FEASIBLE DESCENT ALGORITHMS FOR MIXED COMPLEMENTARITY PROBLEMS: COMPLETE NUMERICAL RESULTS

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1 Introduction

This report gives the complete numerical results obtained with the PATH-FB solver described in the accompanying paper [3]. For each problem, we provide the following information:

Problem:	Name of the test example in GAMSLIB/MCPLIB
SP:	Number of starting point
MI:	Number of major iterations
CI:	Number of iterations used in the crash technique
R:	Number of restarts
PG:	Number of projected gradient steps
T:	Time in seconds for PATH-FB (PATH 3.0).

Note that the last column of our tables does not only give the times for the new PATH-FB solver, but also (for the sake of comparison) those for the PATH 3.0 solver [4].

Section 2 gives the detailed results for the test problems from the GAMSLIB collection [1], whereas Section 3 contains the results for the test examples from the MCPLIB collection [2].

2 GAMSLIB Problems

Problem	SP	MI	CI	R	PG	T
cafemge	1	76	0	0	0	0.9 (0.1)
cafemge	2	5	0	0	0	0.1 (0.0)
cammcp	1	1	2	0	0	0.1 (0.0)
cammge	2	4	0	0	0	0.1 (0.1)
cirimge	1	1	1	0	0	0.0 (0.0)
cirimge	2	1	0	0	0	0.0 (0.0)
cirimge	3	4	0	0	0	0.0 (0.1)
cirimge	4	3	0	0	0	0.0 (0.0)
cirimge	5	3	0	0	0	0.0 (0.0)
cirimge	6	4	0	0	0	0.0 (0.0)
co2mge	1	13	0	0	0	0.2 (0.1)
co2mge	2	3	0	0	0	0.1 (0.1)
co2mge	3	4	0	0	0	0.1 (0.1)
co2mge	4	5	0	0	0	0.1 (0.1)
co2mge	5	6	0	0	0	0.1 (0.1)
co2mge	6	6	0	0	0	0.1 (0.1)
dmcmge	1	9	0	0	0	0.3 (0.2)
dmcmge	2	5	0	0	0	0.1 (0.1)
ers82mcp	1	4	1	0	0	0.1 (0.1)
etamge	1	7	0	0	0	0.1 (0.1)
finmge	1	9	0	0	0	0.3 (0.4)
finmge	2	3	0	0	0	0.1 (0.1)
finmge	3	10	0	0	0	0.4 (0.3)
finmge	4	4	0	0	0	0.2 (0.2)
gemmcp	1	0	1	0	0	0.0 (0.0)
gemmcp	2	4	1	0	0	0.2 (0.2)
gemmcp	3	4	1	0	0	0.2 (0.2)
gemmcp	4	3	1	0	0	0.1 (0.1)
gemmge	1	7	0	0	0	0.5 (0.6)
gemmge	2	5	0	0	0	0.4 (0.3)
gemmge	3	6	0	0	0	0.4 (0.3)
gemmge	4	6	0	0	0	0.4 (1.1)
hansmcp	1	8	1	0	0	0.1 (0.1)
hansmge	1	9	0	0	0	0.1 (0.1)
harkmcp	1	6	1	0	0	0.0 (0.0)

GAMSLIB: full results

Problem	SP	MI	CI	R	PG	T
harkmcp	2	3	1	0	0	0.0 (0.0)
harkmcp	3	3	1	0	0	0.0 (0.0)
harkmcp	4	4	1	0	0	0.0 (0.0)
harmge	1	22	0	0	0	0.0 (0.0)
harmge	2	4	0	0	0	0.0 (0.0)
harmge	3	4	0	0	0	0.0 (0.0)
harmge	4	4	0	0	0	0.0 (0.0)
harmge	5	4	0	0	0	0.0 (0.0)
harmge	6	6	0	0	0	0.0 (0.0)
kehomge	1	7	0	0	0	0.0 (0.0)
kehomge	2	7	0	0	0	0.0 (0.0)
kehomge	3	6	0	0	0	0.0 (0.0)
kormcp	1	2	1	0	0	0.0 (0.0)
mr5mcp	1	5	1	0	0	0.1 (0.1)
nsmge	1	9	0	0	0	0.3 (0.1)
oligomcp	1	4	1	0	0	0.0 (0.0)
sammge	1	3	1	0	0	0.0 (0.0)
sammge	2	3	1	0	0	0.0 (0.0)
sammge	3	4	1	0	0	0.0 (0.0)
sammge	4	4	1	0	0	0.0 (0.0)
sammge	5	3	1	0	0	0.0 (0.0)
sammge	6	4	1	0	0	0.0 (0.0)
sammge	7	4	1	0	0	0.0 (0.0)
sammge	8	4	1	0	0	0.0 (0.0)
sammge	9	3	0	0	0	0.0 (0.0)
sammge	10	3	0	0	0	0.0 (0.0)
sammge	11	3	0	0	0	0.0 (0.0)
sammge	12	7	0	0	0	0.0 (0.0)
sammge	13	6	0	0	0	0.0 (0.0)
sammge	14	8	0	0	0	0.0 (0.0)
sammge	15	6	0	0	0	0.0 (0.0)
sammge	16	7	0	0	0	0.0 (0.0)
scarfmcp	1	5	1	0	0	0.0 (0.0)
scarfmge	1	7	0	0	0	0.0 (0.0)
scarfmge	2	6	0	0	0	0.0 (0.0)

