

Table of results on the CUTEr test set for KNITRO

The table on the next pages presents the results for every single of the 954 CUTEr problems (as of Jan 1, 2004), used in the paper “On the Implementation of a Primal-Dual Interior Point Filter Line Search Algorithm for Large-Scale Nonlinear Programming” by Andreas Wächter and Lorenz T. Biegler.

The results were obtained for KNITRO (Version 3.1.1) on a PC with a 1.66 GHz Pentium IV microprocessor and 1 GB of memory running RedHat Linux 9.0.

The following table explains the different columns in the table.

Name	Name of the Problem
n	Number of variables
m	Number of equality constraints
# iter	Number of iterations
# f	Number of objective function evaluations
# c	Number of constraint function evaluations
CPU(s)	Required CPU time (in seconds)
$f(x_*)$	Final value of the objective function
$\ c(x_*)\ $	Final absolute constraint violation
exit	Exit code: 0: Optimal solution found -1: Time limit exceeded -2: NAN occurred 1: Iteration limit reached 2: Convergence to an infeasible point 4: Current solution estimate cannot be improved 5: Current solution estimate cannot be improved. It appears to be optimal, but desired accuracy could not be achieved.

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
3PK	30	0	24	25	25	0.02	1.72011856702369D+00	0.0E+00	0
AOENDNDL	45006	15002	32	33	33	41.25	4.43981059424391D-04	1.7E-13	0
AOENINDL	45006	15002	26	27	27	35.54	7.40177249987742D-04	5.7E-13	0
AOENSNDL	45006	15002	37	38	38	269.47	3.59872163394952D-02	4.7E-07	0
AOESDNDL	45006	15002	28	29	29	39.79	6.58093171853252D-04	2.9E-13	0
AOESINDL	45006	15002	34	35	35	50.78	1.27528008211943D-03	7.9E-14	0
AOESSNDL	45006	15002	38	39	39	238.44	3.62930729239803D-02	4.0E-07	0
AONNDNDL	60012	20004	91	92	92	260.08	2.00033283554953D-03	7.9E-13	0
AONNDNIL	60012	20004	110	111	111	184.12	1.00045968504719D+00	1.4E-12	0
AONNDNSL	60012	20004	131	132	132	425.96	9.28014846448238D-03	5.7E-08	0
AONNSNSL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
AONSDSDL	60012	20004	26	27	27	59.70	2.40495820217550D-03	3.5E-12	0
AONSDSDS	6012	2004	3000	3001	3001	238.26	1.45724969222640D-02	3.3E-12	1
AONSDSIL	60012	20004	68	69	69	167.14	1.24748356723914D+00	1.1E-12	0
AONSDSSL	60012	20004	62	63	63	186.73	2.71177997357215D-03	6.5E-06	0
AONSSSSL	60012	20004	95	96	96	553.24	6.36971102464361D-01	3.5E-10	0
A2ENDNDL	45006	15002	32	33	33	44.48	4.00736902994870D-03	4.4E-13	0
A2ENINDL	45006	15002	30	31	31	37.03	4.26703396738446D-03	5.7E-13	0
A2ENSNDL	45006	15002	39	40	40	421.52	3.50750010189377D-02	1.7E-07	0
A2ESDNDL	45006	15002	29	30	30	46.50	5.75901647696661D-03	2.7E-13	0
A2ESINDL	45006	15002	28	29	29	34.70	4.25813691266107D-03	1.5E-13	0
