方法）

アッセイプレートには、384穴プレートを用いた。1ウェルあたり被験化合物を1.1μl、基質溶液4μl、酵素溶液4μl添加した後、ATP溶液2μlを加え酵素反応を開始した。酵素反応は室温にて60分行い、検出試薬を10μl添加して反応を終了した。反応終了の1時間後に時間分解蛍光測定を行なった。

（評価方法）

被験化合物の代わりに10%DMSOを用い、ATP添加時のシグナルを0%阻害(酵素活性100%)、ATP非存在下のシグナルを100%阻害(酵素活性0%)として、被験化合物添加時の阻害活性を算出した。

実施例に記載のEGFR及びHER2に対する阻害活性(IC_{50}値、nM)を以下に示す。

【０１４１】
【表５０】

化合物 No.	EGFR(nM)	HER2(nM)	化合物 No.	EGFR(nM)	HER2(nM)
V-6	6.5	3.6	VIII-74	164	150
V-7	36	76	VIII-75	50	34
V-43	186	151	VIII-76	162	216
VIII-7	103	348	VIII-77	217	246
VIII-10	409	484	VIII-78	111	410
VIII-11	43	45	VIII-80	23	29
VIII-12	209	227	VIII-81	9.8	17.7
VIII-13	300	888	VIII-82	7.6	7.5
VIII-19	89	115	VIII-83	164	121
VIII-20	29	31	VIII-84	44	47
VIII-27	33	43	VIII-85	32	33
VIII-28	162	167	VIII-86	244	304
VIII-29	102	513	VIII-87	642	476
VIII-32	50	46	VIII-88	47	56
VIII-35	11	25	VIII-89	27	24
VIII-40	9.3	19.2	VIII-90	93	97
VIII-41	12	15	VIII-91	74	83
VIII-42	10	11	VIII-92	32	36
VIII-44	26	6.3	VIII-93	453	321
VIII-45	58	152	VIII-94	213	150
VIII-46	82	104	VIII-95	209	176
VIII-47	12	23	VIII-96	20	20
VIII-48	44	15	VIII-97	19	22
VIII-49	28	31	VIII-98	21	21
VIII-50	19	15	VIII-99	84	84
VIII-51	45	64	VIII-100	208	203
VIII-52	19	28	VIII-101	56	129
VIII-53	79	80	VIII-102	72	121
VIII-55	19	68	VIII-103	3.9	5.6
VIII-56	7.9	13.8	VIII-104	238	202
VIII-57	301	303	VIII-105	14	14
VIII-58	207	236	VIII-106	160	148
VIII-59	115	278	VIII-107	150	135
VIII-60	54	30	VIII-108	53	56
VIII-61	30	24	VIII-109	23	18
VIII-62	22	22	VIII-110	29	35
VIII-63	9.6	9.2	VIII-111	37	55
VIII-64	52	88	VIII-112	11	13
VIII-65	97	98	VIII-113	9.7	12
VIII-66	27	43	VIII-114	57	69
VIII-67	16	14	VIII-116	37	25
VIII-68	19	25	VIII-117	47	53
VIII-69	43	28	VIII-118	197	223
VIII-70	63	31	VIII-119	81	77
VIII-71	130	199	VIII-120	33	29
VIII-72	6.3	11	VIII-121	17	18
VIII-73	275	199	VIII-122	29	24

