I2	POS	REQ	PRD	SAL	自由度	|T|	RT	OBJ	UB
0.4	3	r	c	dr	1	7	5	2.27	2.27
0.4	3	r	c	dr	0	10	155	2.36	2.36
0.2	5	r	dr	r	1	4	1	1.57	1.57
0.2	5	r	dr	r	0	10	10000	1.63	1.61
0.2	5	r	dr	c	1	4	1	1.57	1.57
0.2	5	r	dr	c	0	10	10000	1.63	1.62
0.4	3	r	c	r	1	7	7	2.30	2.30
0.4	3	r	c	r	0	10	185	2.39	2.39
0.4	3	r	c	c	1	7	5	2.32	2.32
0.4	3	r	c	c	0	10	113	2.40	2.40
0.2	5	r	dr	dr	1	4	1	1.57	1.57
0.2	5	r	dr	dr	0	10	10000	1.63	1.62
0.4	3	r	r	r	1	7	4	2.35	2.35
0.4	3	r	r	r	0	10	106	2.43	2.43
0.4	3	r	r	c	1	7	5	2.36	2.36
0.4	3	r	r	c	0	10	101	2.44	2.44
0.4	3	r	r	dr	1	7	4	2.31	2.31
0.4	3	r	r	dr	0	10	119	2.39	2.39
0.2	3	r	dr	c	1	4	1	1.92	1.92
0.2	3	r	dr	c	0	10	497	1.98	1.98
0.4	7	r	dr	c	1	7	4	1.60	1.60
0.4	7	r	dr	c	0	10	203	1.65	1.65
0.4	7	r	dr	r	1	7	4	1.60	1.60
0.4	7	r	dr	r	0	10	187	1.65	1.65
0.2	3	r	dr	r	1	4	2	1.91	1.91
0.2	3	r	dr	r	0	10	584	1.97	1.97
0.4	7	r	dr	dr	1	7	6	1.60	1.60
0.4	7	r	dr	dr	0	10	217	1.65	1.65
0.2	3	r	dr	dr	1	4	2	1.89	1.89
0.2	3	r	dr	dr	0	10	646	1.94	1.94
0.4	3	c	dr	dr	1	7	6	1.54	1.54
0.4	3	c	dr	dr	0	10	138	1.58	1.58
0.4	3	c	dr	r	1	7	3	1.55	1.55
0.4	3	c	dr	r	0	10	154	1.59	1.59
0.4	7	c	dr	dr	1	7	5	1.54	1.54
0.4	7	c	dr	dr	0	10	136	1.58	1.58
0.4	5	c	dr	dr	1	7	7	1.54	1.54
0.4	5	c	dr	dr	0	10	162	1.59	1.58

0.4	7	c	dr	r	1	7	6	1.55	1.55
0.4	7	c	dr	r	0	10	126	1.59	1.59
0.4	5	c	dr	r	1	7	5	1.55	1.55
0.4	5	c	dr	r	0	10	156	1.59	1.59
0.2	3	r	r	c	1	4	2	1.95	1.95
0.2	3	r	r	c	0	10	2456	2.00	2.00
0.4	3	c	dr	c	1	7	4	1.55	1.55
0.4	3	c	dr	c	0	10	110	1.59	1.59
0.4	7	c	dr	c	1	7	4	1.55	1.55
0.4	7	c	dr	c	0	10	108	1.59	1.59
0.4	5	c	dr	c	1	7	4	1.55	1.55
0.4	5	c	dr	c	0	10	132	1.59	1.59
0.2	3	r	r	r	1	4	1	1.95	1.95
0.2	3	r	r	r	0	10	2588	2.00	2.00
0.4	5	r	dr	dr	1	7	4	1.82	1.82
0.4	5	r	dr	dr	0	10	119	1.87	1.87
0.4	5	r	r	c	1	7	5	1.93	1.93
0.4	5	r	r	c	0	10	199	1.98	1.98
0.4	5	r	r	r	1	7	6	1.93	1.93
0.4	5	r	r	r	0	10	192	1.98	1.98
0.2	3	r	r	dr	1	4	13	1.95	1.95
0.2	3	r	r	dr	0	10	2946	2.00	2.00
0.4	3	r	dr	dr	1	7	6	2.45	2.45
0.4	3	r	dr	dr	0	10	66	2.50	2.50
0.4	5	r	dr	r	1	7	4	1.83	1.83
0.4	5	r	dr	r	0	10	110	1.88	1.88
0.4	5	r	r	dr	1	7	5	1.94	1.94
0.4	5	r	r	dr	0	10	200	1.98	1.98
0.4	5	r	dr	c	1	7	5	1.84	1.84
0.4	5	r	dr	c	0	10	72	1.87	1.87
0.4	3	r	dr	r	1	7	3	2.49	2.49
0.4	3	r	dr	r	0	10	64	2.53	2.53
0.4	3	r	dr	c	1	7	4	2.50	2.50
0.4	3	r	dr	c	0	10	74	2.54	2.54
0.4	7	r	r	c	1	7	5	1.84	1.84
0.4	7	r	r	c	0	10	299	1.87	1.87
0.4	7	r	r	dr	1	7	5	1.85	1.85
0.4	7	r	r	dr	0	10	396	1.87	1.87
0.4	7	r	r	r	1	7	4	1.85	1.85

