

Chase Times																				
Doctors																				
10k					100k					500k					1m					
Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	
10000	10000	10000	10000	10000	100000	100000	100000	100000	100000	500000	500000	500000	500000	500000	1000000	1000000	1000000	1000000	1000000	
ChaseFUN		0.35				0.62					1.49					2.58				
DEMo	686.00	31.00	4.14	691.00		1777.00														
DLV		0.54				2.68					13.06					26.98				
Graal		13.71				1936.96														
Llunatic	12.63	0.08	2.37	15.78	0.22	19.56	0.35	2.75	23.70	1.30	34.76	1.64	3.86	39.82	5.18	55.96	3.32	5.11	62.00	10.00
PDQ	13.55	12.00	2.06			1220.00	388.00	4.06				977.00				1622.00				
RDFox	0.18	0.11	0.33	0.90	0.10	0.81	0.46	1.53	2.03	0.97	3.73	2.26	6.57	10.12	5.88	7.53	4.57	13.01	21.59	13.41

DoctorsFD																				
10k					100k					500k					1m					
Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	
10000	10000	10000	10000	10000	100000	100000	100000	100000	100000	500000	500000	500000	500000	500000	1000000	1000000	1000000	1000000	1000000	
ChaseFUN	0.46		0.66	1.00		0.83		1.14	2.00		1.97		3.17	5.00		3.55		5.75	9.00	
DEMo	658.00	31.00	4.09	665.00				1777.00												
DLV		0.56						2.69				13.03					27.05			
Graal		13.71						1936.96												
Llunatic	1.60	0.07	2.73	4.74	0.26	2.02	0.37	3.04	5.59	1.41	3.99	1.77	4.32	8.46	5.54	6.48	3.52	6.64	13.78	11.22
PDQ	14.50	12.00	2.66			1258.00	388.00	4.14				977.00				1622.00				
RDFox	0.21	0.13	0.33	0.90	0.10	0.81	0.46	1.60	2.03	0.97	3.73	2.27	6.39	10.15	5.85	7.49	4.56	12.67	20.77	13.23

LUBM																				
001					010					100					01k					
Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	
90000	90000	90000	90000	90000	1000000	1000000	1000000	1000000	1000000	12000000	12000000	12000000	12000000	12000000	120000000	120000000	120000000	120000000	120000000	
ChaseFUN		0.54				2.29					22.17					906.51				
DEMo	503.00	127.00	3.44	512.00																
DLV		1.78		3.00				19.04	28.00			197.10		304.00						
Graal	9.73	4.44	3.37	14.90	0.90	162.00	59.02	27.00	188.56	7.44										
Llunatic	2.67	0.13	4.03	8.29	0.29	10.79	0.95	13.13	24.31	2.69	107.35	9.47	129.21	237.44	19.56	1415.53	117.82	1543.17	2739.29	214.71
PDQ		410.00						1276.00												
RDFox	0.19	0.07	0.68	1.06	0.06	1.12	0.39	4.59	6.63	0.37	10.34	3.65	57.03	77.04	3.96					

iBench										
STB-128					Ont-256					
Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	
STB-128	STB-128	STB-128	STB-128	STB-128	Ont-256	Ont-256	Ont-256	Ont-256	Ont-256	
ChaseFUN		5.46				10.23				
DLV		48.59				118.01				
Graal		160.38				566.46				
Llunatic	10.10	2.16	39.31	50.08	1.92	257.12	5.34	108.55	366.18	0.82
PDQ		1088.00				1045.00				
RDFox	10.73	6.65	14.22	27.19	0.81	35.27	18.73	40.87	82.71	0.29

Deep															
100.00					200.00					300.00					
Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	Chase	Chase ST-TGDs	Import/Exp	Total time	Query	
100	100	100	100	100	200	200	200	200	200	300	300	300	300	300	
ChaseFUN		4.73				4.50					4.31				
DLV		0.67	1.00			0.65		22.00			0.67				
Graal	2.98	0.53	2.00	4.98	0.02	192.00	0.52	7.61	199.61	0.39					
Llunatic	12.13	1.90	18.96	31.83	0.17	19.25	1.86	21.51	41.59	0.41	2805.48	2.79	770.15	3576.85	253.16
PDQ	11.82		106.51	118.33	0.05										
RDFox	9.49	8.93	0.47	10.98	0.02	15.23	9.03	4.41	20.96	0.04		8.86			

Unsupported
 Timeout

Query Answering Times		
	Doctors	DoctorsFD
	10k	10k
E	399,00	383,00
Llunatic	138,05	38,63
RDFox	6,96	7,02

LUBM			
	001	010	100
DLV	31,00	356,00	3960,00
Graal	176,32	2479,28	
Llunatic	95,42	267,31	2393,79
RDFox	9,26	66,47	653,21

Deep		
	100	200
DLV	16,00	184,00
E	79,00	
Graal	62,82	3843,99
Llunatic	609,39	783,85
PDQ	1566,79	
RDFox	212,64	333,78