GAMSLIB: full results

Problem	SP	MI	CI	R	PG	T
scarfmge	3	8	0	0	0	0.0 (0.0)
scarfmge	4	9	0	0	0	0.0 (0.1)
shovmge	1	1	0	0	0	0.0 (0.0)
shovmge	2	3	0	0	0	0.0 (0.0)
shovmge	3	2	0	0	0	0.0 (0.0)
shovmge	4	3	0	0	0	0.0 (0.0)
threemge	1	3	0	0	0	0.0 (0.0)
threemge	2	5	0	0	0	0.0 (0.0)
threemge	3	5	0	0	0	0.0 (0.0)
threemge	4	4	0	0	0	0.0 (0.0)
threemge	5	5	0	0	0	0.0 (0.0)
threemge	6	5	0	0	0	0.0 (0.0)
threemge	7	4	0	0	0	0.0 (0.0)
threemge	8	5	0	0	0	0.0 (0.0)
threemge	9	5	0	0	0	0.0 (0.0)
transmcp	1	14	0	0	0	0.0 (0.0)
transmcp	2	1	1	0	0	0.0 (0.0)
transmcp	3	1	1	0	0	0.0 (0.0)
two3mcp	1	4	1	0	0	0.0 (0.0)
two3mcp	2	3	1	0	0	0.0 (0.0)
unstmge	1	8	0	0	0	0.0 (0.0)
vonthmcp	1	79	5	1	6	3.8 (0.8)
vonthmge	1	18	0	0	0	0.2 (0.5)
wallmcp	1	1	1	0	0	0.0 (0.0)