0.4	7	r	r	r	0	10	335	1.87	1.87
0.2	3	r	c	c	1	4	2	2.00	2.00
0.2	3	r	c	c	0	10	10000	2.02	2.00
0.2	5	r	r	r	1	4	2	1.83	1.83
0.2	5	r	r	r	0	10	10000	1.85	1.84
0.2	5	r	r	dr	1	4	1	1.83	1.83
0.2	5	r	r	dr	0	10	10000	1.85	1.85
0.2	5	r	r	c	1	4	2	1.82	1.82
0.2	5	r	r	c	0	10	10000	1.85	1.84
0.2	3	r	c	r	1	4	1	2.00	2.00
0.2	3	r	c	r	0	10	10000	2.02	2.00
0.4	3	c	r	dr	1	7	5	1.83	1.82
0.4	3	c	r	dr	0	10	175	1.84	1.84
0.4	3	c	r	c	1	7	8	1.82	1.82
0.4	3	c	r	c	0	10	269	1.84	1.84
0.4	5	c	r	dr	1	7	4	1.82	1.82
0.4	5	c	r	dr	0	10	198	1.84	1.84
0.4	5	c	r	c	1	7	8	1.82	1.82
0.4	5	c	r	c	0	10	171	1.84	1.84
0.4	5	c	r	r	1	7	14	1.82	1.82
0.4	5	c	r	r	0	10	191	1.84	1.84
0.4	7	c	r	dr	1	7	6	1.82	1.82
0.4	7	c	r	dr	0	10	142	1.84	1.84
0.4	3	c	r	r	1	7	4	1.82	1.82
0.4	3	c	r	r	0	10	190	1.84	1.84
0.4	7	c	r	r	1	7	9	1.82	1.82
0.4	7	c	r	r	0	10	144	1.84	1.84
0.4	7	c	r	c	1	7	9	1.82	1.82
0.4	7	c	r	c	0	10	131	1.84	1.84
0.2	3	c	dr	dr	1	4	1	1.43	1.43
0.2	3	c	dr	dr	0	10	1780	1.45	1.45
0.2	3	c	dr	c	1	4	1	1.43	1.43
0.2	3	c	dr	c	0	10	1380	1.44	1.44
0.2	3	c	dr	r	1	4	1	1.43	1.43
0.2	3	c	dr	r	0	10	662	1.44	1.44
0.2	5	c	dr	dr	1	4	1	1.43	1.43
0.2	5	c	dr	dr	0	10	950	1.45	1.45
0.2	5	c	dr	c	1	4	1	1.43	1.43
0.2	5	c	dr	c	0	10	933	1.44	1.44

