

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t16_d0.1_1.txt	0.08	×	0.29	×	0.54	×
instance_t16_d0.1_10.txt	0.14	×	0.8	×	0.4	×
instance_t16_d0.1_2.txt	0.14	×	0.16	×	0.05	×
instance_t16_d0.1_3.txt	0.06	×	0.08	×	0.07	×
instance_t16_d0.1_4.txt	0.09	×	3.05	×	2.74	×
instance_t16_d0.1_5.txt	0.06	×	0.7	×	0.22	×
instance_t16_d0.1_6.txt	0.14	×	0.98	×	4.5	×
instance_t16_d0.1_7.txt	0.08	×	0.15	×	0.47	×
instance_t16_d0.1_8.txt	0.13	×	2.12	×	1.24	×
instance_t16_d0.1_9.txt	0.13	×	0.71	×	0.05	×
instance_t16_d0.3_1.txt	0.03		100.0		100.0	
instance_t16_d0.3_10.txt	0.03		100.0		100.0	
instance_t16_d0.3_2.txt	0.03		100.0		100.0	
instance_t16_d0.3_3.txt	0.03		100.0		100.0	
instance_t16_d0.3_4.txt	0.06	×	32.26	×	1.49	×
instance_t16_d0.3_5.txt	0.05	×	9.2	×	1.04	×
instance_t16_d0.3_6.txt	0.03		100.0		100.0	
instance_t16_d0.3_7.txt	0.04	×	100.0		100.0	
instance_t16_d0.3_8.txt	0.05	×	58.92	×	80.16	×
instance_t16_d0.3_9.txt	0.04		100.0		100.0	
instance_t25_d0.1_1.txt	55.33	×	100.04		100.03	
instance_t25_d0.1_10.txt	2.04	×	-	-	-	-
instance_t25_d0.1_2.txt	112.48	×	100.05		100.08	
instance_t25_d0.1_3.txt	1.88	×	100.06		100.04	
instance_t25_d0.1_4.txt	51.97	×	100.12		100.05	
instance_t25_d0.1_5.txt	1.84	×	100.04		100.21	
instance_t25_d0.1_6.txt	2.27	×	100.07		100.1	
instance_t25_d0.1_7.txt	22.1	×	100.09		100.21	
instance_t25_d0.1_8.txt	116.14	×	100.11		100.07	

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t25_d0.1_9.txt	50.96	×	100.06		100.21	
instance_t25_d0.3_1.txt	0.29	×	100.04		100.0	
instance_t25_d0.3_10.txt	0.38	×	100.05		100.07	
instance_t25_d0.3_3.txt	0.28	×	100.05		100.04	
instance_t25_d0.3_4.txt	0.17	×	100.02		100.02	
instance_t25_d0.3_5.txt	0.12		0.0		0.0	
instance_t25_d0.3_6.txt	13.78	×	100.03		100.03	
instance_t25_d0.3_7.txt	0.11		0.0		0.0	
instance_t25_d0.3_8.txt	7.23	×	100.04		100.01	
instance_t25_d0.3_9.txt	0.25		0.0		0.0	
instance_t4_d0.1_1.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_10.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_2.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_3.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_4.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_5.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_6.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_7.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_8.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_9.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_1.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_10.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_2.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_3.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_4.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_5.txt	0.0		100.0		0.0	
instance_t4_d0.3_6.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_7.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_8.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_9.txt	0.0	×	0.0	×	0.0	×

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t9_d0.1.1.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1.10.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1.2.txt	0.02	×	0.01	×	0.0	×
instance_t9_d0.1.3.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1.4.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1.5.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1.6.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1.7.txt	0.02	×	0.0	×	0.01	×
instance_t9_d0.1.8.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1.9.txt	0.02	×	0.0	×	0.01	×
instance_t9_d0.3.1.txt	0.01		100.0		100.0	
instance_t9_d0.3.10.txt	0.01		100.0		100.0	
instance_t9_d0.3.2.txt	0.01		100.0		100.0	
instance_t9_d0.3.3.txt	0.01	×	0.0	×	0.01	×
instance_t9_d0.3.4.txt	0.01		100.0		100.0	
instance_t9_d0.3.5.txt	0.01		100.0		100.0	
instance_t9_d0.3.6.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3.7.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3.8.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3.9.txt	0.01		100.0		100.0	
instance_t16_d0.1.1.txt	0.08	×	0.29	×	0.54	×
instance_t16_d0.1.10.txt	0.14	×	0.8	×	0.4	×
instance_t16_d0.1.2.txt	0.14	×	0.16	×	0.05	×
instance_t16_d0.1.3.txt	0.06	×	0.08	×	0.07	×
instance_t16_d0.1.4.txt	0.09	×	3.05	×	2.74	×
instance_t16_d0.1.5.txt	0.06	×	0.7	×	0.22	×
instance_t16_d0.1.6.txt	0.14	×	0.98	×	4.5	×
instance_t16_d0.1.7.txt	0.08	×	0.15	×	0.47	×
instance_t16_d0.1.8.txt	0.13	×	2.12	×	1.24	×
instance_t16_d0.1.9.txt	0.13	×	0.71	×	0.05	×