GAMSLIB: full results

3 MCPLIB Problems

Problem	SP	MI	CI	R	PG	T
asean9a	1	2	1	0	0	2.9 (2.9)
badfree	1	2	1	0	0	0.0 (0.0)
bert_oc	1	0	3	0	0	0.5 (0.5)
bert_oc	2	0	3	0	0	0.5 (0.5)
bert_oc	3	0	3	0	0	0.5 (0.4)
bert_oc	4	0	3	0	0	0.4 (0.4)
bertsekas	1	5	1	0	0	0.0 (0.0)
bertsekas	2	3	1	0	0	0.0 (0.0)
bertsekas	3	10	1	0	0	0.0 (0.0)
bertsekas	4	5	1	0	0	0.0 (0.0)
bertsekas	5	3	1	0	0	0.0 (0.0)
bertsekas	6	5	1	0	0	0.0 (0.0)
billups	1	284	0	3	6	* (*)
billups	2	284	2	3	6	* (*)
billups	3	290	2	3	6	* (*)
bishop	1	28	0	0	0	49.8 (51.3)
box	1	12	0	0	0	0.0 (0.2)
box	2	5	0	0	0	0.0 (0.0)
box	3	5	0	0	0	0.0 (0.0)
box	4	4	0	0	0	0.0 (0.0)
box	5	4	0	0	0	0.0 (0.0)
box	6	4	0	0	0	0.0 (0.0)
box	7	4	0	0	0	0.0 (0.0)
box	8	5	0	0	0	0.0 (0.0)
box	9	3	0	0	0	0.0 (0.0)
box	10	3	0	0	0	0.0 (0.0)
box	11	3	0	0	0	0.0 (0.0)
box	12	3	0	0	0	0.0 (0.0)
box	13	3	0	0	0	0.0 (0.0)
box	14	3	0	0	0	0.0 (0.0)
box	15	3	0	0	0	0.0 (0.0)
box	16	3	0	0	0	0.0 (0.0)
box	17	3	0	0	0	0.0 (0.0)
box	18	4	0	0	0	0.0 (0.1)
box	19	4	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	20	9	0	0	0	0.1 (0.1)
box	21	4	0	0	0	0.0 (0.0)
box	22	4	0	0	0	0.0 (0.0)
box	23	3	0	0	0	0.0 (0.0)
box	24	4	0	0	0	0.0 (0.0)
box	25	6	0	0	0	0.0 (0.0)
box	26	3	0	0	0	0.0 (0.0)
box	27	3	0	0	0	0.0 (0.0)
box	28	3	0	0	0	0.0 (0.0)
box	29	3	0	0	0	0.0 (0.0)
box	30	3	0	0	0	0.0 (0.0)
box	31	3	0	0	0	0.0 (0.0)
box	32	3	0	0	0	0.0 (0.0)
box	33	3	0	0	0	0.0 (0.0)
box	34	3	0	0	0	0.0 (0.0)
box	35	4	0	0	0	0.0 (0.0)
box	36	4	0	0	0	0.0 (0.0)
box	37	4	0	0	0	0.0 (0.0)
box	38	5	0	0	0	0.0 (0.0)
box	39	5	0	0	0	0.0 (0.0)
box	40	5	0	0	0	0.0 (0.0)
box	41	4	0	0	0	0.0 (0.0)
box	42	4	0	0	0	0.0 (0.0)
box	43	4	0	0	0	0.0 (0.0)
box	44	3	0	0	0	0.0 (0.0)
box	45	3	0	0	0	0.0 (0.0)
box	46	3	0	0	0	0.0 (0.0)
box	47	12	0	0	0	0.1 (0.0)
box	48	4	0	0	0	0.0 (0.0)
box	49	3	0	0	0	0.0 (0.0)
box	50	3	0	0	0	0.0 (0.0)
box	51	3	0	0	0	0.0 (0.0)
box	52	3	0	0	0	0.0 (0.0)
box	53	3	0	0	0	0.0 (0.1)
box	54	3	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	55	3	0	0	0	0.0 (0.0)
box	56	4	0	0	0	0.0 (0.0)
box	57	15	0	0	0	0.1 (0.1)
box	58	4	0	0	0	0.0 (0.0)
box	59	4	0	0	0	0.0 (0.0)
box	60	4	0	0	0	0.0 (0.0)
box	61	3	0	0	0	0.0 (0.0)
box	62	3	0	0	0	0.0 (0.0)
box	63	3	0	0	0	0.0 (0.0)
box	64	3	0	0	0	0.0 (0.0)
box	65	3	0	0	0	0.0 (0.0)
box	66	3	0	0	0	0.0 (0.0)
box	67	3	0	0	0	0.0 (0.0)
box	68	3	0	0	0	0.0 (0.0)
box	69	3	0	0	0	0.0 (0.0)
box	70	3	0	0	0	0.0 (0.0)
box	71	3	0	0	0	0.0 (0.0)
box	72	3	0	0	0	0.0 (0.0)
box	73	4	0	0	0	0.0 (0.1)
box	74	4	0	0	0	0.0 (0.0)
box	75	4	0	0	0	0.0 (0.0)
box	76	4	0	0	0	0.0 (0.0)
box	77	4	0	0	0	0.0 (0.0)
box	78	12	0	0	0	0.0 (0.1)
box	79	24	0	0	0	0.2 (0.1)
box	80	3	0	0	0	0.0 (0.0)
box	81	3	0	0	0	0.0 (0.0)
box	82	3	0	0	0	0.0 (0.0)
box	83	3	0	0	0	0.0 (0.0)
box	84	3	0	0	0	0.0 (0.0)
box	85	3	0	0	0	0.0 (0.0)
box	86	3	0	0	0	0.0 (0.0)
box	87	3	0	0	0	0.0 (0.0)
box	88	3	0	0	0	0.0 (0.0)
box	89	3	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	90	4	0	0	0	0.0 (0.0)
box	91	3	0	0	0	0.0 (0.1)
box	92	4	0	0	0	0.0 (0.0)
box	93	4	0	0	0	0.0 (0.0)
box	94	11	0	0	0	0.0 (0.0)
box	95	4	0	0	0	0.0 (0.0)
box	96	4	0	0	0	0.0 (0.0)
box	97	4	0	0	0	0.0 (0.0)
box	98	4	0	0	0	0.0 (0.0)
box	99	4	0	0	0	0.0 (0.0)
box	100	3	0	0	0	0.0 (0.0)
box	101	3	0	0	0	0.0 (0.0)
box	102	4	0	0	0	0.0 (0.0)
box	103	4	0	0	0	0.0 (0.0)
box	104	4	0	0	0	0.0 (0.0)
box	105	3	0	0	0	0.0 (0.0)
box	106	3	0	0	0	0.0 (0.0)
box	107	3	0	0	0	0.0 (0.0)
box	108	3	0	0	0	0.0 (0.0)
box	109	3	0	0	0	0.0 (0.0)
box	110	3	0	0	0	0.0 (0.0)
box	111	3	0	0	0	0.0 (0.0)
box	112	3	0	0	0	0.0 (0.0)
box	113	3	0	0	0	0.0 (0.0)
box	114	15	0	0	0	0.1 (0.3)
box	115	5	0	0	0	0.0 (0.0)
box	116	3	0	0	0	0.0 (0.0)
box	117	3	0	0	0	0.0 (0.0)
box	118	3	0	0	0	0.0 (0.0)
box	119	3	0	0	0	0.0 (0.0)
box	120	3	0	0	0	0.0 (0.0)
box	121	3	0	0	0	0.0 (0.0)
box	122	3	0	0	0	0.0 (0.0)
box	123	3	0	0	0	0.0 (0.0)
box	124	4	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	125	4	0	0	0	0.0 (0.0)
box	126	5	0	0	0	0.0 (0.0)
box	127	4	0	0	0	0.0 (0.1)
box	128	3	0	0	0	0.0 (0.1)
box	129	3	0	0	0	0.0 (0.0)
box	130	3	0	0	0	0.0 (0.0)
box	131	10	0	0	0	0.0 (0.1)
