

Benchmark	Problem ID	Algorithm	iB	Solution*	Anytime	Time	WT K*	BBK* Soln	BBK* Time
Expanded_4	00007_1_0_7_4-0-1-5-6	AOBB-K*-UFO	3	15.92	1890.72	timeout	14.08	15.60	204.06
Expanded_4	00007_1_0_7_4-0-1-5-6	AOBB-K*	3	14.08	13.69	13.70	14.08	15.60	204.06
Expanded_4	00007_1_0_7_4-0-1-5-6	AOBB-K*-DH	3	14.08	13.80	13.80	14.08	15.60	204.06
Expanded_4	00007_1_0_7_4-1-2-3-5	AOBB-K*-UFO	3	14.89	3435.06	timeout	14.08	14.54	278.08
Expanded_4	00007_1_0_7_4-1-2-3-5	AOBB-K*-DH	3	14.49	3559.81	timeout	14.08	14.54	278.08
Expanded_4	00007_1_0_7_4-1-2-3-5	AOBB-K*	3	14.49	3297.98	timeout	14.08	14.54	278.08
Expanded_4	00013_3_0_4_4-0-1-2-3	AOBB-K*-UFO	3	15.03	12.67	1986.79	13.25	15.03	46.46
Expanded_4	00013_3_0_4_4-0-1-2-3	AOBB-K*-DH	3	15.03	21.75	77.60	13.25	15.03	46.46
Expanded_4	00013_3_0_4_4-0-1-2-3	AOBB-K*	4	15.03	162.67	timeout	13.25	15.03	46.46
Expanded_4	00017_2_0_4_4-0-1-2-3	AOBB-K*-UFO	3	10.86	29.37	timeout	10.52	10.80	89.94
Expanded_4	00017_2_0_4_4-0-1-2-3	AOBB-K*-DH	3	10.86	748.16	timeout	10.52	10.80	89.94
Expanded_4	00017_2_0_4_4-0-1-2-3	AOBB-K*	4	10.82	2208.64	timeout	10.52	10.80	89.94
Expanded_4	00018_2_0_6_4-0-1-2-4	AOBB-K*-UFO	3	17.02	2392.66	timeout	15.79	16.58	610.41
Expanded_4	00018_2_0_6_4-0-1-2-4	AOBB-K*-DH	3	16.60	1614.52	timeout	15.79	16.58	610.41
Expanded_4	00018_2_0_6_4-0-1-2-4	AOBB-K*	3	16.58	40.88	timeout	15.79	16.58	610.41
Expanded_4	00018_2_0_6_4-0-1-2-5	AOBB-K*-UFO	3	16.58	14.32	144.44	15.79	16.58	581.77
Expanded_4	00018_2_0_6_4-0-1-2-5	AOBB-K*	3	16.58	36.79	3488.56	15.79	16.58	581.77
Expanded_4	00018_2_0_6_4-0-1-2-5	AOBB-K*-DH	3	16.58	39.97	598.38	15.79	16.58	581.77
Expanded_4	00021_4_4-0-1-2-3_1_0	AOBB-K*-UFO	3	11.92	195.90	timeout	9.37	11.72	687.66
Expanded_4	00021_4_4-0-1-2-3_1_0	AOBB-K*-DH	3	11.92	623.32	timeout	9.37	11.72	687.66
Expanded_4	00021_4_4-0-1-2-3_1_0	AOBB-K*	4	11.72	262.83	timeout	9.37	11.72	687.66
Expanded_4	00024_4_4-0-1-2-3_3_0	AOBB-K*-UFO	3	12.96	38.99	43.15	11.79	12.93	128.99
Expanded_4	00024_4_4-0-1-2-3_3_0	AOBB-K*	3	12.96	101.94	487.66	11.79	12.93	128.99
Expanded_4	00024_4_4-0-1-2-3_3_0	AOBB-K*-DH	3	12.96	134.86	407.78	11.79	12.93	128.99
Expanded_4	00027_6_4-0-2-3-5_1_0	AOBB-K*-UFO	3	15.55	25.60	50.01	15.48	15.55	476.84
Expanded_4	00027_6_4-0-2-3-5_1_0	AOBB-K*	3	15.55	78.57	254.67	15.48	15.55	476.84