A2ESSNDL	45006	15002	47	48	48	574.64	2.75757480650796D-02	3.9E-10	0
A2NNDNDL	60012	20004	93	94	94	262.06	2.94910357804175D-03	5.3E-13	0
A2NNDNIL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
A2NNDNSL	60012	20004	164	165	165	651.74	2.12389773880655D-03	5.7E-09	0
A2NNSNSL	60012	20004	160	161	161	784.54	6.33590253280242D-01	5.1E-08	0
A2NSDSDL	60012	20004	32	33	33	78.70	5.62149830878622D-03	6.1E-13	0
A2NSDSIL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
A2NSDSSL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
A2NSSSSL	60012	20004	81	82	82	493.24	6.25187363688231D-01	8.8E-07	0
A4X12	130	385	48	51	51	1.09	6.81639532881308D-01	8.7E-16	0
A5ENDNDL	45006	15002	27	28	28	31.84	1.10168263952089D-02	1.7E-13	0
A5ENINDL	45006	15002	37	38	38	46.93	7.48169731374534D-03	4.1E-13	0
A5ENSNDL	45006	15002	69	70	70	1031.94	3.17589678540860D-02	1.5E-09	0
A5ESDNDL	45006	15002	35	36	36	43.35	6.08684615654464D-03	1.4E-13	0
A5ESINDL	45006	15002	45	46	46	63.73	5.13901350055919D-03	1.9E-13	0
A5ESSNDL	45006	15002	68	69	69	1072.28	3.13906103764021D-02	1.2E-09	0
A5NNDNDL	60012	20004	78	79	79	222.90	5.28554573295667D-03	7.5E-14	0
A5NNDNIL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
A5NNDNSL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
A5NNSNSL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
A5NSDSDL	60012	20004	35	36	36	101.23	1.91202378329606D-02	2.4E-12	0
A5NSDSDM	6012	2004	3000	3001	3001	236.07	1.45724969222640D-02	3.3E-12	1
A5NSDSIL	60012	20004	144	145	145	833.33	1.32980578874946D+01	1.5E-04	0
A5NSDSSL	60012	20004	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
A5NSSNSM	6012	2004	3000	3001	3001	237.82	1.45724969222640D-02	3.3E-12	1
A5NSSSSL	60012	20004	95	96	96	639.96	6.32984857403684D-01	1.7E-05	0
AGG	163	488	3000	3001	3001	17.74	-2.13553286400226D+07	1.4E+06	1
AIRCRFTA	8	5	3	4	4	0.00	0.00000000000000D+00	3.7E-12	0
AIRCRFTB	8	0	25	26	26	0.00	1.14320857897642D-13	0.0E+00	0
AIRPORT	84	42	17	18	18	0.07	4.79524682319133D+04	2.2E-05	0
AKIVA	2	0	6	7	7	0.01	6.16604221241775D+00	0.0E+00	0
ALJAZZAF	1000	1	3000	3012	3012	17.10	3.74148017674022D+04	4.0E-01	1
ALLINIT	4	0	6	7	7	0.00	1.67059684328806D+01	0.0E+00	0
ALLINITC	4	1	19	22	22	0.01	3.04896448842893D+01	6.1E-08	0
ALLINITU	4	0	7	8	8	0.00	5.74438491032037D+00	0.0E+00	0
ALLINQP	50000	25000	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
ALSOTAME	2	1	8	9	9	0.00	8.20850187059459D-02	0.0E+00	0
ARGLINA	200	0	2	3	3	4.69	2.00000000000001D+02	0.0E+00	0
ARGLINE	200	0	3	4	4	4.70	9.96254681599880D+01	0.0E+00	4
ARGLINC	200	0	2	3	3	4.54	1.01125470508270D+02	0.0E+00	4
ARGTRIG	200	200	3	4	4	1.03	0.00000000000000D+00	9.8E-11	0
ARTIF	5002	5000	8	9	9	0.47	0.00000000000000D+00	5.7E-13	0
