

name	Basic Problem				Variant 1				Variant 2			
	RB	[L,U]	HR	time	RB	[L,U]	HR	time	RB	[L,U]	HR	time
7.21.50	23	[23]	23	0H:0M:2S	28	[29]	29	0H:1M:29S	22	[23]	23	0H:1M:2S
7.21.60	21	[21]	21	0H:0M:2S	26	[27]	27	0H:3M:58S	20	[20]	20	0H:0M:2S
7.21.60b	21	[21]	21	0H:0M:2S	26	[27]	27	0H:14M:28S	20	[20]	20	0H:0M:2S
7.21.100	15	[16]	16	0H:0M:12S	20	[21]	21	0H:1M:41S	15	[16]	16	0H:0M:12S
7.21.200	11	[11]	11	0H:0M:5S	14	[14]	14	0H:0M:0S	10	[11]	11	0H:0M:5S
7.21.240	10	[10]	10	0H:0M:1S	14	[14]	14	0H:0M:0S	10	[10]	10	0H:0M:1S
8.28.50	35	[35]	35	0H:0M:6S	44	[44]	44	0H:0M:50S	33	[35]	35	1H:53M:5S
8.28.60	31	[32]	32	0H:0M:15S	40	[41]	41	0H:19M:23S	30	[31]	31	0H:2M:15S
8.28.60b	32	[33]	33	0H:0M:27S	41	[42]	42	1H:3M:14S	31	[32]	32	0H:3M:27S
8.28.100	22	[23]	23	0H:0M:21S	30	[31]	31	0H:8M:20S	22	[23]	23	0H:1M:21S
8.28.200	15	[16]	16	0H:0M:56S	21	[22]	22	0H:2M:53S	15	[16]	16	0H:0M:56S
8.28.240	15	[16]	16	0H:0M:53S	19	[21]	21	0H:4M:27S	14	[16]	16	0H:0M:53S
9.36.50	61	[61]	61	0H:0M:18S	73	[74]	74	0H:6M:49S	57	[58,61]	61	0H:2M:18S
9.36.60	53	[54]	54	0H:2M:01S	64	[65]	65	0H:4M:6S	51	[52,54]	54	0H:13M:01S
9.36.60b	55	[56]	56	0H:6M:33S	65	[66]	66	0H:3M:37S	52	[53,55]	55	1H:8M:33S
9.36.100	38	[38]	38	0H:0M:51S	48	[49]	49	3H:3M:8S	35	[37,38]	38	0H:27M:51S
9.36.200	25	[25]	25	0H:0M:56S	32	[33,34]	34	0H:8M:58S	24	[25]	25	0H:3M:56S
9.36.240	22	[23]	24	0H:39M:3S	30	[30,31]	31	0H:7M:9S	22	[23]	23	0H:3M:03S
10.25.50	28	[28]	28	0H:0M:6S	38	[39]	39	0H:2M:3S	28	[28]	29	0H:4M:06S
10.25.60	25	[26]	26	0H:0M:40S	35	[35]	35	0H:1M:27S	25	[25]	26	0H:4M:40S
10.25.100	20	[20]	20	0H:0M:11S	27	[29]	29	0H:7M:5S	20	[20]	20	0H:0M:11S
10.25.200	14	[15]	15	0H:0M:34S	20	[20]	20	0H:0M:0S	14	[15]	15	0H:0M:34S
10.25.214	14	[15]	15	0H:1M:31S	20	[20]	20	0H:0M:0S	14	[15]	15	0H:1M:31S
12.50.50	93	[93]	93	0H:0M:13S	108	[109]	110	0H:54M:55S	86	[87,92]	92	0H:4M:13S
15.72.60	129	[129]	129	0H:1M:6S	154	[154,157]	157	0H:18M:41S	119	[120,129]	129	0H:40M:06S

