

for ULSA, and for NuMVC is the equivalent required independent set size; for all instances except frb100-40 the indicated Target requires perfect solutions.

Each method is run 100 times on each instance, and 100

Instance	Target	NuMVC		ULSA	
		Iterations	Time (s)	Iterations	Time (s)
frb40-19-1	40	205831	0.16	25921	0.01
frb40-19-2	40	3668573	2.74	473473	0.07
frb40-19-3	40	873459	0.65	254746	0.04
frb40-19-4	40	2602852	1.94	1210809	0.17
frb40-19-5	40	7830157	5.84	3334878	0.45
frb45-21-1	45	1993837	1.77	661451	0.10
frb45-21-2	45	4377381	3.86	1817130	0.26
frb45-21-3	45	9277665	8.16	3587173	0.50
frb45-21-4	45	2718138	2.40	454525	0.07
frb45-21-5	45	7712590	6.81	6581368	0.93
frb50-23-1	50	21863585	22.67	5773150	0.83
frb50-23-2	50	127828690	133.13	24751652	3.57
frb50-23-3	50	348131684	362.37	209047771	30.06
frb50-23-4	50	5572256	5.81	683894	0.11
frb50-23-5	50	16190769	16.79	568476	0.09
frb53-24-1	53	744855652	840.84	146679577	21.31
frb53-24-2	53	120712887	136.34	103704282	14.93
frb53-24-3	53	25652046	28.98	3016649	0.45
frb53-24-4	53	152974941	173.00	24812439	3.63
frb53-24-5	53	24413503	27.59	4122454	0.62
frb56-25-1	56	319912278	387.75	198415701	29.33
frb56-25-2	56	390181420	473.64	290399706	42.77
frb56-25-3	56	63685811	77.27	10637855	1.56
frb56-25-4	56	23537869	28.59	15215815	2.27
frb56-25-5	56	13686349	16.56	1611838	0.25
frb59-26-1	59	827709031	1079.55	187448484	27.76
frb59-26-2	59	2309186751	3009.04	236516360	35.06
frb59-26-3	59	389945144	508.30	62055067	9.21
frb59-26-4	59	535848770	699.94	215800597	32.31
frb59-26-5	59	30809115	40.12	2429727	0.38
frb100-40	97	357808999	1022.87	17971765	3.20