box	132	3	0	0	0	0.0 (0.0)
box	133	3	0	0	0	0.0 (0.0)
box	134	4	0	0	0	0.0 (0.0)
box	135	4	0	0	0	0.0 (0.0)
box	136	3	0	0	0	0.0 (0.0)
box	137	4	0	0	0	0.0 (0.0)
box	138	3	0	0	0	0.0 (0.0)
box	139	3	0	0	0	0.0 (0.0)
box	140	3	0	0	0	0.0 (0.0)
box	141	3	0	0	0	0.0 (0.0)
box	142	3	0	0	0	0.0 (0.0)
box	143	11	0	0	0	0.0 (0.0)
box	144	4	0	0	0	0.0 (0.0)
box	145	4	0	0	0	0.0 (0.0)
box	146	3	0	0	0	0.0 (0.0)
box	147	3	0	0	0	0.0 (0.0)
box	148	3	0	0	0	0.0 (0.0)
box	149	3	0	0	0	0.0 (0.0)
box	150	3	0	0	0	0.0 (0.0)
box	151	21	0	0	0	0.2 (*)
box	152	3	0	0	0	0.0 (*)
box	153	4	0	0	0	0.0 (0.6)
box	154	3	0	0	0	0.0 (0.0)
box	155	3	0	0	0	0.0 (0.0)
box	156	3	0	0	0	0.0 (0.0)
box	157	3	0	0	0	0.0 (0.0)
box	158	3	0	0	0	0.0 (0.0)
box	159	4	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	160	4	0	0	0	0.0 (0.0)
box	161	4	0	0	0	0.0 (0.0)
box	162	3	0	0	0	0.0 (0.0)
box	163	3	0	0	0	0.0 (0.0)
box	164	3	0	0	0	0.0 (0.0)
box	165	3	0	0	0	0.0 (0.0)
box	166	3	0	0	0	0.0 (0.0)
box	167	12	0	0	0	0.1 (0.1)
box	168	3	0	0	0	0.0 (0.0)
box	169	26	0	0	0	0.2 (0.2)
box	170	3	0	0	0	0.0 (0.0)
box	171	3	0	0	0	0.0 (0.0)
box	172	3	0	0	0	0.0 (0.0)
box	173	3	0	0	0	0.0 (0.0)
box	174	4	0	0	0	0.0 (0.0)
box	175	3	0	0	0	0.0 (0.0)
box	176	3	0	0	0	0.0 (0.0)
box	177	4	0	0	0	0.0 (0.0)
box	178	4	0	0	0	0.0 (0.0)
box	179	3	0	0	0	0.0 (0.0)
box	180	3	0	0	0	0.0 (0.0)
box	181	3	0	0	0	0.0 (0.0)
box	182	3	0	0	0	0.0 (0.0)
box	183	3	0	0	0	0.0 (0.0)
box	184	3	0	0	0	0.0 (0.0)
box	185	10	0	0	0	0.0 (0.1)
box	186	3	0	0	0	0.0 (0.0)
box	187	3	0	0	0	0.0 (0.0)
box	188	18	0	0	0	0.1 (0.5)
box	189	3	0	0	0	0.0 (0.0)
box	190	3	0	0	0	0.0 (0.0)
box	191	3	0	0	0	0.0 (0.0)
box	192	3	0	0	0	0.0 (0.0)
box	193	3	0	0	0	0.0 (0.0)
box	194	3	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	195	4	0	0	0	0.0 (0.0)
box	196	4	0	0	0	0.0 (0.0)
box	197	3	0	0	0	0.0 (0.0)
box	198	3	0	0	0	0.0 (0.0)
box	199	3	0	0	0	0.0 (0.0)
box	200	3	0	0	0	0.0 (0.0)
box	201	3	0	0	0	0.0 (0.0)
box	202	10	0	0	0	0.0 (0.0)
box	203	4	0	0	0	0.0 (0.0)
box	204	3	0	0	0	0.0 (0.0)
box	205	3	0	0	0	0.0 (0.0)
box	206	3	0	0	0	0.0 (0.0)
box	207	3	0	0	0	0.0 (0.0)
box	208	58	1	1	6	0.6 (*)
box	209	3	0	0	0	0.0 (0.1)
box	210	4	0	0	0	0.0 (0.0)
box	211	3	0	0	0	0.0 (0.0)
box	212	3	0	0	0	0.0 (0.0)
box	213	3	0	0	0	0.0 (0.0)
box	214	3	0	0	0	0.0 (0.0)
box	215	3	0	0	0	0.0 (0.0)
box	216	3	0	0	0	0.0 (0.0)
box	217	3	0	0	0	0.0 (0.0)
box	218	4	0	0	0	0.0 (0.0)
box	219	6	0	0	0	0.0 (0.0)
box	220	4	0	0	0	0.0 (0.0)
box	221	3	0	0	0	0.0 (0.0)
box	222	3	0	0	0	0.0 (0.0)
box	223	3	0	0	0	0.0 (0.0)
box	224	3	0	0	0	0.0 (0.0)
box	225	14	0	0	0	0.1 (*)
box	226	3	0	0	0	0.0 (0.3)
box	227	3	0	0	0	0.0 (0.0)
box	228	3	0	0	0	0.0 (0.0)
box	229	4	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	230	4	0	0	0	0.0 (0.0)
box	231	4	0	0	0	0.0 (0.0)
box	232	4	0	0	0	0.0 (0.0)
box	233	3	0	0	0	0.0 (0.0)
box	234	3	0	0	0	0.0 (0.0)
box	235	3	0	0	0	0.0 (0.0)
box	236	6	0	0	0	0.0 (0.0)
box	237	5	0	0	0	0.0 (0.0)
box	238	4	0	0	0	0.0 (0.0)
box	239	3	0	0	0	0.0 (0.0)
box	240	3	0	0	0	0.0 (0.0)
box	241	3	0	0	0	0.0 (0.0)
box	242	3	0	0	0	0.0 (0.0)
box	243	3	0	0	0	0.0 (0.0)
box	244	3	0	0	0	0.0 (0.0)
box	245	3	0	0	0	0.0 (0.0)
box	246	23	0	0	0	0.2 (0.3)
box	247	3	0	0	0	0.0 (*)
box	248	4	0	0	0	0.0 (*)
box	249	33	0	0	0	0.6 (0.0)
box	250	3	0	0	0	0.0 (0.0)
box	251	3	0	0	0	0.0 (0.0)
box	252	3	0	0	0	0.0 (0.0)
box	253	3	0	0	0	0.0 (0.0)
box	254	3	0	0	0	0.0 (0.0)
box	255	3	0	0	0	0.0 (0.0)
box	256	3	0	0	0	0.0 (0.0)
box	257	3	0	0	0	0.0 (0.0)
box	258	3	0	0	0	0.0 (0.0)
box	259	4	0	0	0	0.0 (0.0)
box	260	4	0	0	0	0.0 (0.0)
box	261	4	0	0	0	0.0 (0.0)
box	262	3	0	0	0	0.0 (0.0)
box	263	3	0	0	0	0.0 (0.0)
box	264	4	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	265	9	0	0	0	0.0 (0.1)
box	266	3	0	0	0	0.0 (0.0)
box	267	4	0	0	0	0.0 (0.0)
box	268	7	0	0	0	0.0 (0.1)
box	269	4	0	0	0	0.0 (0.0)
box	270	4	0	0	0	0.0 (0.0)
box	271	4	0	0	0	0.0 (0.0)
box	272	3	0	0	0	0.0 (0.0)
box	273	4	0	0	0	0.0 (0.0)
box	274	3	0	0	0	0.0 (0.0)
box	275	3	0	0	0	0.0 (0.0)
box	276	3	0	0	0	0.0 (0.0)
box	277	3	0	0	0	0.0 (0.0)
box	278	3	0	0	0	0.0 (0.0)