0.2	5	c	dr	r	1	4	1	1.43	1.43
0.2	5	c	dr	r	0	10	781	1.44	1.44
0.2	7	c	dr	dr	1	4	1	1.43	1.43
0.2	7	c	dr	dr	0	10	769	1.44	1.44
0.2	7	c	dr	c	1	4	1	1.43	1.43
0.2	7	c	dr	c	0	10	820	1.44	1.44
0.2	7	c	dr	r	1	4	1	1.43	1.43
0.2	7	c	dr	r	0	10	632	1.44	1.44
0.2	3	r	c	dr	1	4	1	2.01	2.01
0.2	3	r	c	dr	0	10	10000	2.02	2.01
0.2	7	r	dr	c	1	4	1	1.47	1.47
0.2	7	r	dr	c	0	10	763	1.48	1.48
0.2	7	r	dr	dr	1	4	1	1.47	1.47
0.2	7	r	dr	dr	0	10	763	1.48	1.48
0.2	7	r	dr	r	1	4	1	1.47	1.47
0.2	7	r	dr	r	0	10	1051	1.48	1.48
0.4	5	r	c	c	1	7	4	2.00	2.00
0.4	5	r	c	c	0	10	182	2.01	2.01
0.4	5	r	c	r	1	7	5	2.00	2.00
0.4	5	r	c	r	0	10	185	2.01	2.01
0.4	5	r	c	dr	1	7	4	2.01	2.01
0.4	5	r	c	dr	0	10	223	2.01	2.01
0.2	3	c	r	c	1	4	1	1.76	1.76
0.2	3	c	r	c	0	10	710	1.77	1.77
0.2	3	c	r	r	1	4	1	1.77	1.77
0.2	3	c	r	r	0	10	1380	1.77	1.77
0.2	3	c	r	dr	1	4	1	1.77	1.77
0.2	3	c	r	dr	0	10	937	1.78	1.78
0.2	7	c	r	r	1	4	1	1.77	1.77
0.2	7	c	r	r	0	10	953	1.77	1.77
0.2	7	c	r	c	1	4	1	1.76	1.76
0.2	7	c	r	c	0	10	1068	1.77	1.77
0.2	5	c	r	r	1	4	1	1.77	1.77
0.2	5	c	r	r	0	10	607	1.77	1.77
0.2	5	c	r	dr	1	4	1	1.77	1.77
0.2	5	c	r	dr	0	10	1116	1.78	1.78
0.2	5	c	r	c	1	4	1	1.76	1.76
0.2	5	c	r	c	0	10	1191	1.77	1.77
0.2	7	c	r	dr	1	4	1	1.77	1.77

0.2	7	c	r	dr	0	10	689	1.77	1.77
0.2	7	r	r	dr	1	4	1	1.79	1.79
0.2	7	r	r	dr	0	10	952	1.79	1.79
0.2	7	r	r	c	1	4	1	1.78	1.78
0.2	7	r	r	c	0	10	902	1.79	1.79
0.2	7	r	r	r	1	4	2	1.78	1.78
0.2	7	r	r	r	0	10	664	1.79	1.79
0.6	3	r	c	dr	1	7	1	3.23	3.23
0.6	3	r	c	dr	0	10	2	3.23	3.23
0.6	5	c	dr	dr	1	7	1	1.73	1.73
0.6	5	c	dr	dr	0	10	2	1.73	1.73
0.6	3	r	dr	c	1	7	0	3.45	3.45
0.6	3	r	dr	c	0	10	1	3.45	3.45
0.6	3	r	dr	r	1	7	0	3.43	3.43
0.6	3	r	dr	r	0	10	1	3.43	3.43
0.2	7	r	c	r	1	4	1	2.00	2.00
0.2	7	r	c	r	0	10	17	2.00	2.00
0.6	3	r	r	r	1	7	1	3.30	3.30
0.6	3	r	r	r	0	10	1	3.30	3.30
0.6	7	r	dr	dr	1	7	1	1.79	1.79
0.6	7	r	dr	dr	0	10	2	1.79	1.79
0.6	7	c	dr	dr	1	7	1	1.72	1.72
0.6	7	c	dr	dr	0	10	1	1.72	1.72
0.6	5	r	r	dr	1	7	0	2.25	2.25
0.6	5	r	r	dr	0	10	1	2.25	2.25
0.6	5	r	r	c	1	7	1	2.32	2.32
0.6	5	r	r	c	0	10	1	2.32	2.32
0.6	7	r	r	c	1	7	1	1.96	1.96
0.6	7	r	r	c	0	10	3	1.96	1.96
0.6	7	c	dr	c	1	7	1	1.73	1.73
0.6	7	c	dr	c	0	10	2	1.73	1.73
0.6	3	r	r	c	1	7	1	3.32	3.32
0.6	3	r	r	c	0	10	1	3.32	3.32
0.6	5	r	c	r	1	7	1	2.35	2.35
0.6	5	r	c	r	0	10	2	2.35	2.35
0.6	5	r	dr	dr	1	7	1	2.19	2.19
0.6	5	r	dr	dr	0	10	1	2.19	2.19
0.2	5	r	c	r	1	4	1	2.00	2.00
0.2	5	r	c	r	0	10	59	2.00	2.00

