

Results_Search_Algorithms_(sorted by n p #)

Instance			Best Bounds		Input Bounds		Output Lower Bound					Output Upper Bound					Gap = 100*(ub-lb)/ub					Time (s)				
n	p	#	LB	UB	LB	UB	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS
50	5	1	22.804	22.804	0	24.5153	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	0.00	0.00	0.00	0.00	0.00	5.83	1.08	1.11	1.07	0.81
50	5	2	22.672	22.672	0	24.1868	22.6716	22.6716	22.6716	22.6716	22.6716	22.6716	22.6716	22.6716	22.6716	22.6716	0.00	0.00	0.00	0.00	0.00	4.96	1.44	1.06	0.82	0.62
50	5	3	22.804	22.804	0	23.5372	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	0.00	0.00	0.00	0.00	0.00	5.66	1.09	1.02	1.87	0.67
50	5	4	23.77	23.77	0	29	23.7697	23.7697	23.7697	23.7697	23.7697	23.7697	23.7697	23.7697	23.7697	23.7697	0.00	0.00	0.00	0.00	0.00	6.25	1.94	1.49	2.40	2.09
50	5	5	21.024	21.024	0	24.6982	21.0238	21.0238	21.0238	21.0238	21.0238	21.0238	21.0238	21.0238	21.0238	21.0238	0.00	0.00	0.00	0.00	0.00	3.92	0.85	0.58	0.79	0.73
50	7	1	19.849	19.849	0	24.6982	19.8494	19.8494	19.8494	19.8494	19.8494	19.8494	19.8494	19.8494	19.8494	19.8494	0.00	0.00	0.00	0.00	0.00	4.45	1.59	1.28	1.28	1.75
50	7	2	20.125	20.125	0	20.5183	20.1246	20.1246	20.1246	20.1246	20.1246	20.1246	20.1246	20.1246	20.1246	20.1246	0.00	0.00	0.00	0.00	0.00	3.51	0.58	1.76	0.88	0.45
50	7	3	17.805	17.805	0	19.2094	17.8045	17.8045	17.8045	17.8045	17.8045	17.8045	17.8045	17.8045	17.8045	17.8045	0.00	0.00	0.00	0.00	0.00	3.23	0.97	2.39	1.19	0.77
50	7	4	23.345	23.345	0	24.4131	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	0.00	0.00	0.00	0.00	0.00	15.74	4.53	4.71	2.50	1.89
50	7	5	18.788	18.788	0	19.2094	18.7883	18.7883	18.7883	18.7883	18.7883	18.7883	18.7883	18.7883	18.7883	18.7883	0.00	0.00	0.00	0.00	0.00	3.58	2.68	1.55	1.27	1.64
50	12	1	13.892	13.892	0	13.9284	13.8924	13.8924	13.8924	13.8924	13.8924	13.8924	13.8924	13.8924	13.8924	13.8924	0.00	0.00	0.00	0.00	0.00	1.19	0.63	0.48	0.59	1.04
50	12	2	13.038	12.806	0	13.0384	13.0384	13.0384	13.0384	13.0384	8.24621	13.0384	13.0384	13.0384	13.0384	12.8062	0.00	0.00	0.00	0.00	35.61	1.14	0.48	0.42	0.35	1.05
50	12	3	14.422	14.318	0	14.4222	14.4222	14.4222	14.4222	14.4222	0	14.4222	14.4222	14.4222	14.4222	14.3178	0.00	0.00	0.00	0.00	100.00	1.02	0.43	0.18	0.29	0.83
50	12	4	14.422	14.422	0	15.8114	14.4222	14.4222	14.4222	14.4222	14.4222	14.4222	14.4222	14.4222	14.4222	14.4222	0.00	0.00	0.00	0.00	0.00	2.12	0.99	1.53	0.79	2.12
50	12	5	13.038	13.038	0	15.8114	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	0.00	0.00	0.00	0.00	0.00	0.93	0.49	1.89	0.74	0.32
50	16	1	11.18	11.18	0	11.6619	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	0.00	0.00	0.00	0.00	0.00	0.37	0.24	0.21	0.21	0.12