Expanded_4	00027_6_4-0-2-3-5_1_0	AOBB-K*-DH	3	15.55	181.79	405.89	15.48	15.55	476.84
Expanded_4	00028_1_0_6_4-0-1-2-3	AOBB-K*-UFO	3	15.27	16.24	16.80	15.27	15.27	92.03
Expanded_4	00028_1_0_6_4-0-1-2-3	AOBB-K*	3	15.27	17.15	21.62	15.27	15.27	92.03
Expanded_4	00028_1_0_6_4-0-1-2-3	AOBB-K*-DH	3	15.27	24.72	37.78	15.27	15.27	92.03
Expanded_4	00028_1_0_6_4-0-2-3-5	AOBB-K*-UFO	3	15.27	15.45	50.15	15.27	15.27	95.25
Expanded_4	00028_1_0_6_4-0-2-3-5	AOBB-K*	3	15.27	16.03	323.45	15.27	15.27	95.25
Expanded_4	00028_1_0_6_4-0-2-3-5	AOBB-K*-DH	3	15.27	23.95	576.98	15.27	15.27	95.25
Expanded_4	00030_4_4-0-1-2-3_2_0	AOBB-K*-UFO	3	11.12	17.98	907.70	10.35	10.97	253.55
Expanded_4	00030_4_4-0-1-2-3_2_0	AOBB-K*	3	11.12	256.36	timeout	10.35	10.97	253.55
Expanded_4	00030_4_4-0-1-2-3_2_0	AOBB-K*-DH	3	11.12	290.73	timeout	10.35	10.97	253.55
Expanded_4	00042_3_0_7_4-0-1-2-5	AOBB-K*-UFO	3	22.65	13.09	30.84	22.65	22.65	1015.99
Expanded_4	00042_3_0_7_4-0-1-2-5	AOBB-K*	3	22.65	90.14	3025.80	22.65	22.65	1015.99
Expanded_4	00042_3_0_7_4-0-1-2-5	AOBB-K*-DH	3	22.65	97.53	2897.35	22.65	22.65	1015.99
Expanded_4	00043_5_4-0-1-3-4_2_0	AOBB-K*-DH	3	18.19	386.02	timeout	18.04	18.18	119.88
Expanded_4	00043_5_4-0-1-3-4_2_0	AOBB-K*-UFO	3	18.18	15.47	116.82	18.04	18.18	119.88
Expanded_4	00043_5_4-0-1-3-4_2_0	AOBB-K*	3	18.18	38.01	2824.46	18.04	18.18	119.88
Expanded_4	00043_5_4-0-2-3-4_2_0	AOBB-K*-UFO	3	18.04	15.08	16.18	18.04	18.04	59.80
Expanded_4	00043_5_4-0-2-3-4_2_0	AOBB-K*	3	18.04	19.00	112.50	18.04	18.04	59.80
Expanded_4	00043_5_4-0-2-3-4_2_0	AOBB-K*-DH	3	18.04	22.44	483.55	18.04	18.04	59.80
Expanded_4	00044_5_4-0-1-3-4_2_0	AOBB-K*-UFO	3	18.19	14.82	195.81	18.19	18.19	67.98
Expanded_4	00044_5_4-0-1-3-4_2_0	AOBB-K*	3	18.19	20.79	3088.35	18.19	18.19	67.98
Expanded_4	00044_5_4-0-1-3-4_2_0	AOBB-K*-DH	3	18.19	27.71	timeout	18.19	18.19	67.98
Expanded_4	00047_2_0_6_4-0-1-2-3	AOBB-K*-UFO	3	23.08	201.11	timeout	22.70	23.05	1597.58
Expanded_4	00047_2_0_6_4-0-1-2-3	AOBB-K*	3	22.74	161.44	timeout	22.70	23.05	1597.58
Expanded_4	00047_2_0_6_4-0-1-2-3	AOBB-K*-DH	3	22.74	168.18	timeout	22.70	23.05	1597.58
Expanded_4	00047_2_0_6_4-0-1-2-5	AOBB-K*-UFO	3	22.87	73.22	243.71	22.70	22.83	1339.15
Expanded_4	00047_2_0_6_4-0-1-2-5	AOBB-K*	3	22.74	133.49	timeout	22.70	22.83	1339.15
Expanded_4	00047_2_0_6_4-0-1-2-5	AOBB-K*-DH	3	22.74	138.90	timeout	22.70	22.83	1339.15