0.6	5	c	r	r	1	7	1	1.90	1.90
0.6	5	c	r	r	0	10	3	1.90	1.90
0.6	7	c	dr	r	1	7	0	1.73	1.73
0.6	7	c	dr	r	0	10	1	1.73	1.73
0.6	5	c	r	dr	1	7	1	1.90	1.90
0.6	5	c	r	dr	0	10	3	1.90	1.90
0.6	5	c	r	c	1	7	1	1.90	1.90
0.6	5	c	r	c	0	10	3	1.90	1.90
0.6	3	c	r	r	1	7	1	1.90	1.90
0.6	3	c	r	r	0	10	3	1.90	1.90
0.6	5	c	dr	c	1	7	1	1.73	1.73
0.6	5	c	dr	c	0	10	2	1.73	1.73
0.6	7	c	r	r	1	7	1	1.90	1.90
0.6	7	c	r	r	0	10	3	1.90	1.90
0.4	7	r	c	c	1	7	10000	2.00	1.76
0.4	7	r	c	c	0	10	21	2.00	2.00
0.6	3	c	c	c	1	7	1	2.00	2.00
0.6	3	c	c	c	0	10	7	2.00	2.00
0.6	3	c	c	dr	1	7	1	2.01	2.01
0.6	3	c	c	dr	0	10	8	2.01	2.01
0.6	7	c	r	dr	1	7	1	1.90	1.90
0.6	7	c	r	dr	0	10	3	1.90	1.90
0.6	7	r	dr	c	1	7	1	1.81	1.81
0.6	7	r	dr	c	0	10	4	1.81	1.81
0.6	7	c	c	dr	1	7	1	2.01	2.01
0.6	7	c	c	dr	0	10	6	2.01	2.01
0.6	7	c	r	c	1	7	1	1.90	1.90
0.6	7	c	r	c	0	10	3	1.90	1.90
0.6	7	r	r	dr	1	7	1	1.96	1.96
0.6	7	r	r	dr	0	10	4	1.96	1.96
0.6	7	r	c	c	1	7	1	2.07	2.07
0.6	7	r	c	c	0	10	4	2.07	2.07
0.2	7	c	c	r	1	4	1	2.00	2.00
0.2	7	c	c	r	0	10	7	2.00	2.00
0.6	7	r	c	r	1	7	1	2.06	2.06
0.6	7	r	c	r	0	10	6	2.06	2.06
0.2	5	c	c	r	1	4	1	2.00	2.00
0.2	5	c	c	r	0	10	10	2.00	2.00
0.2	3	c	c	dr	1	4	1	2.01	2.01

