

Scan A6877  
etc

R G Wilson

Tables of A6884,  
A6885, A6887

2 pages, 3 ~~pages~~

Jan 23 1989

574

A6884

A6885 → 6877

Order

~~710 712~~  
Number

Ulam(  
Number)

MSA( )

~~710 712~~  
Maximum

Maximum  
occurs @

Order	Number	Ulam( Number )	MSA( )	Maximum	Maximum occurs @
0	0	0	0	0	0
1	1 *	0	0	1	0
2	2 *	1	1	2	0
3	3 *	7	4	16	3
4	7 *	16	7	52	5
5	15	17	7	160	7
6	27 *	111	59	9232	77
7	255	47	13	13120	15
8	447 *	97	40	39364	53
9	639	131	23	41524	25
10	703 *	170	81	250504	82
11	1819	161	61	1276936	50
12	4255	201	70	6810136	85
13	4591	170	65	8153620	59
14	9663	184	54	27114424	48
15	20895	255	72	50143264	87
16	26623 *	307	65	106358020	63
17	31911	160	59	121012864	76
18	60975 *	334	127	593279152	116
19	77671	231	105	1570824736	71
20	113383	247	110	2482111348	120
21	138367	162	59	2798323360	71
22	159487	183	72	17202377752	66
23	270271	406	164	24648077896	211
24	665215 *	441	140	52483285312	144
25	704511	242	73	56991483520	69
26	1042431	439	170	90239155648	224
27	1212415	328	105	139646736808	84
28	1441407	367	149	151629574372	141
29	1875711	370	97	155904349696	131
30	1988859	427	135	156914378224	144
31	2643183	430	183	190459818484	201
32	2684647	399	99	352617812944	120
33	3041127	363	99	622717901620	78
34	3873535	322	124	858555169576	127
35	4637979 *	573	156	1318802294932	168
36	5656191	400	200	2412493616608	170
37	6416623	483	140	4799996945368	133
38	6631675	576	222	60342610919632	163
39	19638399	606	264	306296925203752	338
40	38595583	483	181	474637698851092	191
41	80049391	572	243	2185143829170100	164
42	120080895	438	203	3277901576118580	164
43	210964383	475	238	6404797161121264	275
44	319804831	592	262	1414236446719942480	167
45	1410123943	770	362	7125885122794452160	340

\* are the wondrous nbers.

R G Wilson

23 Jan 1989

JK

First Occurrence for '3K+1' problem of M steps  
 \* are Wondrous Nbrs. ~~190009~~

6877



M	M	M+1	M+2	M+3	M+4
0	0 or 1	2 *	4	8	5
5	3 *	6 *	12	24	17
10	11	7 *	14	9 *	18 *
15	36	25 *	49	33	65
20	43	86	57	39	78
25	153	105	203	135	270
30	185	123	246	169	329
35	219	159	295	569	379
40	283	505	377	251	167
45	111	222	444	297	593
50	395	263	175	350	233
55	155	103	206	137	91
60	182	121	242	161	107
65	71	47	31	62 *	41
70	27 *	54 *	108	73 *	145
75	97 *	193	129 *	257	171 *
80	342	231 *	457	313 *	609
85	411	811	543	1081	731
90	487	327 *	649 *	1287	859
95	1707	1145	763	1519	1017
100	2023	1351	2697	1801	1215
105	2375	1583	1055	703 *	1406
110	937	1874	1249	871 *	1665
115	1161 *	2223 *	4347	3097	5921
120	3947	2631	5262	3567	7017
125	4763	3175	6319	4233	8315
130	5543	3695	2463 *	4926	9852
135	6569	4379	2919 *	5838	11676
140	7785	15131	10087	6919	13449
145	9225	18450	12527	8351	5567
150	3711 *	7422	14831	9887	6591
155	13182	8959	17577	11945	7963
160	15623	10415	6943	13886	9257
165	6171 *	12342	24684	16457	10971 *
170	21942	14695	29257	19593	13255 *
175	26471	17647 *	34719	23529 *	45055
180	31419	60073	40959	80097	56487
185	107065	73063	48927	96383	64255
190	126575	84383	56255	37503	26623 *
195	51359	34239 *	67691	45127	89119
200	60169	118825	80225	53483	35655 *
205	71310	140479	95081	63387	123391
210	87087	60975	118187	78791	52527 *
215	100167	192751	129991	257001	173321
220	115547	77031 *	154062	106239 *	205417
225	146599	273889	189855	362343	254911
230	180463	336199	225023	150015	298843
235	206847	142587 *	285174	508969	351359
240	234239	156159 *	312318	216367 *	401151
245	277615	555230	370153	740306	493537