box	279	3	0	0	0	0.0 (0.0)
box	280	3	0	0	0	0.0 (0.0)
box	281	3	0	0	0	0.0 (0.0)
box	282	3	0	0	0	0.0 (0.0)
box	283	3	0	0	0	0.0 (0.0)
box	284	3	0	0	0	0.0 (0.0)
box	285	4	0	0	0	0.0 (0.0)
box	286	4	0	0	0	0.0 (0.0)
box	287	5	0	0	0	0.0 (0.0)
box	288	4	0	0	0	0.0 (0.0)
box	289	4	0	0	0	0.0 (0.0)
box	290	34	1	1	6	0.4 (0.1)
box	291	3	0	0	0	0.0 (0.0)
box	292	3	0	0	0	0.0 (0.0)
box	293	3	0	0	0	0.0 (0.0)
box	294	3	0	0	0	0.0 (0.0)
box	295	3	0	0	0	0.0 (0.0)
box	296	3	0	0	0	0.0 (0.0)
box	297	3	0	0	0	0.0 (0.0)
box	298	3	0	0	0	0.0 (0.0)
box	299	3	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	300	3	0	0	0	0.0 (0.0)
box	301	3	0	0	0	0.0 (0.0)
box	302	3	0	0	0	0.0 (0.0)
box	303	4	0	0	0	0.0 (0.0)
box	304	10	0	0	0	0.0 (0.1)
box	305	6	0	0	0	0.0 (0.1)
box	306	4	0	0	0	0.0 (0.0)
box	307	4	0	0	0	0.0 (0.0)
box	308	3	0	0	0	0.0 (0.0)
box	309	3	0	0	0	0.0 (0.0)
box	310	3	0	0	0	0.0 (0.0)
box	311	3	0	0	0	0.0 (0.0)
box	312	3	0	0	0	0.0 (0.0)
box	313	3	0	0	0	0.0 (0.0)
box	314	3	0	0	0	0.0 (0.0)
box	315	3	0	0	0	0.0 (0.0)
box	316	3	0	0	0	0.0 (0.0)
box	317	3	0	0	0	0.0 (0.0)
box	318	3	0	0	0	0.0 (0.0)
box	319	3	0	0	0	0.0 (0.0)
box	320	3	0	0	0	0.0 (0.0)
box	321	4	0	0	0	0.0 (0.0)
box	322	4	0	0	0	0.0 (0.0)
box	323	4	0	0	0	0.0 (0.0)
box	324	4	0	0	0	0.0 (0.0)
box	325	6	0	0	0	0.0 (0.0)
box	326	5	0	0	0	0.0 (0.0)
box	327	4	0	0	0	0.0 (0.0)
box	328	4	0	0	0	0.0 (0.0)
box	329	3	0	0	0	0.0 (0.0)
box	330	3	0	0	0	0.0 (0.0)
box	331	3	0	0	0	0.0 (0.0)
box	332	3	0	0	0	0.0 (0.0)
box	333	3	0	0	0	0.0 (0.0)
box	334	3	0	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
box	335	3	0	0	0	0.0 (0.0)
box	336	3	0	0	0	0.0 (0.0)
box	337	3	0	0	0	0.0 (0.0)
box	338	12	0	0	0	0.1 (0.3)
box	339	3	0	0	0	0.0 (0.0)
box	340	3	0	0	0	0.0 (0.0)
box	341	4	0	0	0	0.0 (0.0)
box	342	4	0	0	0	0.0 (0.0)
box	343	5	0	0	0	0.0 (0.1)
box	344	4	0	0	0	0.0 (0.0)
box	345	4	0	0	0	0.0 (0.0)
box	346	3	0	0	0	0.0 (0.0)
box	347	3	0	0	0	0.0 (0.0)
box	348	3	0	0	0	0.0 (0.0)
box	349	3	0	0	0	0.0 (0.0)
box	350	3	0	0	0	0.0 (0.0)
box	351	3	0	0	0	0.0 (0.0)
box	352	3	0	0	0	0.0 (0.0)
box	353	3	0	0	0	0.0 (0.0)
box	354	3	0	0	0	0.0 (0.0)
box	355	3	0	0	0	0.0 (0.0)
box	356	4	0	0	0	0.0 (0.0)
box	357	4	0	0	0	0.0 (0.0)
box	358	4	0	0	0	0.0 (0.0)
box	359	4	0	0	0	0.0 (0.0)
box	360	4	0	0	0	0.0 (0.0)
box	361	5	0	0	0	0.0 (0.0)
bratu	1	0	25	0	0	19.3 (18.8)
choi	1	3	1	0	0	0.5 (0.5)
colvdual	1	14	1	0	0	0.1 (0.0)
colvdual	2	18	1	0	0	0.0 (0.0)
colvdual	3	0	1	0	0	0.0 (0.0)
colvdual	4	13	1	0	0	0.0 (0.0)
colvnlp	1	6	1	0	0	0.0 (0.0)
colvnlp	2	3	1	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
colvnlp	3	0	1	0	0	0.0 (0.0)
colvnlp	4	6	1	0	0	0.0 (0.0)
colvnlp	5	6	1	0	0	0.0 (0.0)
colvnlp	6	2	1	0	0	0.0 (0.0)
cycle	1	2	1	0	0	0.0 (0.0)
degen	1	3	1	0	0	0.0 (0.0)
denmark	1	11	0	0	0	15.1 (10.2)
denmark	2	8	0	0	0	7.9 (86.4)
denmark	3	12	0	0	0	5.2 (4.7)
denmark	4	11	0	0	0	8.3 (25.2)
denmark	5	11	0	0	0	9.0 (7.9)
denmark	6	3	0	0	0	2.3 (2.1)
denmark	7	11	0	0	0	11.6 (11.6)
denmark	8	9	0	0	0	8.6 (39.0)
denmark	9	11	0	0	0	14.8 (10.9)
denmark	10	0	0	0	0	1.2 (0.3)
denmark	11	10	0	0	0	3.7 (3.6)
denmark	12	11	0	0	0	9.6 (9.3)
denmark	13	12	0	0	0	5.2 (4.7)
denmark	14	11	0	0	0	8.5 (25.1)
denmark	15	14	0	0	0	7.4 (6.7)
denmark	16	0	0	0	0	1.4 (0.4)
denmark	17	11	0	0	0	17.5 (17.4)
denmark	18	9	0	0	0	9.2 (30.1)
denmark	19	12	0	0	0	5.3 (5.0)
denmark	20	12	0	0	0	11.2 (43.2)
denmark	21	13	0	0	0	5.2 (4.6)
denmark	22	3	0	0	0	1.6 (1.4)
denmark	23	11	0	0	0	11.6 (10.9)
denmark	24	8	0	0	0	7.6 (10.3)
denmark	25	9	0	0	0	3.9 (3.8)
denmark	26	3	0	0	0	1.4 (1.2)
denmark	27	14	0	0	0	6.2 (4.8)
denmark	28	3	0	0	0	1.7 (1.4)
denmark	29	12	0	0	0	7.6 (7.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
denmark	30	10	0	0	0	10.5 (26.4)
denmark	31	12	0	0	0	4.6 (4.4)
denmark	32	10	0	0	0	8.9 (8.0)
denmark	33	12	0	0	0	5.2 (4.6)
denmark	34	12	0	0	0	10.8 (24.8)
denmark	35	11	0	0	0	7.3 (6.4)
denmark	36	14	0	0	0	14.8 (50.1)
denmark	37	9	0	0	0	4.2 (3.4)
denmark	38	10	0	0	0	8.9 (10.2)
denmark	39	9	0	0	0	3.9 (3.5)
denmark	40	3	0	0	0	1.5 (1.4)
duopoly	1	120	2	2	6	2.4 (0.9)