50	16	2	11.402	11.402	0	13.4164	11.4018	11.4018	11.4018	11.4018	11.4018	11.4018	11.4018	11.4018	11.4018	11.4018	0.00	0.00	0.00	0.00	0.00	0.55	0.33	0.28	0.48	0.31
50	16	3	11.18	11.18	0	14.0357	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.25	0.23	0.20
50	16	4	12.806	12.806	0	15.2315	12.8062	12.8062	12.8062	12.8062	12.8062	12.8062	12.8062	12.8062	12.8062	12.8062	0.00	0.00	0.00	0.00	0.00	1.17	0.48	0.57	0.58	0.55
50	16	5	12.042	12.042	0	13.6015	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	0.00	0.00	0.00	0.00	0.00	0.60	0.30	0.39	0.34	0.29
100	10	1	22.204	22.204	0	22.8035	22.2036	22.2036	22.2036	22.2036	22.2036	22.2036	22.2036	22.2036	22.2036	22.2036	0.00	0.00	0.00	0.00	0.00	17.41	2.53	6.09	5.29	2.29
100	10	2	23.345	23.345	0	27.0185	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	23.3452	0.00	0.00	0.00	0.00	0.00	35.62	27.42	18.45	28.61	35.27
100	10	3	22.804	22.804	0	24.7588	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	22.8035	0.00	0.00	0.00	0.00	0.00	52.60	36.96	22.46	25.88	21.53
100	10	4	22.361	22.361	0	25.2982	22.3607	22.3607	22.3607	22.3607	22.3607	22.3607	22.3607	22.3607	22.3607	22.3607	0.00	0.00	0.00	0.00	0.00	18.52	8.98	9.65	7.31	10.22
100	10	5	23.087	23.087	0	27.074	23.0868	23.0868	23.0868	23.0868	23.0868	23.0868	23.0868	23.0868	23.0868	23.0868	0.00	0.00	0.00	0.00	0.00	26.70	10.05	10.77	12.55	4.86
100	14	1	17.889	17.889	0	19.7231	17.8885	17.8885	17.8885	17.8885	17.8885	17.8885	17.8885	17.8885	17.8885	17.8885	0.00	0.00	0.00	0.00	0.00	7.70	2.34	6.28	2.24	1.83
100	14	2	18.028	18.028	0	19.4165	18.0278	18.0278	18.0278	18.0278	18.0278	18.0278	18.0278	18.0278	18.0278	18.0278	0.00	0.00	0.00	0.00	0.00	45.76	34.16	19.66	52.44	40.22
100	14	3	17.464	17.464	0	21.3776	17.4642	17.4642	17.4642	17.4642	17.4642	17.4642	17.4642	17.4642	17.4642	17.4642	0.00	0.00	0.00	0.00	0.00	6.75	2.90	5.19	4.74	3.43
100	14	4	18.439	18.439	0	20.8806	18.4391	18.4391	18.4391	18.4391	18.4391	18.4391	18.4391	18.4391	18.4391	18.4391	0.00	0.00	0.00	0.00	0.00	11.36	8.43	7.12	11.89	5.28
100	14	5	17.029	17.029	0	18.3848	17.0294	17.0294	17.0294	17.0294	17.0294	17.0294	17.0294	17.0294	17.0294	17.0294	0.00	0.00	0.00	0.00	0.00	6.40	3.40	4.66	5.45	1.53
100	25	1	14.765	14.765	0	18.0278	14.7648	14.7648	14.7648	14.7648	14.7648	14.7648	14.7648	14.7648	14.7648	14.7648	0.00	0.00	0.00	0.00	0.00	93.91	87.45	112.15	92.24	64.76
100	25	2	13.038	13.038	0	15.2971	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	0.00	0.00	0.00	0.00	0.00	2.37	0.71	1.76	1.04	1.33
100	25	3	15.297	15.297	0	19.4165	15.2971	15.2971	15.2971	15.2971	15.2971	15.2971	15.2971	15.2971	15.2971	15.2971	0.00	0.00	0.00	0.00	0.00	90.60	415.39	116.21	141.23	172.66
100	25	4	13.038	13.038	0	17.6918	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	0.00	0.00	0.00	0.00	0.00	2.55	1.05	1.20	1.05	1.30