Table 1

name	Basic Problem					Variant 1					Variant 2		
	nod	nbSP	time	mas	spr	nod	nbSP	time	mas	spr	nod	nbSP	time
7.21.50	1	25	0H:0M:2S	10.7	83.4	5	155	0H:1M:29S	2.8	96.8	81	330	0H:1M:3S
7.21.60	1	38	0H:0M:2S	7.3	87.9	13	274	0H:3M:58S	2.8	96.9	1	62	0H:0M:7S
7.21.60b	1	31	0H:0M:2S	12.1	82.3	79	734	0H:14M:28S	4.1	95.4	1	62	0H:0M:8S
7.21.100	5	80	0H:0M:12S	6.0	92.3	5	190	0H:1M:41S	5.2	94.4	21	241	0H:0M:36S
7.21.200	1	51	0H:0M:5S	8.3	89.2	1	0	0H:0M:0S	6.2	0.0	3	87	0H:0M:8S
7.21.240	1	23	0H:0M:1S	12.5	80.0	1	0	0H:0M:0S	0.0	0.0	1	32	0H:0M:1S
8.28.50	1	44	0H:0M:6S	4.4	93.3	1	96	0H:0M:50S	2.3	97.2	3895	4431	1H:53M:59S
8.28.60	5	66	0H:0M:15S	3.9	94.4	77	464	0H:19M:23S	2.2	97.4	59	365	0H:2M:11S
8.28.60b	9	66	0H:0M:27S	2.4	96.8	219	754	1H:3M:14S	1.9	97.7	165	463	0H:3M:18S
8.28.100	3	72	0H:0M:21S	4.0	95.3	15	420	0H:8M:20S	3.3	96.5	15	235	0H:1M:1S
8.28.200	9	300	0H:0M:56S	10.1	89.2	11	315	0H:2M:53S	13.6	86.0	13	265	0H:0M:37S
8.28.240	13	275	0H:0M:53S	13.2	85.9	13	256	0H:4M:27S	8.4	91.2	17	270	0H:0M:42S
9.36.50	1	40	0H:0M:18S	2.0	96.9	5	195	0H:6M:49S	0.8	99.0	8148	6412	*4H:0M:6S
9.36.60	25	156	0H:2M:1S	2.0	97.3	3	205	0H:4M:6S	1.5	98.3	3965	4672	*4H:0M:3S
9.36.60b	85	226	0H:6M:33S	1.6	97.6	3	190	0H:3M:37S	1.5	98.3	4705	5324	*4H:0M:4S
9.36.100	1	117	0H:0M:51S	2.6	97.0	373	1967	3H:3M:8S	4.1	95.4	1625	4450	*4H:0M:6S
9.36.200	1	136	0H:0M:56S	3.4	96.1	286	4039	*4H:0M:5S	20.9	78.6	25	482	0H:3M:43S
9.36.240	168	1343	0H:39M:3S	7.6	91.9	167	3091	*4H:0M:5S	5.7	94.1	33	598	0H:3M:57S
10.25.50	1	43	0H:0M:6S	4.1	93.8	3	158	0H:2M:3S	1.7	98.0	73	443	0H:4M:4S
10.25.60	7	103	0H:0M:40S	2.6	96.7	1	147	0H:1M:27S	2.4	97.3	98	548	0H:4M:40S
10.25.100	1	57	0H:0M:11S	5.2	93.4	21	513	0H:7M:5S	6.7	93.0	1	93	0H:0M:22S
10.25.200	3	146	0H:0M:34S	5.7	93.6	1	0	0H:0M:0S	16.6	0.0	5	237	0H:0M:38S
10.25.214	19	522	0H:1M:31S	20.0	79.2	1	0	0H:0M:0S	5.8	0.0	15	544	0H:1M:25S
12.50.50	1	41	0H:0M:13S	3.0	95.5	204	382	0H:54M:55S	1.9	97.5	8247	5743	*4H:0M:4S
15.72.60	1	66	0H:1M:6S	1.4	98.0	1944	591	*4H:0M:28S	7.8	90.3	3013	2856	*4H:0M:1S

Table 2

* not solved to optimality