【０１４２】

【表５１】

化合物 No.	EGFR(nM)	HER2(nM)	化合物 No.	EGFR(nM)	HER2(nM)
VIII-123	24	38	VIII-174	25	28
VIII-124	40	38	VIII-176	23	26
VIII-125	118	103	VIII-177	7.3	5.8
VIII-126	101	123	VIII-178	8.1	8.2
VIII-127	37	35	VIII-179	4.6	5
VIII-128	15	17	VIII-180	7.8	6
VIII-129	7.1	6.3	VIII-181	6.2	5.9
VIII-130	8.1	5.2	VIII-182	4.7	7.3
VIII-131	5.8	4.4	VIII-183	7.1	8.3
VIII-132	14	14	VIII-184	10	7
VIII-133	8.4	7.1	VIII-185	6.8	12.5
VIII-134	7.1	7.4	VIII-186	19	26
VIII-135	7.6	8.1	VIII-187	10	9
VIII-136	21	21	VIII-188	20	30
VIII-137	13	14	VIII-189	17	27
VIII-139	5	3.8	VIII-190	8.9	11.1
VIII-140	5.5	4.3	VIII-191	17	42
VIII-141	10	7.9	VIII-192	6.2	14.2
VIII-142	5.5	4.4	VIII-193	14	15
VIII-143	3.5	3.6	VIII-194	8.6	13
VIII-145	9.4	8.9	VIII-195	45	43
VIII-146	12	10	VIII-196	11	20
VIII-147	13	13	VIII-197	9	21
VIII-148	6.1	5.8	VIII-198	3.6	4.6
VIII-149	13	14	VIII-199	6.3	5.2
VIII-150	12	11	VIII-200	9.7	9.6
VIII-151	20	19	VIII-205	17	13
VIII-152	2.4	4.3	VIII-207	21	17
VIII-153	10	11	VIII-208	28	23
VIII-154	9.5	9	VIII-209	38	30
VIII-155	10	8	VIII-210	42	14
VIII-156	7	6.4	VIII-211	23	18
VIII-157	4.1	4	VIII-213	18	25
VIII-158	3.8	3.8	VIII-214	4.5	3.3
VIII-159	16	19	VIII-216	22	7
VIII-160	17	18	VIII-218	76	22
VIII-161	14	15	VIII-219	26	20
VIII-162	51	62	VIII-220	263	449
VIII-163	23	27	VIII-221	143	168
VIII-164	7.3	7.6	VIII-223	253	217
VIII-165	11	11	VIII-224	122	118
VIII-167	4.8	4.2	VIII-225	47	70
VIII-168	8	9	VIII-226	20	10
VIII-169	13	15	IX-1	138	203
VIII-170	5	5.6	IX-4	193	334
VIII-171	9.9	11.7	IX-6	344	326
VIII-172	14	16	IX-8	426	549
VIII-173	4.8	3.9			

【０１４３】

試験例２　　被験化合物のin vitro細胞増殖抑制試験

ヒト由来がん細胞株として、BT- 474 を用いた。細胞はすべてDulbecco’s Modified Ess

ential Medium（DMEM, ナカライテスク）に10％牛胎児血清（Fetal Bovine Serum, ICN）と50 units/mlペニシリン／50 μg/mlストレプトマイシン溶液（GIBCO）を添加した培地で37℃、5％CO_2インキュベーター内にて培養した。96穴プレート（住友ベークライト）に細胞を3000個／穴ずつ播種し、翌日薬剤を最終濃度$3x10^{-10}$－10^{-5} Mとなるように添加した。3日間培養した後WS T(water-soluble tetrazolium salt)アッセイを行い、IC_{50}値を算出した。

実施例に記載のBT-474に対する増殖阻害活性(IC_{50}値、nM)を以下に示す。

【０１４４】

【表５２】

化合物 No.	BT-474(nM)	化合物 No.	BT-474(nM)	化合物 No.	BT-474(nM)
V-6	110	VIII-75	22	VIII-124	14
V-7	134	VIII-76	12	VIII-125	10
V-43	71	VIII-77	11	VIII-126	9
VIII-7	63	VIII-78	35	VIII-127	61
VIII-10	27	VIII-80	35	VIII-128	37
VIII-11	26	VIII-81	8	VIII-129	12
VIII-12	69	VIII-82	16	VIII-130	50
VIII-13	64	VIII-83	13	VIII-131	14
VIII-20	37	VIII-84	28	VIII-132	18
VIII-27	13	VIII-85	11	VIII-133	43
VIII-28	72	VIII-86	13	VIII-134	14
VIII-29	77	VIII-87	6	VIII-135	28
VIII-32	32	VIII-88	12	VIII-136	53
VIII-35	24	VIII-89	25	VIII-137	78
VIII-40	9	VIII-90	9	VIII-139	32
VIII-41	14	VIII-91	24	VIII-140	30
VIII-42	24	VIII-92	29	VIII-141	46
VIII-44	28	VIII-93	38	VIII-142	31
VIII-45	13	VIII-94	26	VIII-143	24
VIII-46	12	VIII-95	25	VIII-145	21
VIII-47	4	VIII-96	30	VIII-146	45
VIII-48	28	VIII-97	11	VIII-147	25
VIII-49	28	VIII-98	65	VIII-148	26
VIII-50	27	VIII-99	24	VIII-149	28
VIII-51	9	VIII-100	16	VIII-150	30
VIII-52	9	VIII-101	12	VIII-151	47
VIII-53	12	VIII-102	7	VIII-152	22
VIII-55	25	VIII-103	11	VIII-153	21
VIII-56	14	VIII-104	60	VIII-154	31
VIII-57	15	VIII-105	10	VIII-155	28
VIII-58	37	VIII-106	16	VIII-156	24
VIII-59	11	VIII-107	23	VIII-157	25
VIII-60	14	VIII-108	31	VIII-158	27
VIII-61	11	VIII-109	40	VIII-159	15
VIII-62	12	VIII-110	21	VIII-160	47
VIII-63	13	VIII-111	15	VIII-161	49
VIII-64	22	VIII-112	8	VIII-162	42
VIII-65	30	VIII-113	13	VIII-163	38
VIII-66	8	VIII-114	37	VIII-164	31
VIII-67	32	VIII-116	50	VIII-165	23
VIII-68	41	VIII-117	20	VIII-167	21
VIII-69	16	VIII-118	22	VIII-168	44
VIII-70	7	VIII-119	31	VIII-169	35
VIII-71	17	VIII-120	32	VIII-170	19
VIII-72	21	VIII-121	10	VIII-171	52
VIII-73	12	VIII-122	14	VIII-172	70
VIII-74	28	VIII-123	31	VIII-173	40