100	25	5	14.422	14.422	0	20.8806	14.3178	14.4222	14.3178	14.3178	14.1421	20.8087	15.2315	14.7648	14.4222	14.5602	31.19	5.31	3.03	0.72	2.87	600.00	600.00	600.00	600.00	600.00
100	33	1	13.038	13.038	0	14.3178	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	0.00	0.00	0.00	0.00	0.00	5.76	7.44	4.89	9.54	2.69
100	33	2	16.125	16.125	0	20.1246	16.1245	16.1245	16.1245	16.1245	16.1245	16.1245	16.1245	16.1245	16.1245	16.1245	0.00	0.00	0.00	0.00	0.00	121.99	103.29	175.24	63.76	81.66
100	33	3	13.342	13.342	0	18.1108	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	0.00	0.00	0.00	0.00	0.00	70.17	125.13	162.50	74.01	74.65
100	33	4	14.213	14.213	0	18.2483	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	0.00	0.00	0.00	0.00	0.00	12.97	7.28	7.33	8.06	21.12
100	33	5	11.18	11.18	0	15.6525	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	11.1803	0.00	0.00	0.00	0.00	0.00	2.02	0.83	2.56	1.12	1.28
150	15	1	20.518	20.518	0	24.0416	20.5183	20.5183	20.5183	20.5183	20.5183	20.5183	20.5183	20.5183	20.5183	20.5183	0.00	0.00	0.00	0.00	0.00	27.79	10.17	14.70	15.11	5.86
150	15	2	20.616	20.616	0	21.5407	20.6155	20.6155	20.6155	20.6155	20.6155	20.6155	20.6155	20.6155	20.6155	20.6155	0.00	0.00	0.00	0.00	0.00	30.69	9.68	14.80	13.28	3.60
150	15	3	20.881	20.881	0	24.5967	20.8806	20.8806	20.8806	20.8806	20.8806	20.8806	20.8806	20.8806	20.8806	20.8806	0.00	0.00	0.00	0.00	0.00	32.79</				

Results_Search_Algorithms_(sorted by n p #)

Instance			Best Bounds		Input Bounds		Output Lower Bound					Output Upper Bound					Gap = 100*(ub-lb)/lb					Time (s)				
n	p	#	LB	UB	LB	UB	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS
200	50	3	17	17	0	21.2132	17	17	17	17	17	17	17	17	17	17	0.00	0.00	0.00	0.00	0.00	54.88	50.77	53.75	26.52	87.70
		4	17.117	17.117	0	20.0998	17.1172	17.1172	17.1172	17.1172	17.1172	17.1172	17.1172	17.1172	17.1172	17.1172	0.00	0.00	0.00	0.00	0.00	37.62	20.06	20.03	16.99	12.38
		5	17	17	0	25	17	17	17	17	17	17	17	17	17	17	0.00	0.00	0.00	0.00	0.00	77.37	58.63	27.93	18.40	55.38
		1	13.342	13.342	0	16.7631	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	0.00	0.00	0.00	0.00	0.00	24.76	9.26	11.11	24.24	14.94
		2	14.142	14.142	0	18.1108	14.1421	14.1421	14.1421	14.1421	14.1421	14.1421	14.1421	14.1421	14.1421	14.1421	0.00	0.00	0.00	0.00	0.00	171.41	171.28	112.88	78.24	124.66
200	66	3	12.207	12.207	0	16.2788	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	0.00	0.00	0.00	0.00	0.00	118.57	396.23	128.18	206.05	135.00
		4	14.213	14.213	0	20.2485	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	14.2127	29.81	3.74	0.00	0.00	0.50	600.00	600.00	269.36	530.89	600.00
		5	13.342	13.342	0	17.088	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	13.3417	0.00	0.00	0.00	0.00	0.00	315.14	237.92	58.46	215.30	258.88
