		ANLS		MS_H	euristic		CS			GRASP		СР	LEX		ABC	WITH Enhand	cement	
Instance	Best	Average	Time	Best	Time	Best	Average	Time	Best	Average	Time	Best	Time	Best	Average	Standard Deviation	Gap (%)	Time(s)
30_2_0_0_85	3700	3700	12.333	3700	0.000	3700	3700	0.009	3700	3700	0.007	3700	0	3700	3700	0	0	2.28
30_2_0_1_85	5100	5100	9.000	4630	0.000	5090	5090	0.018	5090	5090	0.016	5100	0	5090	5090	0	0.19	2.51
30_2_0_2_85	5210	5210	4.667	4780	0.000	5210	5210	0.016	5210	5210	0.015	5210	0	5210	5210	0	0	2.63
30_2_0_2_95	4520	4520	11.333	4470	0.000	4520	4520	0.015	4520	4520	0.013	4520	0	4520	4520	0	0	2.85
30_3_0_0_85	5390	5390	5.000	5210	0.000	5390	5390	0.025	5390	5390	0.025	5390	0	5390	5390	0	0	3.17
30_3_0_1_85	5390	5390	3.000	5210	0.000	5390	5390	0.024	5390	5390	0.024	5390	0	5390	5390	0	0	3.30
30_3_0_1_95	5270	5270	44.667	5080	0.000	5240	5240	0.024	5240	5240	0.024	5270	6	5260	5244	8	0.18	3.15
30_3_0_2_85	5390	5390	3.667	5210	0.000	5390	5390	0.023	5390	5390	0.022	5390	1	5390	5390	0	0	3.29
30_3_0_2_95	5390	5390	3.667	5230	0.000	5390	5390	0.027	5390	5390	0.023	5390	0	5390	5390	0	0	3.25
30_4_0_1_95	5390	5390	8.333	5260	0.000	5390	5390	0.026	5390	5390	0.022	5390	0	5390	5390	0	0	3.96
30_5_0_0_95	5330	5330	288.667	5210	0.000	5330	5317.6	0.041	5330	5312.8	0.032	5330	13	5330	5314	22.44	0	4.62
30_6_0_0_95	5410	5410	62.333	5390	0.000	5410	5391	0.037	5390	5390	0.029	5410	1	5410	5391.33	4.98	0	5.47

		ANLS		MS_He	uristic		CS			GRASP		CPL	EX		ABC WI	TH Enhance	ment	
Instance	Best	Average	Time	Best	Time	Best	Average	Time	Best	Average	Time	Best	Time	Best	Average	Standard Deviation	Current Gap (%)	Time(s)
324_10_0_0_85	37180	37180	1255.333	37081	0.220	37173	37163.2	3.460	37157	37155.8	2.24	37180	13	37172	37161.60	5.49	0.02	38.28
324_10_0_0_95	21460	21460	865.667	21386	0.140	21455	21447.2	3.160	21446	21441.2	2.05	21460	9	21456	21450.60	3.97	0.01	46.60
324_10_0_1_85	51000	51000	1435.000	50750	0.200	50948	50946.3	3.410	50948	50946.3	2.30	51000	22	50944	50919.50	22.57	0.10	44.64
324_10_0_1_95	35360	35360	857.000	35250	0.160	35359	35354.6	3.170	35339	35336.5	2.06	35360	14	35357	35355.90	1.70	0.08	36.35
324_10_0_2_85	59740	59740	987.667	59598	0.200	59693	59688.5	3.330	59693	59688.5	2.24	59740	22	59666	59644.50	12.31	0.12	35.80
324_20_0_0_85	74360	74357.7	6191.667	73981	0.830	74165	74106.7	9.710	74165	74106.0	4.80	74360	198	74188	74039.10	89.77	0.23	96.91
324_20_0_0_95	42920	42919.7	3936.333	42714	0.730	42840	42804.9	9.370	42813	42792.2	4.24	42920	22	42852	42835.50	12.04	0.15	77.06
324_20_0_1_85	101978	101974	7212.667	100628	1.020	101374	101177.4	9.070	101374	101177.4	4.88	102000	612	101045	100600.10	273.21	0.93	105.92
324_20_0_1_95	70720	70720	4417.333	70368	0.740	70656	70628.2	9.060	70561	70529.8	4.43	70720	55	70762	70641.20	11.26	0.05	102.59
324_20_0_2_85	119455	119447.3	6388.000	118451	0.770	118771	118613.6	8.990	118771	118613.6	4.86	119740	10804	118193	117927.40	169.44	1.29	97.45
324_20_0_2_95	90780	90780	6667.333	90424	0.810	90556	90521.2	9.400	90550	90518.9	4.64	90780	74	90604	90529.90	50.54	0.19	68.40

		ANLS		MS_He	euristic		CS			GRASP		CPLE	ΞX		ABC WI	TH Enhancer	nent	
Instance	Best	Average	Time	Best	Time	Best	Average	Time	Best	Average	Time	Best	Time	Best	Average	Standard Deviation	Gap (%)	Time(s)
818_10_0_0_95	21460	21460	6818	21429	4.94	21460	21459.9	11.23	21459	21458.3	6.30	21460	557	21460	21460	0	0	60.37
818_10_0_1_95	35360	35360	10407	35339	13.05	35360	35360	11.54	35360	35360	6.65	35360	657	35360	35359	1.54	0	61.82
818_10_0_2_95	45390	45390	7400	45375	12.09	45390	45390	12.17	45389	45388.2	6.97	45390	648	45390	45389.40	0.80	0	62.96
818_20_0_0_85	74360	74360	17183.67	74313	75.05	74360	74359.8	66.81	74353	74352.1	16.27	74360	785	74360	74355	3.92	0	102.90
818_20_0_0_95	42920	42920	9890.33	42793	25.67	42920	42918.9	54.84	42903	42900	14.51	42920	562	42918	42917.10	0.53	0.004	96.32
818_20_0_1_85	102000	102000	16602	101933	76.06	102000	101998.9	67.36	101996	101991.9	19.24	102000	1491	102000	101990.80	10.21	0	103.511
818_20_0_1_95	70720	70720	16880.67	70644	37.03	70720	70719.2	62.91	70717	70715.1	16.90	70720	610	70720	70717.80	1.77	0	96.18
818_20_0_2_85	119480	119480	19074.67	119397	105.48	119480	119477.6	74.36	119468	119466	21.26	119480	1579	119479	119472.20	13.15	0.0008	104.08
818_20_0_2_95	90780	90780	14622.67	90730	75.19	90780	90779.6	66.80	90772	90769.5	19.18	90780	841	90780	90774.20	4.48	0	102.11
818_50_0_0_85	185637	185587.7	24094.33	185426	756.72	185880	185775.6	364.20	1857791	185755.8	50.62	185900	2956	185855	185801	59.16	0.02	339.63
818_50_0_1_85	254996	254987.3	23978	254509	730.20	254985	254905.0	387.37	254860	254836.6	58.37	255000	6332	254934	254868.50	61.11	0.02	360.95
818_50_0_2_85	298692	298648.3	23978	298217	757.73	298582	298517.6	392.29	2988547	298511.2	63.58	298700	4435	298548	298344.50	114.98	0.05	390.01