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t16_d0.3_1.txt	0.03		100.0		100.0	
instance_t16_d0.3_10.txt	0.03		100.0		100.0	
instance_t16_d0.3_2.txt	0.03		100.0		100.0	
instance_t16_d0.3_3.txt	0.03		100.0		100.0	
instance_t16_d0.3_4.txt	0.06	×	32.26	×	1.49	×
instance_t16_d0.3_5.txt	0.05	×	9.2	×	1.04	×
instance_t16_d0.3_6.txt	0.03		100.0		100.0	
instance_t16_d0.3_7.txt	0.04	×	100.0		100.0	
instance_t16_d0.3_8.txt	0.05	×	58.92	×	80.16	×
instance_t16_d0.3_9.txt	0.04		100.0		100.0	
instance_t25_d0.1_1.txt	55.33	×	100.04		100.03	
instance_t25_d0.1_2.txt	112.48	×	100.05		100.08	
instance_t25_d0.1_3.txt	1.88	×	100.06		100.04	
instance_t25_d0.1_4.txt	51.97	×	100.12		100.05	
instance_t25_d0.1_5.txt	1.84	×	100.04		100.21	
instance_t25_d0.1_6.txt	2.27	×	100.07		100.1	
instance_t25_d0.1_7.txt	22.1	×	100.09		100.21	
instance_t25_d0.1_8.txt	116.14	×	100.11		100.07	
instance_t25_d0.1_9.txt	50.96	×	100.06		100.21	
instance_t25_d0.3_1.txt	0.29	×	100.04		100.0	
instance_t25_d0.3_10.txt	0.38	×	100.05		100.07	
instance_t25_d0.3_2.txt	-	-	0.0		-	-
instance_t25_d0.3_3.txt	0.28	×	100.05		100.04	
instance_t25_d0.3_4.txt	0.17	×	100.02		100.02	
instance_t25_d0.3_5.txt	0.12		0.0		0.0	
instance_t25_d0.3_6.txt	13.78	×	100.03		100.03	
instance_t25_d0.3_7.txt	0.11		0.0		0.0	
instance_t25_d0.3_8.txt	7.23	×	100.04		100.01	
instance_t25_d0.3_9.txt	0.25		0.0		0.0	
instance_t4_d0.1_1.txt	0.0	×	0.0	×	0.0	×

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t4_d0.1_10.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_2.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_3.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_4.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_5.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_6.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_7.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_8.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1_9.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_1.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_10.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_2.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_3.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_4.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_5.txt	0.0		100.0		0.0	
instance_t4_d0.3_6.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_7.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_8.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_9.txt	0.0	×	0.0	×	0.0	×
instance_t9_d0.1_1.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_10.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_2.txt	0.02	×	0.01	×	0.0	×
instance_t9_d0.1_3.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_4.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_5.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_6.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_7.txt	0.02	×	0.0	×	0.01	×
instance_t9_d0.1_8.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_9.txt	0.02	×	0.0	×	0.01	×
instance_t9_d0.3_1.txt	0.01		100.0		100.0	