		1	13.038	13.038	0	21.9317	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	13.0384	0.00	0.00	0.00	0.00	0.00	23.70	13.89	13.02	14.85	16.75
		2	12.207	12.207	0	18.3848	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	0.00	0.00	0.00	0.00	0.00	214.40	267.52	209.24	171.00	522.05
300	30	3	12.042	12.042	0	17.0294	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	0.00	0.00	0.00	0.00	0.00	7.23	8.07	5.29	4.61	8.08
		4	12.207	12.53	0	15.6525	12.2066	11.4018	12.2066	12.1655	12.1655	15.6525	15.6525	12.53	13.0384	12.7279	22.02	27.16	2.58	6.69	4.42	600.00	600.00	600.00	600.00	600.00
		5	12.083	12.083	0	17.4642	12.083	12.083	12.083	12.083	12.083	12.083	12.083	12.083	12.083	12.083	0.00	0.00	0.00	0.00	0.00	20.78	12.83	17.11	15.93	18.46
		1	19.698	19.698	0	25	19.6977	19.6977	19.6977	19.6977	19.6977	19.6977	19.6977	19.6977	19.6977	19.6977	0.00	0.00	0.00	0.00	0.00	74.89	147.63	60.97	114.57	98.41
		2	19.849	19.849	0	27	19.7231	19.6977	19.8494	19.7231	19.799	27	20.3961	19.8494	19.8494	20.2237	26.95	3.42	0.00	0.64	2.10	600.00	600.00	514.01	600.00	600.00
300	42	3	20.1	20.1	0	26	20.0998	20.0998	20.025	20.0998	20.0998	20.0998	20.0998	20.0998	20.0998	20.0998	0.00	0.00	0.37	0.00	0.00	560.21	589.99	600.00	251.90	484.98
		4	21.024	21.633	0	25	21.0238	20.8087	20.8806	20.8087	17.0294	25	25	22.1359	21.6333	25	15.90	16.77	5.67	3.81	31.88	600.00	600.00	600.00	600.00	600.00
		5	20.249	20.249	0	24	20.1246	20.2237	20.0998	20.2485	20.1246	24	20.6155	21.9317	20.2485	20.2485	16.15	1.90	8.35	0.00	0.61	600.00	600.00	600.00	514.53	600.00
		1	17.692	17.692	0	22	17.6918	17.6918	17.6918	17.6918	17.4929	22	17.6918	17.8885	17.6918	17.72	19.58	0.00	1.10	0.00	1.28	600.00	595.03	600.00	425.44	600.00
		2	17.464	17.493	0	22	17.4642	17.4642	17.4642	17.4642	17.0294	22	17.72	17.4929	17.4929	17.8885	20.62	1.44	0.16	0.16	4.80	600.00	600.00	600.00	600.00	600.00
300	75	3	17.088	17.205	0	22	17.0294	17.088	16.7631	17.088	17.0294	22	17.72	18	17.2047	17.4642	22.59	3.57	6.87	0.68	2.49	600.00	600.00	598.89	600.00	600.00
		4	17.464	18.788	0	22	17.4642	16.6433	15.2971	16.9706	17.0294	22	22	22	19.7231	18.7883	20.62	24.35	30.47	13.96	9.36	600.00	600.00	600.00	600.00	598.94
		5	17.493	20.125	0	26	17.4929	16.7631	17.2047	12.083	1	26	26	20.1246	26	26	32.72	35.53	14.51	53.53	96.15	600.00	600.00	598.87	600.00	598.12
		1	13.416	13.416	0	19	13.4164	13.4164	13.4164	13.4164	13.4164	13.4164	13.4164	13.4164	13.4164	13.4164	0.00	0.00	0.00	0.00	0.00	183.60	229.25	477.67	123.25	510.76
		2	13.038	13.892	0	19	13.0384	13.0384	11	12.1655	12.8062	19	14	19	13.9284	13.8924	31.38	6.87	42.11	12.66	7.82	600.00	600.00	600.00	598.92	600.00
500	50	3	13.342	13.416	0	20	13.3417	13.3417	13.3417	13.3417	13.1529	20	13.4164	13.6015	13.4164	13.4536	33.29	0.56	1.91	0.56	2.24	598.36	600.00	600.00	600.00	600.00
