

Instance	cplex		heuristique	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?
input.txt	0.01	×	2.35	×
input2.txt	0.0	×	0.1	×
input3.txt	0.02	×	0.8	×
input4.txt	4.04	×	0.1	×
puzzle_size10_1.txt	3.29	×	17.53	
puzzle_size10_10.txt	0.06	×	0.06	×
puzzle_size10_2.txt	0.05	×	16.22	
puzzle_size10_3.txt	0.05	×	15.13	
puzzle_size10_4.txt	0.02	×	0.02	×
puzzle_size10_5.txt	0.05	×	16.3	
puzzle_size10_6.txt	0.01	×	16.61	
puzzle_size10_7.txt	0.03	×	17.36	
puzzle_size10_8.txt	0.02	×	16.94	
puzzle_size10_9.txt	0.01	×	15.89	
puzzle_size11_1.txt	0.45	×	19.37	
puzzle_size11_10.txt	0.18	×	15.99	
puzzle_size11_2.txt	0.01	×	16.49	
puzzle_size11_3.txt	0.02	×	18.41	
puzzle_size11_4.txt	0.09	×	15.48	
puzzle_size11_5.txt	0.08	×	15.25	
puzzle_size11_6.txt	0.06	×	18.35	
puzzle_size11_7.txt	0.86	×	15.83	
puzzle_size11_8.txt	0.19	×	15.3	
puzzle_size11_9.txt	0.01	×	18.49	
puzzle_size12_1.txt	0.13	×	17.23	
puzzle_size12_10.txt	0.01	×	15.12	
puzzle_size12_2.txt	0.04	×	19.98	
puzzle_size12_3.txt	0.2	×	22.35	
puzzle_size12_4.txt	0.34	×	18.76	

Instance	cplex		heuristique	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?
puzzle_size12_5.txt	0.05	×	16.57	
puzzle_size12_6.txt	0.02	×	16.62	
puzzle_size12_7.txt	0.24	×	18.38	
puzzle_size12_8.txt	0.14	×	20.48	
puzzle_size12_9.txt	0.04	×	16.56	
puzzle_size5_1.txt	0.02	×	0.05	×
puzzle_size5_10.txt	0.04	×	0.91	×
puzzle_size5_2.txt	0.01	×	0.0	×
puzzle_size5_3.txt	0.04	×	0.8	×
puzzle_size5_4.txt	0.02	×	0.0	×
puzzle_size5_5.txt	0.01	×	0.12	×
puzzle_size5_6.txt	0.02	×	0.15	×
puzzle_size5_7.txt	0.01	×	0.0	×
puzzle_size5_8.txt	0.06	×	0.58	×
puzzle_size5_9.txt	0.06	×	0.0	×
puzzle_size6_1.txt	0.01	×	0.0	×
puzzle_size6_10.txt	0.03	×	0.74	×
puzzle_size6_2.txt	0.04	×	4.65	×
puzzle_size6_3.txt	0.03	×	1.19	×
puzzle_size6_4.txt	0.3	×	0.32	×
puzzle_size6_5.txt	0.02	×	0.19	×
puzzle_size6_6.txt	0.06	×	6.55	×
puzzle_size6_7.txt	0.04	×	2.95	×
puzzle_size6_8.txt	0.04	×	7.91	×
puzzle_size6_9.txt	0.03	×	1.3	×
puzzle_size7_1.txt	0.02	×	14.43	×
puzzle_size7_10.txt	0.01	×	9.3	×
puzzle_size7_2.txt	0.12	×	6.12	×
puzzle_size7_3.txt	0.04	×	15.06	
puzzle_size7_4.txt	0.08	×	15.1	

Instance	cplex		heuristique	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?
puzzle_size7_5.txt	0.01	×	15.23	
puzzle_size7_6.txt	0.02	×	2.75	×
puzzle_size7_7.txt	0.02	×	5.02	×
puzzle_size7_8.txt	0.02	×	15.09	
puzzle_size7_9.txt	0.01	×	0.88	×
puzzle_size8_1.txt	0.11	×	15.06	
puzzle_size8_10.txt	0.1	×	11.41	×
puzzle_size8_2.txt	0.04	×	15.65	
puzzle_size8_3.txt	0.01	×	15.9	
puzzle_size8_4.txt	0.01	×	15.42	
puzzle_size8_5.txt	0.02	×	17.86	
puzzle_size8_6.txt	0.01	×	15.69	
puzzle_size8_7.txt	0.04	×	15.56	
puzzle_size8_8.txt	0.01	×	16.03	
puzzle_size8_9.txt	0.05	×	15.43	
puzzle_size9_1.txt	0.13	×	15.1	
puzzle_size9_10.txt	0.06	×	15.53	
puzzle_size9_2.txt	0.02	×	15.61	
puzzle_size9_3.txt	1.76	×	16.16	
puzzle_size9_4.txt	0.02	×	16.54	
puzzle_size9_5.txt	0.02	×	16.46	
puzzle_size9_6.txt	0.01	×	15.42	
puzzle_size9_7.txt	0.01	×	16.26	
puzzle_size9_8.txt	0.02	×	15.8	
puzzle_size9_9.txt	0.1	×	16.67	
input.txt	0.01	×	2.35	×
input2.txt	0.0	×	0.1	×
input3.txt	0.02	×	0.8	×
input4.txt	4.04	×	0.1	×
puzzle_size10_1.txt	3.29	×	17.53	