ehl_k40	1	4	1	0	0	0.1 (0.1)
ehl_k40	2	28	1	0	0	0.9 (4.6)
ehl_k40	3	172	1	1	1	13.0 (*)
ehl_k60	1	4	1	0	0	0.2 (0.2)
ehl_k60	2	349	1	2	2	89.3 (17.1)
ehl_k60	3	126	1	1	2	35.6 (2.6)
ehl_k80	1	4	1	0	0	0.4 (0.4)
ehl_k80	2	99	1	1	2	33.0 (13.4)
ehl_k80	3	216	1	1	2	116.3 (6.1)
ehl_kost	1	4	1	0	0	0.7 (0.7)
ehl_kost	2	17	1	0	0	2.2 (2.4)
ehl_kost	3	9	1	0	0	1.4 (1.3)
electric	1	60	1	1	6	2.8 (1.3)
eppa	1	1	0	0	0	0.7 (0.5)
eppa	2	15	0	0	0	15.7 (2.2)
eppa	3	5	0	0	0	1.8 (1.6)
eppa	4	5	0	0	0	1.8 (1.6)
eppa	5	5	0	0	0	1.8 (1.7)
eppa	6	4	0	0	0	1.6 (1.4)
eppa	7	4	0	0	0	1.6 (1.5)
eppa	8	4	0	0	0	1.6 (1.4)
eta2100	1	8	0	0	0	0.4 (0.4)
explcp	1	1	1	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
forcebsm	1	8	1	0	0	0.1 (0.1)
forcedsa	1	9	1	0	0	0.1 (0.1)
freebert	1	3	0	0	0	0.0 (0.0)
freebert	2	3	1	0	0	0.0 (0.0)
freebert	3	3	0	0	0	0.0 (0.0)
freebert	4	5	0	0	0	0.0 (0.0)
freebert	5	3	1	0	0	0.0 (0.0)
freebert	6	5	0	0	0	0.0 (0.0)
freebert	7	3	1	0	0	0.0 (0.0)
gafni	1	3	1	0	0	0.0 (0.0)
gafni	2	3	1	0	0	0.0 (0.0)
gafni	3	3	1	0	0	0.0 (0.0)
games	1	80	1	0	1	0.8 (*)
games	2	103	1	0	1	0.9 (0.2)
games	3	27	1	0	0	0.2 (0.2)
games	4	5	1	0	0	0.0 (0.1)
games	5	204	1	0	3	2.8 (*)
games	6	28	1	0	0	0.1 (0.3)
games	7	66	1	0	1	0.6 (0.6)
games	8	5	1	0	0	0.1 (0.0)
games	9	88	1	0	1	0.9 (0.2)
games	10	70	1	0	1	0.8 (0.2)
games	11	70	1	0	1	0.8 (0.2)
games	12	14	1	0	0	0.1 (0.1)
games	13	4	1	0	0	0.0 (0.0)
games	14	8	1	0	0	0.1 (0.2)
games	15	9	1	0	0	0.1 (0.1)
games	16	21	1	0	0	0.1 (0.3)
games	17	7	1	0	0	0.1 (0.0)
games	18	29	1	0	0	0.2 (0.3)
games	19	70	1	0	1	0.8 (0.2)
games	20	11	1	0	0	0.1 (0.1)
games	21	8	1	0	0	0.1 (0.1)
games	22	6	1	0	0	0.0 (0.0)
games	23	51	1	0	1	0.4 (0.2)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
games	24	27	1	0	0	0.2 (0.2)
games	25	84	1	0	1	0.9 (0.2)
hanskoop	1	6	1	0	0	0.0 (0.0)
hanskoop	2	1	0	0	0	0.0 (0.0)
hanskoop	3	15	1	0	0	0.0 (0.0)
hanskoop	4	1	0	0	0	0.0 (0.0)
hanskoop	5	5	1	0	0	0.0 (0.0)
hanskoop	6	1	0	0	0	0.0 (0.0)
hanskoop	7	7	1	0	0	0.0 (0.0)
hanskoop	8	1	0	0	0	0.0 (0.0)
hanskoop	9	11	1	0	0	0.0 (0.0)
hanskoop	10	1	0	0	0	0.0 (0.0)
hanson	1	0	0	0	0	0.0 (0.0)
hanson	2	11	0	0	0	1.3 (1.6)
hydroc06	1	4	1	0	0	0.0 (0.0)
hydroc20	1	7	1	0	0	0.1 (0.1)
jel	1	4	1	0	0	0.0 (0.0)
jel	2	3	1	0	0	0.0 (0.0)
jmu	1	25	0	0	0	15.6 (15.9)
josephy	1	10	1	0	0	0.0 (0.0)
josephy	2	11	1	0	0	0.0 (0.0)
josephy	3	15	1	0	0	0.0 (0.0)
josephy	4	4	1	0	0	0.0 (0.0)
josephy	5	2	1	0	0	0.0 (0.0)
josephy	6	5	1	0	0	0.0 (0.0)
josephy	7	17	1	0	0	0.0 (0.0)
josephy	8	1	1	0	0	0.0 (0.0)
kojshin	1	7	1	0	0	0.0 (0.0)
kojshin	2	13	1	0	0	0.0 (0.0)
kojshin	3	15	1	0	0	0.0 (0.0)
kojshin	4	0	1	0	0	0.0 (0.0)
kojshin	5	2	1	0	0	0.0 (0.0)
kojshin	6	11	1	0	0	0.0 (0.0)
kojshin	7	12	1	0	0	0.0 (0.0)
kojshin	8	1	1	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
lincont	1	1	0	0	0	1.3 (1.3)
mathinum	1	7	1	0	0	0.0 (0.0)
mathinum	2	3	1	0	0	0.0 (0.0)
mathinum	3	10	1	0	0	0.0 (0.0)
mathinum	4	4	1	0	0	0.0 (0.0)
mathinum	5	8	1	0	0	0.0 (0.0)
mathinum	6	6	1	0	0	0.0 (0.0)
mathisum	1	3	1	0	0	0.0 (0.0)
mathisum	2	3	1	0	0	0.0 (0.0)
mathisum	3	6	1	0	0	0.0 (0.0)
mathisum	4	4	1	0	0	0.0 (0.0)
mathisum	5	0	0	0	0	0.0 (0.0)
mathisum	6	5	1	0	0	0.0 (0.0)
mathisum	7	13	1	0	0	0.0 (0.0)
methan08	1	3	1	0	0	0.0 (0.0)
mrtmge	2	10	0	0	0	9.1 (*)
multi-v1	1	9	0	0	0	0.0 (0.0)
multi-v2	1	14	0	0	0	0.1 (0.1)
multi-v3	1	26	0	0	5	0.4 (0.1)
nash	1	5	1	0	0	0.0 (0.0)
nash	2	6	1	0	0	0.0 (0.0)
nash	3	4	1	0	0	0.0 (0.0)
nash	4	2	1	0	0	0.0 (0.0)
ne-hard	1	31	1	0	0	0.0 (0.0)
obstacle	1	0	10	0	0	0.5 (0.4)
obstacle	2	0	11	0	0	1.0 (1.1)
obstacle	3	0	10	0	0	0.9 (0.9)
obstacle	4	1	9	0	0	0.9 (1.0)
obstacle	5	0	7	0	0	1.3 (1.0)
obstacle	6	0	10	0	0	1.5 (1.3)
obstacle	7	0	9	0	0	1.1 (1.1)
obstacle	8	0	5	0	0	1.2 (1.8)
olg	1	286	0	0	0	26.0 (10.5)
opt_cont	1	1	4	0	0	0.1 (0.1)
opt_cont127	1	1	4	0	0	1.8 (1.7)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
opt_cont255	1	1	4	0	0	4.1 (3.7)
opt_cont31	1	1	4	0	0	0.3 (0.3)
opt_cont511	1	1	4	0	0	8.8 (8.3)
pgvon105	1	22	1	0	0	0.3 (0.3)
pgvon105	2	14	1	0	0	* (0.1)