ARWHEAD	5000	0	6	7	7	0.70	0.00000000000000D+00	0.0E+00	0
AUG2D	20200	10000	5	6	6	1.84	1.68741175289674D+06	8.9E-15	0
AUG2DC	20200	10000	3	4	4	1.16	1.81836806557019D+06	1.7E-12	0
AUG2DCQP	20200	10000	22	23	23	61.45	6.49813473956993D+06	2.0E-14	0
AUG2DQP	20200	10000	18	19	19	26.53	6.23701202752679D+06	1.7E-14	0
AUG3D	27543	8000	4	5	5	15.27	2.45614859698894D+04	2.2E-15	0
AUG3DC	27543	8000	2	3	3	9.25	2.76540710876539D+04	4.0E-13	0
AUG3DCQP	27543	8000	25	26	26	549.00	6.15603846312049D+04	4.4E-15	0
AUG3DQP	27543	8000	26	27	27	239.36	5.42289981822930D+04	3.6E-15	0
AVGASA	8	10	6	7	7	0.00	-4.63191558544979D+00	0.0E+00	0
AVGASB	8	10	9	10	10	0.01	-4.48321915131424D+00	0.0E+00	0
AVION2	49	15	13	14	14	0.01	9.46801297127112D+07	1.1E-12	0
BARD	3	0	10	11	11	0.00	8.21487730659132D-03	0.0E+00	0
BATCH	48	73	392	406	406	0.23	2.59180350366456D+05	4.0E-06	0
BDEXP	5000	0	12	13	13	0.69	5.23038958761058D-08	0.0E+00	0
BDQRTIC	5000	0	47	48	48	7.84	2.00062568784318D+04	0.0E+00	5
BDVALUE	5002	5000	1	2	2	0.16	0.00000000000000D+00	5.9E-10	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
BDVALUES	10002	10000	13	14	14	1.34	0.00000000000000D+00	5.0E-07	0
BEALE	2	0	7	8	8	0.00	1.31149479521284D-16	0.0E+00	0
BIGGS3	6	0	10	11	11	0.01	5.40143911712710D-14	0.0E+00	0
BIGGS5	6	0	50	51	51	0.00	9.89959499067991D-12	0.0E+00	0
BIGGS6	6	0	402	403	403	0.03	2.42684502023710D-01	0.0E+00	0
BIGGSB1	5000	0	14	15	15	89.72	1.53613187319588D-02	0.0E+00	0
BIGGSC4	4	7	18	19	19	0.00	-2.44999983125226D+01	0.0E+00	0
BLOCKQP1	10010	5001	8	9	9	4.81	4.99980000807375D+00	4.9E-15	0
BLOCKQP2	10010	5001	10	11	11	5.32	-4.99380003628011D+03	3.9E-15	0
BLOCKQP3	10010	5001	8	9	9	4.77	4.99960011196965D+00	4.3E-15	0
BLOCKQP4	10010	5001	13	14	14	7.51	-2.49579911994484D+03	5.2E-15	0
BLOCKQP5	10010	5001	10	11	11	5.36	4.99960011323426D+00	3.8E-15	0
BLOWEYA	4002	2002	2	3	3	0.33	-1.02784596589147D-02	2.4E-11	0
BLOWEYB	4002	2002	2	3	3	0.33	-1.34510223115312D-02	4.9E-12	0
BLOWEYC	4002	2002	2	3	3	0.29	-1.29630680197155D-02	9.6E-10	0
BOOTH	2	2	2	3	3	0.00	0.00000000000000D+00	8.9E-16	0
BOX2	3	0	6	7	7	0.00	1.60562329507497D-13	0.0E+00	0
BOX3	3	0	8	9	9	0.00	5.47141736616104D-19	0.0E+00	0
BQP1VAR	1	0	5	6	6	0.00	1.01083142808202D-07	0.0E+00	0
BQPGABIM	50	0	14	15	15	0.03	-3.35301502649234D-05	0.0E+00	0
BQPGASIM	50	0	14	15	15	0.02	-5.04767150054155D-05	0.0E+00	0
BQPGAUSS	2003	0	36	37	37	297.48	-3.62547194112664D-01	0.0E+00	0
BRAINPC0	6907	6900	190	228	228	52.25	3.81538393912726D-01	1.6E-07	0
BRAINPC1	6907	6900	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
BRAINPC2	13807	13800	208	257	257	218.59	4.41451391950297D-01	1.4E-09	5
BRAINPC3	6907	6900	198	236	236	52.27	4.13802575247042D-01	1.8E-07	0
BRAINPC4	6907	6900	3000	3020	3020	1391.59	4.04246081806720D-01	2.2E-06	1