		4	14.422	15	0	20	14.4222	13.4536	14.4222	9.89949	13.6015	20	20	15	20	15.2971	27.89	32.73	3.85	50.50	11.08	598.11	600.00	600.00	600.00	598.76
		5	13.342	13.892	0	18	13.3417	13.3417	10.7703	9.05539	13.0384	18	14.2127	18	18	13.8924	25.88	6.13	40.17	49.69	6.15	600.00	600.00	598.76	598.37	598.47
		1	12.042	12.042	0	17	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	12.0416	0.00	0.00	0.00	0.00	0.00	27.10	18.85	47.31	23.86	38.00
		2	12.369	12.369	0	19	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	0.00	0.00	0.00	0.00	0.00	130.17	45.66	63.50	67.04	101.02
500	100	3	13.038	13.153	0	18	13	13	12.6491	12.8062	13.0384	18	13.1529	13.4164	13.1529	27.78	1.16	5.72	4.01	0.87	598.73	600.00	598.82	600.00	600.00	
		4	12.369	12.369	0	16	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	12.3693	0.00	0.00	0.00	0.00	0.00	34.89	33.98	23.62	23.71	42.41
		5	12.207	12.207	0	17	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	12.2066	0.00	0.00	0.00	0.00	0.00	173.69	80.60	101.59	80.38	81.74
		1	19.417	19.723	0	27	19.4165	19.4165	19.4165	18.3848	18.3848	27	20.2485	19.7231	23.0217	20.8087	28.09	4.11	1.55	20.14	11.65	600.00	600.00	600.00	600.00	600.00
		2	19.799	22	0	29	19.799	18.7883	19.799	19.3132	19.799	29	29	22	24.1868	22.3607	31.73	35.21	10.00	20.15	11.46	600.00	600.00	600.00	600.00	600.00
500	50	3	19.698	20.249	0	27	19.4165	19.4165	19.2354	19.6977	18.3848	27	20.2485	20.8806	20.6155	20.8087	28.09	4.11	7.88	4.45	11.65	600.00	600.00	600.00	600.00	600.00
		4	19.105	19.105	0	26	19.105	19.105	19.105	19.105	19.105	19.105	19.105	19.105	19.105	19.105	0.00	0.00	0.00	0.54	0.00	309.67	496.79	260.00	600.00	457.07
		5	19.105	19.417	0	26	19.105	18.0278	18.868	19.0263	19	26	26	20.1246	20.025	19.4165	26.52									

Results_Search_Algorithms_(sorted by n p #)

Instance			Best Bounds		Input Bounds		Output Lower Bound					Output Upper Bound					Gap = 100*(ub-lb)/ub					Time (s)				
n	p	#	LB	UB	LB	UB	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS	SS	L2	L3	L4	BS
1000	333	5	12.806	13.153	0	22	12.8062	12.8062	12.8062	12.7279	12.7279	22	14.0357	13.1529	13.3417	13.3417	41.79	8.76	2.64	4.60	4.60	600.00	600.00	600.00	600.00	600.00
		1	12.369	13.153	0	24	12.3693	12.3693	8.94427	11.1803	11	24	13.1529	24	16.5529	13.8924	48.46	5.96	62.73	32.46	20.82	600.00	600.00	600.00	600.00	600.00
		2	12.53	13.038	0	24	12.53	12.53	8.94427	11.1803	12.53	24	13.1529	24	16.5529	13.0384	47.79	4.74	62.73	32.46	3.90	600.00	600.00	600.00	600.00	600.00
		3	12.083	12.369	0	21	12.0416	10.7703	12.0416	12.083	9.84886	21	21	12.3693	13	14.1421	42.66	48.71	2.65	7.05	30.36	600.00	600.00	600.00	600.00	600.00
		4	12.649	13.038	0	24	12.6491	11.7047	8.94427	11.1803	12.53	24	24	24	16.5529	13.0384	47.30	51.23	62.73	32.46	3.90	600.00	600.00	600.00	600.00	600.00