pgvon105	3	23	2	0	0	0.5 (0.3)
pgvon105	4	11	1	0	0	* (*)
pgvon106	1	113	1	1	6	7.8 (1.5)
pgvon106	2	45	0	0	0	0.7 (0.6)
pgvon106	3	55	3	0	0	0.7 (0.2)
pgvon106	4	75	1	1	0	* (*)
pgvon106	5	19	0	3	0	* (*)
pgvon106	6	40	4	3	3	* (*)
pies	1	14	1	0	0	0.0 (0.0)
powell	1	6	1	0	0	0.0 (0.0)
powell	2	4	1	0	0	0.0 (0.0)
powell	3	6	1	0	0	0.0 (0.0)
powell	4	5	1	0	0	0.0 (0.0)
powell	5	25	1	0	0	0.1 (0.0)
powell	6	2	1	0	0	0.0 (0.0)
powell_mcp	1	5	1	0	0	0.0 (0.0)
powell_mcp	2	6	1	0	0	0.0 (0.0)
powell_mcp	3	7	1	0	0	0.0 (0.0)
powell_mcp	4	6	1	0	0	0.0 (0.0)
powell_mcp	5	28	1	0	0	0.0 (0.0)
powell_mcp	6	1	1	0	0	0.0 (0.0)
qp	1	1	1	0	0	0.0 (0.0)
romer	1	17	1	1	0	1.0 (*)
scarfanum	1	4	1	0	0	0.0 (0.0)
scarfanum	2	4	1	0	0	0.0 (0.0)
scarfanum	3	4	1	0	0	0.0 (0.0)
scarfanum	4	1	1	0	0	0.0 (0.0)
scarfasum	1	3	1	0	0	0.0 (0.0)
scarfasum	2	3	1	0	0	0.0 (0.0)
scarfasum	3	4	1	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
scarfasum	4	1	1	0	0	0.0 (0.0)
scarfbnum	1	13	1	0	0	0.1 (0.1)
scarfbnum	2	13	1	0	0	0.1 (0.1)
scarfbsum	1	12	1	0	0	0.3 (0.2)
scarfbsum	2	65	1	1	6	5.1 (0.5)
shubik	1	9	1	0	0	0.0 (0.0)
shubik	2	16	1	0	0	0.0 (0.0)
shubik	3	9	1	0	0	0.0 (0.0)
shubik	4	3	0	0	0	0.0 (0.0)
shubik	5	9	1	0	0	0.0 (0.0)
shubik	6	10	0	0	0	0.0 (0.0)
shubik	7	10	1	0	0	0.0 (0.0)
shubik	8	3	1	0	0	0.0 (0.0)
shubik	9	9	1	0	0	0.0 (0.0)
shubik	10	10	1	0	0	0.0 (0.0)
shubik	11	10	1	0	0	0.0 (0.0)
shubik	12	0	0	0	0	0.0 (0.0)
shubik	13	7	1	0	0	0.0 (0.0)
shubik	14	13	1	0	0	0.0 (0.1)
shubik	15	7	1	0	0	0.0 (0.0)
shubik	16	14	1	0	0	0.0 (0.2)
shubik	17	7	1	0	0	0.0 (0.0)
shubik	18	7	1	0	0	0.0 (0.1)
shubik	19	8	1	0	0	0.0 (0.0)
shubik	20	118	1	1	6	0.9 (0.1)
shubik	21	7	1	0	0	0.0 (0.0)
shubik	22	11	1	0	0	0.0 (0.0)
shubik	23	8	1	0	0	0.0 (0.0)
shubik	24	53	1	1	6	0.4 (0.1)
shubik	25	13	1	0	0	0.0 (0.0)
shubik	26	63	2	1	1	0.5 (0.0)
shubik	27	13	1	0	0	0.0 (0.0)
shubik	28	17	1	0	0	0.1 (0.1)
shubik	29	13	1	0	0	0.0 (0.0)
shubik	30	18	1	0	0	0.1 (0.1)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
shubik	31	12	1	0	0	0.0 (0.0)
shubik	32	178	2	3	6	2.7 (0.1)
shubik	33	12	1	0	0	0.0 (0.0)
shubik	34	18	1	0	0	0.0 (0.1)
shubik	35	12	1	0	0	0.0 (0.0)
shubik	36	500	1	0	5	* (0.1)
shubik	37	11	1	0	0	0.0 (0.0)
shubik	38	36	1	0	1	0.3 (0.1)
shubik	39	11	1	0	0	0.0 (0.0)
shubik	40	17	1	0	0	0.0 (0.1)
shubik	41	11	1	0	0	0.0 (0.0)
shubik	42	43	2	1	6	0.3 (1.1)
shubik	43	10	1	0	0	0.0 (0.0)
shubik	44	60	1	1	5	0.6 (0.6)
shubik	45	11	1	0	0	0.0 (0.0)
shubik	46	23	1	0	1	0.1 (0.1)
shubik	47	11	1	0	0	0.0 (0.0)
shubik	48	37	1	0	0	0.3 (0.6)
simple-ex	1	45	1	3	6	* (*)
simple-red	1	9	1	0	0	0.0 (0.0)
sppe	1	7	1	0	0	0.0 (0.0)
sppe	2	4	1	0	0	0.0 (0.0)
sppe	3	3	1	0	0	0.0 (0.0)
tinloi	1	1	1	0	0	0.0 (0.0)
tinloi	2	1	2	0	0	0.0 (0.0)
tinloi	3	1	3	0	0	0.0 (0.0)
tinloi	4	1	3	0	0	0.0 (0.0)
tinloi	5	1	3	0	0	0.0 (0.0)
tinloi	6	1	2	0	0	0.0 (0.0)
tinloi	7	1	2	0	0	0.0 (0.0)
tinloi	8	149	1	1	6	3.5 (1.8)
tinloi	9	1	2	0	0	0.0 (0.0)
tinloi	10	1	3	0	0	0.0 (0.0)
tinloi	11	1	2	0	0	0.0 (0.0)
tinloi	12	1	3	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
tinloi	13	1	2	0	0	0.0 (0.0)
tinloi	14	0	3	0	0	0.0 (0.0)
tinloi	15	1	2	0	0	0.0 (0.0)
tinloi	16	198	1	1	6	4.2 (1.3)
tinloi	17	1	2	0	0	0.0 (0.0)
tinloi	18	1	3	0	0	0.0 (0.0)
tinloi	19	1	3	0	0	0.0 (0.0)
tinloi	20	1	2	0	0	0.0 (0.0)
tinloi	21	1	2	0	0	0.0 (0.0)
tinloi	22	1	2	0	0	0.0 (0.0)
tinloi	23	1	2	0	0	0.0 (0.0)
tinloi	24	5	2	0	0	* (*)
tinloi	25	1	2	0	0	0.0 (0.0)
tinloi	26	1	3	0	0	0.0 (0.0)
tinloi	27	1	2	0	0	0.0 (0.0)
tinloi	28	1	3	0	0	0.0 (0.0)
tinloi	29	1	2	0	0	0.0 (0.0)
tinloi	30	1	3	0	0	0.0 (0.0)
tinloi	31	1	2	0	0	0.0 (0.0)
tinloi	32	272	1	1	6	5.9 (1.6)
tinloi	33	1	2	0	0	0.0 (0.0)
tinloi	34	1	3	0	0	0.0 (0.0)
tinloi	35	1	3	0	0	0.0 (0.0)
tinloi	36	1	3	0	0	0.0 (0.0)
tinloi	37	1	3	0	0	0.0 (0.0)
tinloi	38	1	2	0	0	0.0 (0.0)
tinloi	39	1	3	0	0	0.0 (0.0)
tinloi	40	165	2	1	6	3.7 (1.1)
tinloi	41	1	2	0	0	0.0 (0.0)
tinloi	42	1	3	0	0	0.0 (0.0)
tinloi	43	1	3	0	0	0.0 (0.0)
tinloi	44	1	3	0	0	0.0 (0.1)
tinloi	45	1	2	0	0	0.0 (0.0)
tinloi	46	0	3	0	0	0.0 (0.0)
tinloi	47	1	2	0	0	0.0 (0.0)