BRAINPC5	6907	6900	257	297	297	82.82	3.79893307247830D-01	5.1E-07	0
BRAINPC6	6907	6900	211	274	274	62.51	3.92203187758321D-01	1.9E-07	0
BRAINPC7	6907	6900	207	251	251	56.45	3.96582851624785D-01	4.0E-08	0
BRAINPC8	6907	6900	197	257	257	59.10	3.97657450950162D-01	1.5E-07	0
BRAINPC9	6907	6900	246	280	280	81.92	4.25093507279256D-01	5.3E-07	0
BRATU1D	5003	0	28	29	29	32.54	-8.51893071382359D+00	0.0E+00	0
BRATU2D	5184	4900	2	3	3	2.47	0.00000000000000D+00	2.1E-07	0
BRATU2DT	5184	4900	6	7	7	5.81	0.00000000000000D+00	9.0E-07	0
BRATU3D	4913	3375	3	4	4	82.39	0.00000000000000D+00	3.0E-09	0
BRKMCC	2	0	3	4	4	0.00	1.69042679196450D-01	0.0E+00	0
BROWNAL	200	0	3	4	4	3.63	2.19708143132298D-19	0.0E+00	0
BROWNALE	200	200	4	5	5	0.99	0.00000000000000D+00	2.7E-06	0
BROWNBS	2	0	1220	1221	1221	0.02	1.63985578588452D-18	0.0E+00	0
BROWNDEN	4	0	41	42	42	0.00	8.58222013524325D+04	0.0E+00	5
BROYDN3D	5000	5000	4	5	5	0.25	0.00000000000000D+00	7.5E-10	0
BROYDN7D	5000	0	650	651	651	10.74	1.91164460452664D+03	0.0E+00	0
BROYDNBD	5000	5000	14	15	15	1.22	0.00000000000000D+00	1.7E-10	0
BRYBND	5000	0	13	14	14	0.62	3.07737986724487D-15	0.0E+00	0
BT1	2	1	11	12	12	0.01	-9.99999918765738D-01	8.2E-10	0
BT10	2	2	4	5	5	0.00	-1.20000000000000D+00	2.9E-01	4
BT11	5	3	7	8	8	0.00	8.24891777606629D-01	8.8E-12	0
BT12	5	3	4	5	5	0.01	6.18811881188119D+00	4.8E-07	0
BT13	5	1	22	23	23	0.00	4.00000011920928D-07	1.5E-05	0
BT2	3	1	11	12	12	0.01	3.25682003938481D-02	5.7E-11	0
BT3	5	3	3	4	4	0.00	4.09302325581391D+00	6.7E-15	0
BT4	3	2	5	6	6	0.01	-4.55105507786703D+01	1.2E-08	0
BT5	3	2	5	6	6	0.00	9.61715165222574D+02	5.7E-06	0
BT6	5	2	10	12	12	0.00	2.77044788427855D-01	1.4E-11	0
BT7	5	3	41	42	42	0.00	3.06499999999908D+02	8.9E-14	0
BT8	5	2	10	11	11	0.00	1.00000095367432D+00	9.5E-07	0
BT9	4	2	12	13	13	0.00	-1.00000013563616D+00	1.0E-07	0
BYRDSPHR	3	2	14	15	15	0.01	-4.68330013291609D+00	1.0E-09	0
C-RELOAD	342	284	131	141	141	4.65	-1.02778413888074D+00	2.2E-05	0
CAMEL6	2	0	6	7	7	0.00	-1.03162845348979D+00	0.0E+00	0
CAMSHAPE	800	1603	173	174	174	8.96	-4.27652686325709D+00	5.2E-08	0
CANTILVR	5	1	11	12	12	0.00	1.33995675658719D+00	0.0E+00	0
CATENA	3003	1000	3000	3002	3002	39.46	-1.90349389444322D+08	7.4E+05	1
CATENARY	501	166	3000	3003	3003	4.68	-4.43659261010629D+08	1.4E+06	1
CATMIX	2403	1600	9	11	11	0.57	-4.78247459303311D-02	2.1E-07	0
CB2	3	3	10	11	11	0.01	1.95222453375310D+00	0.0E+00	0
CB3	3	3	8	9	9	0.01	2.00000006001171D+00	0.0E+00	0
CBRATU2D	3200	2888	3	4	4	2.05	0.00000000000000D+00	1.1E-09	0
CBRATU3D	3456	2000	3	4	4	32.75	0.00000000000000D+00	5.6E-09	0
CHACONN1	3	3	7	8	8	0.00	1.95222469285648D+00	0.0E+00	0
CHACONN2	3	3	8	9	9	0.00	2.00000006001479D+00	0.0E+00	0
CHAIN	802	401	6	7	7	0.08	5.06862169451710D+00	9.9E-09	0