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	Temps (s)	Optimal ?	Temps (s)	Optimal ?
puzzle_size10_10.txt	0.06	×	0.06	×
puzzle_size10_2.txt	0.05	×	16.22	
puzzle_size10_3.txt	0.05	×	15.13	
puzzle_size10_4.txt	0.02	×	0.02	×
puzzle_size10_5.txt	0.05	×	16.3	
puzzle_size10_6.txt	0.01	×	16.61	
puzzle_size10_7.txt	0.03	×	17.36	
puzzle_size10_8.txt	0.02	×	16.94	
puzzle_size10_9.txt	0.01	×	15.89	
puzzle_size11_1.txt	0.45	×	19.37	
puzzle_size11_10.txt	0.18	×	15.99	
puzzle_size11_2.txt	0.01	×	16.49	
puzzle_size11_3.txt	0.02	×	18.41	
puzzle_size11_4.txt	0.09	×	15.48	
puzzle_size11_5.txt	0.08	×	15.25	
puzzle_size11_6.txt	0.06	×	18.35	
puzzle_size11_7.txt	0.86	×	15.83	
puzzle_size11_8.txt	0.19	×	15.3	
puzzle_size11_9.txt	0.01	×	18.49	
puzzle_size12_1.txt	0.13	×	17.23	
puzzle_size12_10.txt	0.01	×	15.12	
puzzle_size12_2.txt	0.04	×	19.98	
puzzle_size12_3.txt	0.2	×	22.35	
puzzle_size12_4.txt	0.34	×	18.76	
puzzle_size12_5.txt	0.05	×	16.57	
puzzle_size12_6.txt	0.02	×	16.62	
puzzle_size12_7.txt	0.24	×	18.38	
puzzle_size12_8.txt	0.14	×	20.48	
puzzle_size12_9.txt	0.04	×	16.56	
puzzle_size5_1.txt	0.02	×	0.05	×

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	Temps (s)	Optimal ?	Temps (s)	Optimal ?
puzzle_size5_10.txt	0.04	×	0.91	×
puzzle_size5_2.txt	0.01	×	0.0	×
puzzle_size5_3.txt	0.04	×	0.8	×
puzzle_size5_4.txt	0.02	×	0.0	×
puzzle_size5_5.txt	0.01	×	0.12	×
puzzle_size5_6.txt	0.02	×	0.15	×
puzzle_size5_7.txt	0.01	×	0.0	×
puzzle_size5_8.txt	0.06	×	0.58	×
puzzle_size5_9.txt	0.06	×	0.0	×
puzzle_size6_1.txt	0.01	×	0.0	×
puzzle_size6_10.txt	0.03	×	0.74	×
puzzle_size6_2.txt	0.04	×	4.65	×
puzzle_size6_3.txt	0.03	×	1.19	×
puzzle_size6_4.txt	0.3	×	0.32	×
puzzle_size6_5.txt	0.02	×	0.19	×
puzzle_size6_6.txt	0.06	×	6.55	×
puzzle_size6_7.txt	0.04	×	2.95	×
puzzle_size6_8.txt	0.04	×	7.91	×
puzzle_size6_9.txt	0.03	×	1.3	×
puzzle_size7_1.txt	0.02	×	14.43	×
puzzle_size7_10.txt	0.01	×	9.3	×
puzzle_size7_2.txt	0.12	×	6.12	×
puzzle_size7_3.txt	0.04	×	15.06	
puzzle_size7_4.txt	0.08	×	15.1	
puzzle_size7_5.txt	0.01	×	15.23	
puzzle_size7_6.txt	0.02	×	2.75	×
puzzle_size7_7.txt	0.02	×	5.02	×
puzzle_size7_8.txt	0.02	×	15.09	
puzzle_size7_9.txt	0.01	×	0.88	×
puzzle_size8_1.txt	0.11	×	15.06	

Instance	cplex		heuristique	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?
puzzle_size8_10.txt	0.1	×	11.41	×
puzzle_size8_2.txt	0.04	×	15.65	
puzzle_size8_3.txt	0.01	×	15.9	
puzzle_size8_4.txt	0.01	×	15.42	
puzzle_size8_5.txt	0.02	×	17.86	
puzzle_size8_6.txt	0.01	×	15.69	
puzzle_size8_7.txt	0.04	×	15.56	
puzzle_size8_8.txt	0.01	×	16.03	
puzzle_size8_9.txt	0.05	×	15.43	
puzzle_size9_1.txt	0.13	×	15.1	
puzzle_size9_10.txt	0.06	×	15.53	
puzzle_size9_2.txt	0.02	×	15.61	
puzzle_size9_3.txt	1.76	×	16.16	
puzzle_size9_4.txt	0.02	×	16.54	
puzzle_size9_5.txt	0.02	×	16.46	
puzzle_size9_6.txt	0.01	×	15.42	
puzzle_size9_7.txt	0.01	×	16.26	
puzzle_size9_8.txt	0.02	×	15.8	
puzzle_size9_9.txt	0.1	×	16.67	