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t9_d0.3.10.txt	0.01		100.0		100.0	
instance_t9_d0.3.2.txt	0.01		100.0		100.0	
instance_t9_d0.3.3.txt	0.01	×	0.0	×	0.01	×
instance_t9_d0.3.4.txt	0.01		100.0		100.0	
instance_t9_d0.3.5.txt	0.01		100.0		100.0	
instance_t9_d0.3.6.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3.7.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3.8.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3.9.txt	0.01		100.0		100.0	
instance_t16_d0.1.1.txt	0.08	×	0.29	×	0.54	×
instance_t16_d0.1.10.txt	0.14	×	0.8	×	0.4	×
instance_t16_d0.1.2.txt	0.14	×	0.16	×	0.05	×
instance_t16_d0.1.3.txt	0.06	×	0.08	×	0.07	×
instance_t16_d0.1.4.txt	0.09	×	3.05	×	2.74	×
instance_t16_d0.1.5.txt	0.06	×	0.7	×	0.22	×
instance_t16_d0.1.6.txt	0.14	×	0.98	×	4.5	×
instance_t16_d0.1.7.txt	0.08	×	0.15	×	0.47	×
instance_t16_d0.1.8.txt	0.13	×	2.12	×	1.24	×
instance_t16_d0.1.9.txt	0.13	×	0.71	×	0.05	×
instance_t16_d0.3.1.txt	0.03		100.0		100.0	
instance_t16_d0.3.10.txt	0.03		100.0		100.0	
instance_t16_d0.3.2.txt	0.03		100.0		100.0	
instance_t16_d0.3.3.txt	0.03		100.0		100.0	
instance_t16_d0.3.4.txt	0.06	×	32.26	×	1.49	×
instance_t16_d0.3.5.txt	0.05	×	9.2	×	1.04	×
instance_t16_d0.3.6.txt	0.03		100.0		100.0	
instance_t16_d0.3.7.txt	0.04	×	100.0		100.0	
instance_t16_d0.3.8.txt	0.05	×	58.92	×	80.16	×
instance_t16_d0.3.9.txt	0.04		100.0		100.0	
instance_t25_d0.1.1.txt	55.33	×	100.04		100.03	

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t25_d0.1.2.txt	112.48	×	100.05		100.08	
instance_t25_d0.1.3.txt	1.88	×	100.06		100.04	
instance_t25_d0.1.4.txt	51.97	×	100.12		100.05	
instance_t25_d0.1.5.txt	1.84	×	100.04		100.21	
instance_t25_d0.1.6.txt	2.27	×	100.07		100.1	
instance_t25_d0.1.7.txt	22.1	×	100.09		100.21	
instance_t25_d0.1.8.txt	116.14	×	100.11		100.07	
instance_t25_d0.1.9.txt	50.96	×	100.06		100.21	
instance_t25_d0.3.1.txt	0.29	×	100.04		100.0	
instance_t25_d0.3.10.txt	0.38	×	100.05		100.07	
instance_t25_d0.3.3.txt	0.28	×	100.05		100.04	
instance_t25_d0.3.4.txt	0.17	×	100.02		100.02	
instance_t25_d0.3.5.txt	0.12		0.0		0.0	
instance_t25_d0.3.6.txt	13.78	×	100.03		100.03	
instance_t25_d0.3.7.txt	0.11		0.0		0.0	
instance_t25_d0.3.8.txt	7.23	×	100.04		100.01	
instance_t25_d0.3.9.txt	0.25		0.0		0.0	
instance_t4_d0.1.1.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.10.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.2.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.3.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.4.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.5.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.6.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.7.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.8.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.1.9.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3.1.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3.10.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3.2.txt	0.0	×	0.0	×	0.0	×

Instance	cplex		heuristique		heuristique2	
	Temps (s)	Optimal ?	Temps (s)	Optimal ?	Temps (s)	Optimal ?
instance_t4_d0.3_3.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_4.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_5.txt	0.0		100.0		0.0	
instance_t4_d0.3_6.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_7.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_8.txt	0.0	×	0.0	×	0.0	×
instance_t4_d0.3_9.txt	0.0	×	0.0	×	0.0	×
instance_t9_d0.1_1.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_10.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_2.txt	0.02	×	0.01	×	0.0	×
instance_t9_d0.1_3.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_4.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_5.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_6.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_7.txt	0.02	×	0.0	×	0.01	×
instance_t9_d0.1_8.txt	0.02	×	0.0	×	0.0	×
instance_t9_d0.1_9.txt	0.02	×	0.0	×	0.01	×
instance_t9_d0.3_1.txt	0.01		100.0		100.0	
instance_t9_d0.3_10.txt	0.01		100.0		100.0	
instance_t9_d0.3_2.txt	0.01		100.0		100.0	
instance_t9_d0.3_3.txt	0.01	×	0.0	×	0.01	×
instance_t9_d0.3_4.txt	0.01		100.0		100.0	
instance_t9_d0.3_5.txt	0.01		100.0		100.0	
instance_t9_d0.3_6.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3_7.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3_8.txt	0.01	×	0.0	×	0.0	×
instance_t9_d0.3_9.txt	0.01		100.0		100.0	