CHAINWOO	4000	0	3000	3001	3001	34.82	7.18498035817730D+03	0.0E+00	1
CHANDHEQ	100	100	10	11	11	0.50	0.00000000000000D+00	7.0E-07	0
CHANDHEU	500	500	10	11	11	98.42	0.00000000000000D+00	7.1E-07	0
CHANNEL	9600	9598	4	5	5	0.95	1.00000000000000D+00	1.5E-04	0
CHARDISO	2000	0	5	6	6	228.06	4.12723033524068D-20	0.0E+00	0
CHARDIS1	1000	499	13	14	14	49.23	1.82812077719064D-04	0.0E+00	0
CHEBYQAD	100	0	1209	1210	1210	60.94	4.87777098101591D-03	0.0E+00	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
CHEMRCTA	5000	5000	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
CHEMRCTB	5000	5000	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
CHENHARK	5000	0	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
CHNROSNB	50	0	69	70	70	0.01	5.80309289369236D-15	0.0E+00	0
CLIFF	2	0	27	28	28	0.01	1.99786613677700D-01	0.0E+00	0
CLNLBEAM	6003	4000	128	129	129	23.24	3.46495748712301D+02	4.1E-12	0
CLPLATEA	5041	0	16	17	17	1.91	-1.25920948405696D-02	0.0E+00	0
CLPLATEB	5041	0	2	3	3	0.75	-5.09478697816226D-03	0.0E+00	0
CLPLATEC	5041	0	3	4	4	10.53	-5.02072422684513D-03	0.0E+00	0
CLUSTER	2	2	8	9	9	0.01	0.00000000000000D+00	7.7E-08	0
CONGIGMZ	3	5	35	36	36	0.00	2.80000002002355D+01	2.1E-07	0
CONT5-QP	10301	10100	23	24	24	24.85	6.42842940239309D-03	3.6E-09	0
COOLHANS	9	9	13	14	14	0.01	0.00000000000000D+00	4.2E-05	0
CORKSCRW	4506	3500	171	222	222	9.57	8.18973793808256D+01	1.9E-11	0
COSHFUN	6001	2000	50	61	61	5.87	-7.73260365927957D-01	0.0E+00	0
COSINE	10000	0	7	8	8	0.39	-9.99900000000000D+03	0.0E+00	0
CRAGGLVY	5000	0	15	16	16	0.55	1.68821530971438D+03	0.0E+00	0
CRESC100	6	200	172	233	233	0.19	5.69507044495708D-01	0.0E+00	0
CRESC132	6	2654	216	217	217	3.33	1.35031667024226D+01	3.2E+02	4
CRESC4	6	8	39	55	55	0.01	8.71900588478206D-01	0.0E+00	0
CRESC50	6	100	2371	4529	4529	1.86	5.93682548367468D-01	0.0E+00	0
CSFI1	5	4	12	13	13	0.00	-4.90751985517159D+01	2.2E-06	0
CSFI2	5	4	17	18	18	0.01	5.50176072512804D+01	2.3E-06	0
CUBE	2	0	37	38	38	0.00	9.42770101933147D-17	0.0E+00	0
CUBENE	2	2	4	5	5	0.00	0.00000000000000D+00	0.0E+00	0
CURLY10	10000	0	59	60	60	298.56	-1.00316290241319D+06	0.0E+00	5
CURLY20	10000	0	61	62	62	506.82	-1.00316290241319D+06	0.0E+00	5
CURLY30	10000	0	60	61	61	593.05	-1.00316290241319D+06	0.0E+00	5
CVXQP1	10000	0	8	9	9	2.76	2.25022646856194D+06	0.0E+00	0
CVXQP1	1000	500	11	12	12	3.47	1.08751156937636D+06	6.4E-10	0
CVXQP2	1000	250	11	12	12	4.01	8.20155441581044D+05	2.5E-09	0
CVXQP3	1000	750	3000	3001	3001	177.83	1.36282874173069D+06	1.3E-12	1
DALLASL	906	667	37	38	38	2.15	-2.02604127265670D+05	2.8E-14	0
DALLASM	196	151	35	36	36	0.18	-4.81981880713856D+04	2.0E-14	0
DALLASS	46	31	20	21	21	0.02	-3.23932241739204D+04	1.1E-14	0