2000	200	5	12.728	13	0	23	12.6491	12.7279	12.7279	12.53	12.7279	23	14.0357	13.0384	13.9284	13	45.00	9.32	2.38	10.04	2.09	600.00	600.00	600.00	600.00	600.00
		1	18.601	32	0	32	16.7631	18.6011	16	14.1421	1	32	32	32	32	32	47.62	41.87	50.00	55.81	96.88	600.00	600.00	600.00	600.00	600.00
		2	18	30	0	30	17	18	15.2315	13.4164	1	30	30	30	30	30	43.33	40.00	49.23	55.28	96.67	600.00	600.00	600.00	600.00	600.00
		3	17.263	29	0	29	17	17.2627	15.0333	13.0384	1	29	29	29	29	29	41.38	40.47	48.16	55.04	96.55	600.00	600.00	600.00	600.00	600.00
		4	18.601	32	0	32	16.9706	18.6011	16	14.1421	1	32	32	32	32	32	46.97	41.87	50.00	55.81	96.88	600.00	600.00	600.00	600.00	600.00
2000	285	5	18.601	32	0	32	17	18.6011	16	14.1421	1	32	32	32	32	32	46.88	41.87	50.00	55.81	96.88	600.00	600.00	600.00	600.00	600.00
		1	15.653	19	0	30	15.1327	15	15.6525	15.1327	1	30	30	19	19.799	20.2485	49.56	50.00	17.62	23.57	95.06	600.00	600.00	600.00	600.00	600.00
		2	16	32	0	32	15.0333	15.2971	16	14.1421	1	32	32	32	32	32	53.02	52.20	50.00	55.81	96.88	600.00	600.00	600.00	600.00	600.00
		3	15.297	27	0	27	14.7648	15.2971	14.1421	12.3693	1	27	27	27	27	27	45.32	43.34	47.62	54.19	96.30	600.00	600.00	600.00	600.00	600.00
		4	16	18.788	0	29	15.0333	16	15.5563	14.8661	13.4164	29	29	18.7883	19.2354	19.7231	48.16	44.83	17.20	22.71	31.98	600.00	600.00	600.00	600.00	600.00
2000	500	5	15.653	19	0	30	15	15	15.6525	15.1327	13.9284	30	30	19	19.799	20.2485	50.00	50.00	17.62	23.57	31.21	600.00	600.00	600.00	600.00	600.00
		1	13.038	13.892	0	26	13.0384	13.0384	9.21954	12.083	12.0416	26	13.8924	26	17.8045	15.0333	49.85	6.15	64.54	32.14	19.90	600.00	600.00	600.00	600.00	600.00
		2	12.806	13.153	0	23	12.7279	12.8062	12.6491	12.8062	12.7279	23	14.0357	15.8114	13.9284	13.1529	44.66	8.76	20.00	8.06	3.23	600.00	600.00	600.00	600.00	600.00
		3	12.369	13.153	0	25	12.2066	12.3693	12.1655	12.3693	11.4018	25	13.1529	13.1529	13.1529	14.3178	51.17	5.96	7.51	5.96	20.37	600.00	600.00	600.00	600.00	600.00
		4	12.806	13.892	0	24	12.8062	11.7047	8.94427	12.7279	12.53	24	24	24	14.0357	13.8924	46.64	51.23	62.73	9.32	9.81	600.00	600.00	600.00	600.00	600.00
2000	666	5	13.038	13.928	0	23	13	13.0384	12.6491	12.8062	10.6301	23	14.0357	15.8114	13.9284	15.5563	43.48	7.11	20.00	8.06	31.67	600.00	600.00	600.00	600.00	600.00
		1	12.166	12.53	0	23	12.083	12.1655	12	11	12.083	23	12.6491	12.53	16.1555	12.6491	47.47	3.82	4.23	31.91	4.48	600.00	600.00	600.00	600.00	600.00
		2	12.53	13.153	0	25	12.3693	12.53	12.1655	12.3693	11.4018	25	13.1529	13.1529	13.1529	14.3178	50.52	4.74	7.51	5.96	20.37	600.00	600.00	600.00	600.00	600.00
		3	12.042	12.649	0	23	12.0416	12.0416	8.544	11	10.6301	23	12.6491	23	16.1555	13.1529	47.65	4.80	62.85	31.91	19.18	600.00	600.00	600.00	600.00	600.00
