

Table A 2: Experiment1-LUBM with simple meta-queries (execution times in seconds)

	mq1	mq4	mq5	mq10
LUBM(1)				
LogicBlox	92.99	93.07	92.88	92.13
RDFox	2.840	2.370	2.370	2.360
XSB	0.190	0.000	0.070	0.070
NoHR	65.300	49.530	54.690	54.000
Clingo	0.110	0.110	0.110	0.110
DLV2	0.110	0.110	0.110	0.110
DLVHex	9.890	7.210	7.770	7.230
HexLite	OOT	2.980	OOT	100.580
Alpha	93.460	95.260	96.510	100.760
LUBM(9)				
LogicBlox	OOM	OOM	OOM	OOM
RDFox	49.410	50.640	52.700	50.570
XSB	18.770	18.300	19.750	18.800
NoHR	OOT	OOT	OOT	OOT
Clingo	1.330	1.320	1.330	1.330
DLV2	1.150	1.090	1.130	1.090
DLVHex	534.930	387.270	407.170	386.420
HexLite	OOT	632.930	OOT	OOT
Alpha	OOM	OOM	OOM	OOM

Table A 3: Experiment1-LUBM-ext with meta-queries (execution times in seconds)

	sq1	sq2
LUBM(1)-ext		
LogicBlox	94.82	93.00
RDFox	2.370	2.390
XSB	6.000	0.080
NoHR	56.290	54.590
Clingo	0.110	0.110
DLV2	0.120	0.110
DLVHex	7.750	7.760
HexLite	241.700	50.720
Alpha	96.290	94.200
LUBM(9)-ext		
LogicBlox	OOM	OOM
RDFox	50.530	49.540
XSB	40.680	18.130
NoHR	OOT	OOT
Clingo	1.320	1.320
DLV2	1.100	0.980
DLVHex	704.490	704.750
HexLite	OOT	OOT
Alpha	OOM	OOM

Table A 5: Experiment2-LUBM with standard-queries (execution times in seconds)

	q1	q2	q3	q5	q6	q7	q9	q10	q11	q12	q13	q14
LUBM(1)												
LogicBlox	92.92	90.55	90.61	92.46	92.91	94.68	94.37	92.52	93.86	93.42	92.3	94.21
RDFox	2.41	2.4	2.36	2.37	2.36	2.37	2.59	2.59	2.42	2.35	2.54	2.37
XSB	0.08	4.2	0.07	0.06	0.07	0.81	31.43	0.08	0.07	0.08	0.07	0.07
NoHR	51.98	57.58	55.36	57.66	56.2	53.48	126.7	54.82	57.84	58.77	56.37	56.19
Clingo	0.1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
DLV2	0.12	0.11	0.11	0.12	0.11	0.11	0.12	0.12	0.11	0.11	0.11	0.12
DLVHex	7.3	8.84	7.26	7.75	7.77	7.26	7.25	7.26	7.83	7.2	9.88	7.84
HexLite	36.3	2.93	48.63	OOT	OOT	453.79	94.25	36.18	74.65	16.87	16.9	OOT
Alpha	96.07	96.81	96.46	94.15	104.5	95.53	105.6	97.41	88.63	102	94.14	91.79
LUBM(9)												
LogicBlox	1091.11	1050.66	1116.33	1050.21	1056.76	1130.51	1063.32	1077.76	1135.56	1063.66	1154.39	1142.95
RDFox	51.85	51.79	50.68	49.58	49.68	49.53	50.74	51.93	51.73	49.46	49.53	50.75
XSB	16.6	519.47	17.13	17.67	17.16	66.59	OOT	17.25	16.52	17.69	17.08	17.18
NoHR	OOT	OOT	OOT	OOT	OOT	OOT	OOT	OOT	OOT	OOT	OOT	OOT
Clingo	1.32	1.32	1.32	1.33	1.33	1.32	1.33	1.32	1.32	1.33	1.33	1.33
DLV2	0.96	0.97	0.98	0.86	0.96	0.94	0.96	0.98	0.96	0.97	0.96	0.95
DLVHex	386.31	384.85	384.86	388.87	412.19	385.95	397.48	385.77	386.09	384.82	384.86	406.65
HexLite	631.31	28.71	961.19	OOT	OOT	OOT	OOT	630.04	OOT	1692.5	224.57	OOT
Alpha	547.32	534.45	566.16	554.59	542.26	572.3	577.5	582.69	610.61	540.2	544.85	558.06

Table A 6: Experiment2-LUBM with simple meta-queries (execution times in seconds)

	mq1	mq4	mq5	mq10
LUBM(1)				
LogicBlox	93.95	92.21	92.26	93.09
RDFox	2.38	2.41	2.37	2.59
XSB	0.19	0	0.07	0.07
NoHR	64.28	52.37	55.46	59.05
Clingo	0.11	0.1	0.11	0.1
DLV2	0.12	0.12	0.12	0.11
DLVHex	9.89	7.26	7.83	7.24
HexLite	OOT	2.94	OOT	101.56
Alpha	101.05	90.95	95.99	95.55
LUBM(9)				
LogicBlox	1122.21	1156.2	1168.95	1140.84
RDFox	49.54	49.6	49.54	49.51
XSB	17.16	16.62	18.21	16.63
NoHR	OOT	OOT	OOT	OOT
Clingo	1.33	1.32	1.28	1.32
DLV2	1.03	0.97	1.01	0.97
DLVHex	539.97	385.85	410.25	387.26
HexLite	OOT	635.33	OOT	OOT
Alpha	556.62	596.96	576.99	535.58

Table A 7: Experiment2-LUBM-ext with meta-queries (execution times in seconds)

	sql1	sql2
LUBM(1)-ext		
LogicBlox	92.84	91.88
RDFox	2.38	2.38
XSB	0.07	0.07
NoHR	57	56.4
Clingo	0.11	0.11
DLV2	0.1	0.11
DLVHex	7.78	7.79
HexLite	243.85	50.93
Alpha	92.91	94.21
LUBM(9)-ext		
LogicBlox	1138.65	1074.2
RDFox	49.41	49.56
XSB	17.15	17.16
NoHR	OOT	OOT
Clingo	1.33	1.33
DLV2	0.97	1.01
DLVHex	700.97	706.53
HexLite	OOT	1591.73
Alpha	530.09	533.14