DECONVB	61	0	451	452	452	0.88	2.58149368433871D-03	0.0E+00	0
DECONVC	61	1	52	64	64	0.19	2.57258202243117D-03	1.3E-07	0
DECONVNE	61	40	1	2	2	0.00	0.00000000000000D+00	8.6E-10	0
DECONVU	61	0	66	67	67	0.09	3.44420170740130D-09	0.0E+00	0
DEGENLPA	20	15	98	99	99	0.05	3.06031492074048D+00	5.7E-09	0
DEGENLPB	20	15	56	57	57	0.02	-4.44727524841903D+01	3.1E-04	0
DEGENQP	50	125025	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
DEMBO7	16	20	25	26	26	0.01	1.74911634669241D+02	5.4E-07	0
DEMYMALO	3	3	13	17	17	0.00	-2.99999993993682D+00	0.0E+00	0
DENSCHNA	2	0	6	7	7	0.00	1.10283709073358D-23	0.0E+00	0
DENSCHNB	2	0	7	8	8	0.00	4.63079757836336D-20	0.0E+00	0
DENSCHNC	2	0	12	13	13	0.00	9.74701743349109D-27	0.0E+00	0
DENSCHND	3	0	41	42	42	0.00	2.53594569331911D-10	0.0E+00	0
DENSCHNE	3	0	21	22	22	0.00	8.75639612582032D-19	0.0E+00	0
DENSCHNF	2	0	6	7	7	0.01	6.51324621983021D-22	0.0E+00	0
DIPTRIGRI	7	4	8	9	9	0.00	6.80630061395105D+02	0.0E+00	0
DISC2	29	23	39	57	57	0.01	1.56250116060532D+00	9.3E-06	0
DISCS	36	66	3000	3001	3001	3.60	3.97554140511588D+01	7.9E-01	1
DITPERT	1133	1034	3000	3001	3001	2831.95	0.00000000000000D+00	1.0E+01	1
DIXCHLNG	10	5	8	9	9	0.00	2.47189781085812D+03	1.2E-10	0
DIXCHLNV	1000	500	24	25	25	56.63	3.12905598582170D-19	1.7E-15	0
DIXMAANA	3000	0	9	10	10	0.10	1.00000000000066D+00	0.0E+00	0
DIXMAANB	3000	0	7	8	8	0.10	1.00000000000000D+00	0.0E+00	0
DIXMAANC	3000	0	8	9	9	0.11	1.00000000000000D+00	0.0E+00	0
DIXMAAND	3000	0	9	10	10	0.12	1.00000000000086D+00	0.0E+00	0
DIXMAANE	3000	0	19	20	20	0.27	1.00000000000096D+00	0.0E+00	0
DIXMAANF	3000	0	34	35	35	0.39	1.0000000000001D+00	0.0E+00	0
DIXMAANG	3000	0	30	31	31	0.24	1.00000000017023D+00	0.0E+00	0
DIXMAANH	3000	0	39	40	40	0.38	1.00000000000001D+00	0.0E+00	0
DIXMAANI	3000	0	34	35	35	2.37	1.0000000005659D+00	0.0E+00	0
DIXMAANJ	3000	0	60	61	61	1.95	1.00000000030014D+00	0.0E+00	0
DIXMAANK	15	0	17	18	18	0.00	1.00000000000000D+00	0.0E+00	0
DIXMAANL	3000	0	60	61	61	1.31	1.00000000410053D+00	0.0E+00	0
DIXON3DQ	10000	0	3	4	4	20.77	2.17686253415776D-12	0.0E+00	0
DJTL	2	0	809	810	810	0.03	-8.95154472374743D+03	0.0E+00	5
DNIEPER	61	24	16	17	17	0.03	1.87440157403828D+04	1.9E-07	0
DQDRTIC	5000	0	6	7	7	0.21	1.24974675269912D-17	0.0E+00	0
DQRTIC	5000	0	37	38	38	0.27	2.91774106775565D-06	0.0E+00	0
DRCV1LQ	1225	0	1165	1166	1166	1245.18	5.21165518515142D-09	0.0E+00	0
DRCV2LQ	1225	0	1321	1322	1322	1406.60	4.73248015645749D-09	0.0E+00	0
DRCV3LQ	1225	0	812	813	813	586.61	2.41673870974443D-04	0.0E+00	0
DRCVTTY1	4489	3969	7	8	8	26.35	0.00000000000000D+00	7.8E-08	0
DRCVTTY2	4489	3969	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
DRUGDIS	6004	4000	1058	1156	1156	540.06	4.27855409350029D+00	1.2E-07	0
DRUGDISE	603	500	571	606	606	5.58	4.04008033076275D+02	1.8E-16	5