		4	12.207	12.649	0	25	12.1655	12.2066	12.1655	12.083	11.4018	25	13.1529	12.6491	13.1529	13	51.34	7.19	3.82	8.13	12.29	600.00	600.00	600.00	600.00	600.00
3000	300	5	12.083	12.728	0	26	12.083	10.2956	11.6619	12.083	12.0416	26	26	13.6015	13.4536	12.7279	53.53	60.40	14.26	10.19	5.39	600.00	600.00	600.00	600.00	600.00
		1	18	31	0	31	15.5242	18	15.5563	13.9284	1	31	31	31	31	31	49.92	41.94	49.82	55.07	96.77	600.00	600.00	600.00	600.00	600.00
		2	18.601	32	0	32	15.5242	18.6011	16	14.1421	1	32	32	32	32	32	51.49	41.87	50.00	55.81	96.88	600.00	600.00	600.00	600.00	600.00
		3	18	31	0	31	15.5242	18	15.5563	13.9284	1	31	31	31	31	31	49.92	41.94	49.82	55.07	96.77	600.00	600.00	600.00	600.00	600.00
		4	18	30	0	30	15.5242	18	15.2315	13.4164	1	30	30	30	30	30	48.25	40.00	49.23	55.28	96.67	600.00	600.00	600.00	600.00	600.00
3000	428	1	15.033	29	0	29	12.6491	14.3178	15.0333	13.0384	1	29	29	29	29	29	56.38	50.63	48.16	55.04	96.55	600.00	600.00	600.00	600.00	600.00
		2	14.56	28	0	28	13	14.3178	14.5602	12.7279	1	28	28	28	28	28	53.57	48.87	48.00	54.54	96.43	600.00	600.00	600.00	600.00	600.00
		3	16	28	0	28	13	16	14.5602	12.7279	1	28	28	28	28	28	53.57	42.86	48.00	54.54	96.43	600.00	600.00	600.00	600.00	600.00
		4	14.56	28	0	28	13	14.3178	14.5602	12.7279	1	28	28	28	28	28	53.57	48.87	48.00	54.54	96.43	600.00	600.00	600.00	600.00	600.00
		5	15.033	29	0	29	12.8062	14.3178	15.0333	13.0384	1	29	29	29	29	29	55.84	50.63	48.16	55.04	96.55	600.00	600.00	600.00	600.00	600.00
3000	750	1	11.705	14.318	0	25	11	11.7047	9	11.7047	11.4018	25	25	25	17.2047	14.3178	56.00	53.18	64.00	31.97	20.37	600.00	600.00	600.00	600.00	600.00
		2	12.806	13.602	0	26	10.8167	12.8062	12.2066	12.083	12.0416	26	13.8924	13.6015	17.8045	15.0333	58.40	7.82	10.26	32.14	19.90	600.00	600.00	600.00	600.00	600.00
		3	12.728	13.454	0	26	10.7703	12.7279	12.2066	12.7279	12.0416	26	13.8924	13.6015	13.4536	13.4536	58.58	8.38	10.26	5.39	10.50	600.00	600.00	600.00	600.00	600.00
		4	12.369	14.036	0	27	10.8167	12.1655	9.48683	12.3693	12.3693	27	27	14.0357	18.3576	15.5563	59.94	54.94	32.41	32.62	20.49	600.00	600.00	600.00	600.00	600.00
		5	12.728	13.892	0	24	11	11.7047	8.94427	12.7279	12.53	24	24	24	14.0357	13.8924	54.17	51.23	62.73	9.32	9.81	600.00	600.00	600.00	600.00	600.00
3000	1000	1	12.042	12.369	0	24	10.2956	12.0416	11.4018	12.0416	12	24	13.1529	13	12.6491	12.3693	57.10	8.45	12.29	4.80	2.99	600.00	600.00	600.00	600.00	600.00
		2	12.042	13	0	25	10.2956	12.0416	11.6619	11.7047	11.4018	25	13.1529	13.1529	13.1529	13	58.82	8.45	11.34	11.01	12.29	600.00	600.00	600.00	600.00	600.00
		3	12.042	13	0	25	10.2956	12.0416	11.6619	11.7047	11.4018	25	13.1529	13.1529	13.1529	13	58.82	8.45	11.34	11.01	12.29	600.00	600.00	600.00	600.00	600.00
		4	12.042	13	0	25	10.198																			