0.2	3	c	c	dr	0	10	7	2.01	2.01
0.4	5	c	c	r	1	7	2	2.00	2.00
0.4	5	c	c	r	0	10	9	2.00	2.00
0.2	7	c	c	dr	1	4	1	2.01	2.01
0.2	7	c	c	dr	0	10	7	2.01	2.01
0.2	5	c	c	c	1	4	1	2.00	2.00
0.2	5	c	c	c	0	10	9	2.00	2.00
0.4	5	c	c	c	1	7	2	2.00	2.00
0.4	5	c	c	c	0	10	9	2.00	2.00
0.6	3	c	c	r	1	7	1	2.00	2.00
0.6	3	c	c	r	0	10	7	2.00	2.00
0.4	3	c	c	r	1	7	2	2.00	2.00
0.4	3	c	c	r	0	10	8	2.00	2.00
0.2	7	r	c	dr	1	4	1	2.01	2.01
0.2	7	r	c	dr	0	10	9	2.01	2.01
0.6	7	c	c	r	1	7	1	2.00	2.00
0.6	7	c	c	r	0	10	9	2.00	2.00
0.6	7	r	c	dr	1	7	1	2.06	2.06
0.6	7	r	c	dr	0	10	5	2.06	2.06
0.4	7	c	c	r	1	7	1	2.00	2.00
0.4	7	c	c	r	0	10	8	2.00	2.00
0.6	5	r	c	dr	1	7	1	2.30	2.30
0.6	5	r	c	dr	0	10	2	2.30	2.30
0.4	7	c	c	c	1	7	1	2.00	2.00
0.4	7	c	c	c	0	10	6	2.00	2.00
0.6	7	r	dr	r	1	7	1	1.80	1.80
0.6	7	r	dr	r	0	10	2	1.80	1.80
0.6	7	r	r	r	1	7	1	1.96	1.96
0.6	7	r	r	r	0	10	2	1.96	1.96
0.4	7	r	c	r	1	7	2	2.00	2.00
0.4	7	r	c	r	0	10	28	2.00	2.00
0.4	7	r	c	dr	1	7	2	2.01	2.01
0.4	7	r	c	dr	0	10	8	2.01	2.01
0.4	7	c	c	dr	1	7	1	2.01	2.01
0.4	7	c	c	dr	0	10	5	2.01	2.01
0.4	3	c	c	c	1	7	2	2.00	2.00
0.4	3	c	c	c	0	10	7	2.00	2.00
0.4	3	c	c	dr	1	7	1	2.01	2.01
0.4	3	c	c	dr	0	10	6	2.01	2.01

0.4	5	c	c	dr	1	7	1	2.01	2.01
0.4	5	c	c	dr	0	10	6	2.01	2.01
0.2	5	c	c	dr	1	4	1	2.01	2.01
0.2	5	c	c	dr	0	10	7	2.01	2.01
0.2	7	r	c	c	1	4	1	2.00	2.00
0.2	7	r	c	c	0	10	19	2.00	2.00
0.6	5	c	c	dr	1	7	1	2.01	2.01
0.6	5	c	c	dr	0	10	11	2.01	2.01
0.6	7	c	c	c	1	7	1	2.00	2.00
0.6	7	c	c	c	0	10	7	2.00	2.00
0.6	3	r	c	r	1	7	1	3.31	3.31
0.6	3	r	c	r	0	10	2	3.31	3.31
0.6	5	c	c	c	1	7	1	2.00	2.00
0.6	5	c	c	c	0	10	10	2.00	2.00
0.6	5	r	dr	c	1	7	0	2.24	2.24
0.6	5	r	dr	c	0	10	1	2.24	2.24
0.2	5	r	c	dr	1	4	1	2.01	2.01
0.2	5	r	c	dr	0	10	46	2.01	2.01
0.6	3	r	dr	dr	1	7	1	3.37	3.37
0.6	3	r	dr	dr	0	10	1	3.37	3.37
0.6	5	r	dr	r	1	7	0	2.23	2.23
0.6	5	r	dr	r	0	10	1	2.23	2.23
0.6	5	c	c	r	1	7	1	2.00	2.00
0.6	5	c	c	r	0	10	12	2.00	2.00
0.6	3	r	c	c	1	7	1	3.35	3.35
0.6	3	r	c	c	0	10	2	3.35	3.35
0.6	3	r	r	dr	1	7	0	3.23	3.23
0.6	3	r	r	dr	0	10	1	3.23	3.23
0.2	3	c	c	r	1	4	1	2.00	2.00
0.2	3	c	c	r	0	10	11	2.00	2.00
0.6	5	r	c	c	1	7	1	2.38	2.38
0.6	5	r	c	c	0	10	2	2.38	2.38
0.6	5	c	dr	r	1	7	1	1.73	1.73
0.6	5	c	dr	r	0	10	3	1.73	1.73
0.2	5	r	c	c	1	4	1	2.00	2.00
0.2	5	r	c	c	0	10	10000	2.00	1.50
0.6	3	c	dr	c	1	7	1	1.73	1.73
0.6	3	c	dr	c	0	10	1	1.73	1.73
0.6	3	c	dr	r	1	7	1	1.73	1.73