【０１４５】

【表５３】

化合物 No.	BT-474(nM)	化合物 No.	BT-474(nM)	化合物 No.	BT-474(nM)
VIII-174	14	VIII-190	14	VIII-209	19
VIII-176	26	VIII-191	33	VIII-210	31
VIII-177	79	VIII-192	24	VIII-211	16
VIII-178	36	VIII-193	25	VIII-213	33
VIII-179	48	VIII-194	25	VIII-214	25
VIII-180	5	VIII-195	29	VIII-216	32
VIII-181	13	VIII-196	28	VIII-218	41
VIII-182	20	VIII-197	14	VIII-219	45
VIII-183	10	VIII-198	10	VIII-220	23
VIII-184	9	VIII-199	33	VIII-221	15
VIII-185	12	VIII-200	8	VIII-223	6
VIII-186	29	VIII-205	31	VIII-224	1.2
VIII-187	24	VIII-207	68	VIII-225	7
VIII-188	40	VIII-208	27	VIII-226	5
VIII-189	25				

【０１４６】

試験例３　　被験化合物のｉｎ vivo 抗腫瘍評価試験

NCI-N87細胞（ヒト胃癌細胞株）を雌性ヌードマウス(BALB/cA Jcl-nu/nu, 日本クレア)の乳腺部脂肪組織（mammary fat pad ）に5x10^6細胞／マウスで移植した(day 0)。Day 5に腫瘍の長径と短径をノギスで測定し、群間の腫瘍サイズが均等になるようマウスを群分けした(N=6)。0.5%メチルセルロース(MC)溶液に懸濁した被験化合物(20, 80 mg/kg)をday 5より15日間連日経口投与し、day 20における化合物投与群(T)とcontrol(C; 0.5%MC)群の腫瘍サイズの平均値の比(T/C%)によって抗腫瘍効果を表した。

化合物VIII-11のin vivo抗腫瘍評価の結果を表５４に、化合物VII I-66のin vivo抗腫瘍評価の結果を表５５に示す。

【表５４】

腫瘍サイズ平均値(mm^3)	Control 群	20 mg/kg 投与群	80 mg/kg 投与群
day 5	192	197	197
day 20	655	356	193
T/C%	100%	54%	29%

【表５５】

腫瘍サイズ平均値(mm^3)	Control 群	20 mg/kg 投与群	80 mg/kg 投与群
day 5	150	134	150
day 20	483	154	17
T/C%	100%	32%	4%