MCPLIB: full results

Problem	SP	MI	CI	R	PG	T
tinloi	48	203	2	1	6	4.6 (1.2)
tinloi	49	1	2	0	0	0.0 (0.0)
tinloi	50	1	2	0	0	0.0 (0.0)
tinloi	51	1	3	0	0	0.0 (0.0)
tinloi	52	6	3	0	0	0.5 (0.1)
tinloi	53	1	3	0	0	0.0 (0.0)
tinloi	54	1	2	0	0	0.0 (0.0)
tinloi	55	1	3	0	0	0.0 (0.0)
tinloi	56	181	2	1	6	4.2 (1.1)
tinloi	57	1	2	0	0	0.0 (0.0)
tinloi	58	1	3	0	0	0.0 (0.1)
tinloi	59	1	3	0	0	0.0 (0.0)
tinloi	60	122	2	1	6	3.1 (0.1)
tinloi	61	1	2	0	0	0.0 (0.0)
tinloi	62	1	4	0	0	0.0 (0.0)
tinloi	63	6	1	0	0	0.7 (0.1)
tinloi	64	200	0	1	6	4.5 (1.2)
tobin	1	7	1	0	0	0.0 (0.0)
tobin	2	13	2	0	0	0.0 (0.0)
tobin	3	12	2	0	0	0.0 (0.0)
tobin	4	1	1	0	0	0.0 (0.0)
trade12	1	6	0	0	0	1.6 (2.0)
trade12	2	7	0	0	0	1.4 (0.9)
trafelas	1	8	18	0	0	7.8 (6.3)
trafelas	2	17	24	0	0	10.5 (10.6)
uruguay	1	4	0	0	0	197.9 (161.0)
uruguay	2	19	0	0	0	705.4 (193.5)
uruguay	3	0	0	0	0	51.6 (11.0)
uruguay	4	4	0	0	0	187.9 (160.4)
uruguay	5	0	0	0	0	50.2 (10.7)
uruguay	6	5	0	0	0	221.2 (196.1)
uruguay	7	0	0	0	0	52.4 (10.9)

MCPLIB: full results

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