0.6	3	c	dr	r	0	10	1	1.73	1.73
0.6	3	c	dr	dr	1	7	0	1.72	1.72
0.6	3	c	dr	dr	0	10	1	1.72	1.72
0.2	3	c	c	c	1	4	1	2.00	2.00
0.2	3	c	c	c	0	10	14	2.00	2.00
0.6	3	c	r	dr	1	7	1	1.90	1.90
0.6	3	c	r	dr	0	10	3	1.90	1.90
0.6	3	c	r	c	1	7	1	1.90	1.90
0.6	3	c	r	c	0	10	3	1.90	1.90
0.2	7	c	c	c	1	4	1	2.00	2.00
0.2	7	c	c	c	0	10	10000	2.00	1.20
0.6	5	r	r	r	1	7	1	2.31	2.31
0.6	5	r	r	r	0	10	1	2.31	2.31

上昇率	GAP	makespan	cost	Code
4.0%	0.0%	13.17	951300	2
4.0%	0.0%	14.02	957529	2
3.9%	0.0%	8.02	768018	2
3.9%	1.0%	8.36	794309	9
3.8%	0.0%	7.98	771741	2
3.8%	0.7%	8.15	814941	9
3.8%	0.0%	13.17	983753	2
3.8%	0.0%	14.01	986591	2
3.6%	0.0%	13.17	1000000	2
3.6%	0.0%	14.00	1000000	2
3.6%	0.0%	8.02	767982	2
3.6%	0.4%	8.44	782121	9
3.4%	0.0%	13.78	968676	2
3.4%	0.0%	14.56	969787	2
3.3%	0.0%	13.78	979847	2
3.3%	0.0%	14.52	984506	2
3.2%	0.0%	13.78	935460	2
3.2%	0.0%	14.53	934543	2
3.2%	0.0%	9.98	918295	2
3.2%	0.0%	10.68	908452	2
3.1%	0.0%	8.08	795257	2
3.1%	0.0%	8.39	814353	2
3.1%	0.0%	8.20	782102	2
3.1%	0.0%	8.48	804294	2
3.1%	0.0%	10.15	895037	2
3.1%	0.0%	10.83	885179	2
3.0%	0.0%	8.34	763541	2
3.0%	0.0%	8.65	779819	2
2.8%	0.0%	10.17	874424	2
2.8%	0.0%	10.90	855198	2
2.7%	0.0%	8.03	740086	2
2.7%	0.0%	8.14	770653	2
2.7%	0.0%	7.88	759235	2
2.7%	0.0%	8.11	777936	2
2.7%	0.0%	8.03	737534	2
2.7%	0.0%	8.12	770417	2
2.7%	0.0%	8.05	739033	2
2.7%	0.0%	8.21	764415	2

2.6%	0.0%	7.87	758490	2
2.6%	0.0%	8.09	776566	2
2.6%	0.0%	7.88	759977	2
2.6%	0.0%	8.11	778047	2
2.6%	0.0%	9.75	974815	2
2.6%	0.0%	10.25	975891	2
2.6%	0.0%	7.81	767032	2
2.6%	0.0%	8.02	786156	2
2.6%	0.0%	7.80	766156	2
2.6%	0.0%	8.01	784791	2
2.5%	0.0%	7.81	767646	2
2.5%	0.0%	8.02	786244	2
2.5%	0.0%	9.75	976559	2
2.5%	0.0%	10.25	976007	2
2.5%	0.0%	9.68	856884	2
2.5%	0.0%	10.10	861178	2
2.5%	0.0%	9.65	964878	2
2.5%	0.0%	10.17	961149	2
2.5%	0.0%	9.65	966611	2
2.5%	0.0%	10.17	962482	2
2.4%	0.0%	9.75	980075	2
2.4%	0.0%	10.25	976239	2
2.3%	0.0%	15.67	879215	2
2.3%	0.0%	15.68	933790	2
2.2%	0.0%	9.66	867832	2
2.2%	0.0%	9.90	885078	2
2.2%	0.0%	9.65	970102	2
2.2%	0.0%	10.26	950634	2
2.0%	0.0%	9.52	884275	2
2.0%	0.0%	9.81	892063	2
1.7%	0.0%	15.67	923458	2
1.7%	0.0%	15.63	969165	2
1.5%	0.0%	15.67	935713	2
1.5%	0.0%	15.63	976425	2
1.2%	0.0%	9.22	921817	2
1.2%	0.0%	9.33	933107	2
1.2%	0.0%	9.22	926817	2
1.2%	0.0%	9.33	938147	2
1.2%	0.0%	9.22	923476	2