製剤例

【０１４７】

製剤例１

以下の成分を含有する顆粒剤を製造する。

成分		
	式（Ｉ）で表わされる化合物	10 mg
	乳糖	700 mg
	コーンスターチ	274 mg
	HPC-L	16 mg

1000 mg

式（Ｉ）で表わされる化合物と乳糖を６０メッシュのふるいに通す。コーンスターチを１２０メッシュのふるいに通す。これらをV型混合機にて混合する。混合末にＨＰＣ－Ｌ（低粘度ヒドロキシプロピルセルロース）水溶液を添加し、練合、造粒（押し出し造粒孔径０．５～１ｍｍ）したのち、乾燥する。得られた乾燥顆粒を振動ふるい（１２／６０メッシュ）で櫛過し顆粒剤を得る。

製剤例２

以下の成分を含有するカプセル充填用散剤を製造する。

成分	式（Ｉ）で表わされる化合物	10 mg
	乳糖	79 mg
	コーンスターチ	10 mg
	ステアリン酸マグネシウム	1 mg
		100 mg

式（Ｉ）で表わされる化合物、乳糖を６０メッシュのふるいに通す。コーンスターチは１２０メッシュのふるいに通す。これらとステアリン酸マグネシウムをV型混合機にて混合する。１０倍散１００ｍｇを５号硬ゼラチンカプセルに充填する。

製剤例３

以下の成分を含有するカプセル充填用顆粒剤を製造する。

成分	式（Ｉ）で表わされる化合物	15 mg
	乳糖	90 mg
	コーンスターチ	42 mg
	HPC-L	3 mg
		150 mg

式（Ｉ）で表わされる化合物、乳糖を６０メッシュのふるいに通す。コーンスターチを１２０メッシュのふるいに通す。これらを混合し、混合末にＨＰＣ－Ｌ溶液を添加して練合、造粒、乾燥する。得られた乾燥顆粒を整粒後、その１５０ｍｇを４号硬ゼラチンカプセルに充填する。

製剤例４

以下の成分を含有する錠剤を製造する。

成分	式（Ｉ）で表わされる化合物	10 mg
	乳糖	90 mg
	微結晶セルロース	30 mg
	CMC-Na	15 mg
	ステアリン酸マグネシウム	5 mg
		150 mg

式（Ｉ）で表わされる化合物、乳糖、微結晶セルロース、ＣＭＣ－Ｎａ（カルボキシメチルセルロース　ナトリウム塩）を６０メッシュのふるいに通し、混合する。混合末にステアリン酸マグネシウム混合し、製錠用混合末を得る。本混合末を直打し、１５０ｍｇの錠剤を得る。

製剤例５

静脈用製剤は次のように製造する：

式（Ｉ）で表わされる化合物	１００ｍｇ
飽和脂肪酸グリセリド	１０００ｍｌ

上記成分の溶液は通常、１分間に１ｍｌの速度で患者に静脈内投与される。

【産業上の利用可能性】

【０１４８】

本発明化合物は、優れたＥＧＦ受容体およびＨＥＲ２の阻害作用を有し、安全性も高いことから、医薬品、とりわけ癌に対する治療剤として有用である。

フロントページの続き

(51)Int.Cl.		FI	
Ａ６１Ｐ 35/00	*(2006.01)*	Ａ６１Ｐ 35/00	
Ａ６１Ｐ 43/00	*(2006.01)*	Ａ６１Ｐ 43/00	１１１
Ｃ０７Ｄ 405/12	*(2006.01)*	Ｃ０７Ｄ 405/12	
Ｃ０７Ｄ 417/12	*(2006.01)*	Ｃ０７Ｄ 417/12	
Ａ６１Ｋ 31/541	*(2006.01)*	Ａ６１Ｋ 31/541	

(72)発明者 大森 直樹
大阪府大阪市福島区鷺洲５丁目１２番４号 塩野義製薬株式会社内
(72)発明者 高山 正己
大阪府大阪市福島区鷺洲５丁目１２番４号 塩野義製薬株式会社内
(72)発明者 大森 愛子
大阪府大阪市福島区鷺洲５丁目１２番４号 塩野義製薬株式会社内
(72)発明者 遠藤 毅
大阪府大阪市福島区鷺洲５丁目１２番４号 塩野義製薬株式会社内

審査官 伊藤 幸司

(56)参考文献 国際公開第９８／００２４３４（WO，Ａ１）
国際公開第２００４／０２６３０７（WO，Ａ１）

(58)調査した分野(Int.Cl.，ＤＢ名)
A61K
C07D
CAPLUS(STN)
REGISTRY(STN)
MEDLINE(STN)
BIOSIS(STN)
EMBASE(STN)