1.2%	0.0%	9.33	934787	2
1.2%	0.0%	10.00	1000000	2
1.2%	1.2%	10.24	1000000	9
1.1%	0.0%	9.12	913918	2
1.1%	0.2%	9.23	924331	9
1.1%	0.0%	9.12	917202	2
1.1%	0.3%	9.23	927577	9
1.1%	0.0%	9.12	912311	2
1.1%	0.3%	9.23	922599	9
0.9%	0.0%	10.00	1001800	2
0.9%	0.9%	10.21	1000061	9
0.9%	0.0%	9.10	914971	2
0.9%	0.0%	9.19	923169	2
0.9%	0.0%	9.10	910059	2
0.9%	0.0%	9.18	918307	2
0.9%	0.0%	9.10	914954	2
0.9%	0.0%	9.18	923012	2
0.9%	0.0%	9.10	910039	2
0.9%	0.0%	9.18	918224	2
0.9%	0.0%	9.10	911684	2
0.9%	0.0%	9.18	919881	2
0.9%	0.0%	9.10	914548	2
0.9%	0.0%	9.18	922762	2
0.9%	0.0%	9.10	911775	2
0.9%	0.0%	9.18	919968	2
0.9%	0.0%	9.10	911273	2
0.9%	0.0%	9.18	919456	2
0.9%	0.0%	9.10	909638	2
0.9%	0.0%	9.18	917801	2
0.9%	0.0%	7.29	704359	2
0.9%	0.0%	7.21	724951	2
0.8%	0.0%	7.15	714984	2
0.8%	0.0%	7.21	721058	2
0.8%	0.0%	7.15	716133	2
0.8%	0.0%	7.21	722356	2
0.8%	0.0%	7.26	707918	2
0.8%	0.0%	7.21	724794	2
0.8%	0.0%	7.15	715111	2
0.8%	0.0%	7.21	720904	2

0.8%	0.0%	7.15	716402	2
0.8%	0.0%	7.21	722202	2
0.8%	0.0%	7.27	704289	2
0.8%	0.0%	7.19	723167	2
0.8%	0.0%	7.14	713636	2
0.8%	0.0%	7.19	719283	2
0.8%	0.0%	7.14	714945	2
0.8%	0.0%	7.19	720577	2
0.8%	0.0%	10.00	1005400	2
0.8%	0.8%	10.20	1000214	9
0.7%	0.0%	7.35	735352	2
0.7%	0.0%	7.40	740368	2
0.7%	0.0%	7.35	739324	2
0.7%	0.0%	7.40	744366	2
0.7%	0.0%	7.35	736689	2
0.7%	0.0%	7.40	741701	2
0.6%	0.0%	10.00	1000000	2
0.6%	0.0%	10.12	1000000	2
0.5%	0.0%	10.00	1001800	2
0.5%	0.0%	10.12	1000977	2
0.5%	0.0%	10.00	1005400	2
0.5%	0.0%	10.12	1002932	2
0.4%	0.0%	8.82	882325	2
0.4%	0.0%	8.86	885778	2
0.4%	0.0%	8.82	883911	2
0.4%	0.0%	8.86	887372	2
0.4%	0.0%	8.82	887096	2
0.4%	0.0%	8.86	890561	2
0.4%	0.0%	8.82	883369	2
0.4%	0.0%	8.85	886701	2
0.4%	0.0%	8.82	881798	2
0.4%	0.0%	8.85	885108	2
0.4%	0.0%	8.82	883870	2
0.4%	0.0%	8.86	887180	2
0.4%	0.0%	8.82	887060	2
0.4%	0.0%	8.86	890369	2
0.4%	0.0%	8.82	882314	2
0.4%	0.0%	8.86	885586	2
0.4%	0.0%	8.82	886623	2

0.4%	0.0%	8.85	889884	2
0.2%	0.0%	8.91	895687	2
0.2%	0.0%	8.93	897615	2
0.2%	0.0%	8.91	890898	2
0.2%	0.0%	8.93	892794	2
0.2%	0.0%	8.91	892544	2
0.2%	0.0%	8.93	894401	2
0.0%	0.0%	23.50	883385	2
0.0%	0.0%	23.50	883642	2
0.0%	0.0%	9.19	806835	2
0.0%	0.0%	9.19	806800	2
0.0%	0.0%	24.67	979709	2
0.0%	0.0%	24.67	979950	2
0.0%	0.0%	24.67	965587	2
0.0%	0.0%	24.67	965591	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001795	2
0.0%	0.0%	23.41	961178	2
0.0%	0.0%	23.41	961224	2
0.0%	0.0%	9.71	823375	2
0.0%	0.0%	9.71	823375	2
0.0%	0.0%	9.17	805260	2
0.0%	0.0%	9.17	805664	2
0.0%	0.0%	13.66	887845	2
0.0%	0.0%	13.66	887831	2
0.0%	0.0%	13.66	956591	2
0.0%	0.0%	13.66	956614	2
0.0%	0.0%	10.13	947799	2
0.0%	0.0%	10.13	947816	2
0.0%	0.0%	8.95	836415	2
0.0%	0.0%	8.95	836393	2
0.0%	0.0%	23.41	977725	2
0.0%	0.0%	23.41	977746	2
0.0%	0.0%	13.80	972969	2
0.0%	0.0%	13.80	972977	2
0.0%	0.0%	13.85	800756	2
0.0%	0.0%	13.85	800806	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001799	2

0.0%	0.0%	9.49	950326	2
0.0%	0.0%	9.49	950326	2
0.0%	0.0%	9.04	827947	2
0.0%	0.0%	9.04	827913	2
0.0%	0.0%	9.49	953741	2
0.0%	0.0%	9.49	953742	2
0.0%	0.0%	9.49	948619	2
0.0%	0.0%	9.49	948619	2
0.0%	0.0%	9.48	950121	2
0.0%	0.0%	9.48	950121	2
0.0%	0.0%	8.96	838039	2
0.0%	0.0%	8.96	838039	2
0.0%	0.0%	9.48	949890	2
0.0%	0.0%	9.48	949890	2
0.0%	11.9%	10.00	1000000	9
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	9.48	953304	2
0.0%	0.0%	9.48	953304	2
0.0%	0.0%	9.65	839895	2
0.0%	0.0%	9.65	839895	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	9.48	948184	2
0.0%	0.0%	9.48	948184	2
0.0%	0.0%	10.13	946852	2
0.0%	0.0%	10.13	946852	2
0.0%	0.0%	10.68	1000000	2
0.0%	0.0%	10.68	1000000	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.68	996780	2
0.0%	0.0%	10.68	996780	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1005400	2

0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.68	990339	2
0.0%	0.0%	10.68	990339	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	13.80	918906	2
0.0%	0.0%	13.80	918906	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	9.61	841494	2
0.0%	0.0%	9.61	841494	2
0.0%	0.0%	10.13	947483	2
0.0%	0.0%	10.13	947483	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2

0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	23.50	961128	2
0.0%	0.0%	23.50	961128	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	13.67	868110	2
0.0%	0.0%	13.67	868110	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	10.00	1005400	2
0.0%	0.0%	24.81	893579	2
0.0%	0.0%	24.81	893579	2
0.0%	0.0%	13.67	866543	2
0.0%	0.0%	13.67	866543	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	23.50	1000000	2
0.0%	0.0%	23.50	1000000	2
0.0%	0.0%	23.41	893883	2
0.0%	0.0%	23.41	893883	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	10.00	1001800	2
0.0%	0.0%	13.80	1000000	2
0.0%	0.0%	13.80	1000000	2
0.0%	0.0%	9.05	829573	2
0.0%	0.0%	9.05	829573	2
0.0%	0.0%	10.00	1000000	2
0.0%	25.0%	10.00	1000000	9
0.0%	0.0%	8.95	837002	2
0.0%	0.0%	8.95	837002	2
0.0%	0.0%	9.04	828534	2

0.0%	0.0%	9.04	828534	2
0.0%	0.0%	9.17	806716	2
0.0%	0.0%	9.17	806716	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	10.00	1000000	2
0.0%	0.0%	9.48	953536	2
0.0%	0.0%	9.48	953536	2
0.0%	0.0%	9.48	948414	2
0.0%	0.0%	9.48	948414	2
0.0%	0.0%	10.00	1000000	2
0.0%	39.8%	10.00	1000000	9
0.0%	0.0%	13.66	942637	2
0.0%	0.0%	13.66	942613	2