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
DTOC1L	5998	3996	8	9	9	0.61	3.94304354550815D+00	8.3E-17	0
DTOC1NA	5998	3996	8	9	9	0.87	4.13886719978120D+00	1.3E-13	0
DTOC1NB	5998	3996	8	9	9	0.89	7.13884887097311D+00	2.2E-09	0
DTOC1NC	5998	3996	5	6	6	0.65	3.51993449353041D+01	5.0E-08	0
DTOC1ND	5998	3996	8	9	9	0.80	4.76030270285913D+01	2.0E-10	0
DTOC2	5998	3996	6	7	7	1.48	5.08676208622635D-01	2.4E-07	0
DTOC3	4499	2998	4	5	5	0.24	2.35216367917280D+02	1.7E-15	0
DTOC4	4499	2998	3	4	4	0.21	2.87224040364570D+00	3.2E-10	0
DTOC5	9999	4999	3	4	4	0.42	1.53508229338345D+00	2.1E-08	0
DTOC6	10001	5000	13	14	14	1.29	1.34850616275200D+05	2.8E-11	0
DUAL1	85	1	12	13	13	0.15	3.50235790144489D-02	9.1E-17	0
DUAL2	96	1	39	40	40	0.97	3.37337468441033D-02	2.3E-16	0
DUAL3	111	1	16	17	17	0.48	1.35756169746644D-01	4.1E-17	0
DUAL4	75	1	10	11	11	0.09	7.46091255166449D-01	1.7E-17	0
DUALC1	9	215	53	54	54	0.12	6.15526501997705D+03	8.3E-17	0
DUALC2	7	229	47	48	48	0.08	3.55130709488839D+03	3.0E-17	0
DUALC5	8	278	54	55	55	0.13	4.27233347133098D+02	8.3E-17	0
DUALC8	8	503	128	129	129	0.41	1.21472323725209D+05	8.6E-17	4
EDENSCH	2000	0	12	13	13	0.15	1.20032845920208D+04	0.0E+00	0
EG1	3	0	10	11	11	0.01	-1.42930673357421D+00	0.0E+00	0
EG2	1000	0	3	4	4	0.01	-9.98947393300945D+02	0.0E+00	0
EG3	1001	2000	31	32	32	1.25	1.27888642844631D-01	0.0E+00	0
EIGENA	110	110	3000	3002	3002	331.75	0.00000000000000D+00	4.2E-08	0
EIGENA2	2550	1275	2	3	3	46.13	0.00000000000000D+00	0.0E+00	0
EIGENACO	2550	1275	2	3	3	133.75	0.00000000000000D+00	0.0E+00	0
EIGENALS	110	0	18	19	19	0.10	3.10949325670092D-14	0.0E+00	0
EIGENAU	2550	2550	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
EIGENB	110	110	90	91	91	0.49	0.00000000000000D+00	2.6E-12	0
EIGENB2	110	55	1	2	2	0.00	1.80000000000000D+01	0.0E+00	0
EIGENBCO	110	55	1	2	2	0.03	9.00000000000000D+00	0.0E+00	0
EIGENBLS	110	0	162	163	163	0.85	3.20791237552149D-14	0.0E+00	0
EIGENC	462	462	37	38	38	35.25	0.00000000000000D+00	5.5E-07	0
EIGENC2	462	231	14	16	16	1.03	1.14401706995469D-14	5.7E-12	0
EIGENCCO	462	231	20	25	25	3.09	3.20920068273759D-13	4.3E-10	0
EIGENCLS	462	0	194	195	195	28.97	1.84781653588746D-12	0.0E+00	0
EIGMAXA	101	101	639	640	640	1.08	-9.99999999602982D-01	1.9E-08	0
EIGMAXB	101	101	12	15	15	0.02	-7.78581201130156D-02	2.2E-08	0
EIGMAXC	202	202	6	7	7	0.05	-9.99999999495710D-01	8.0E-08	0
EIGMINA	101	101	575	576	576	1.01	9.99999929876293D-01	1.7E-06	0
EIGMINB	101	101	12	15	15	0.03	7.78581201130156D-02	2.2E-08	0
EIGMINC	202	202	23	26	26	0.11	9.99999994709939D-01	3.9E-09	0
ELATTAR	7	102	3000	3796	3796	2.20	1.04282638277925D+00	1.9E-03	1
ELEC	600	200	78	127	127	41.54	1.84390028181336D+04	9.8E-16	0
ENGVAL1	5000	0	9	10	10	0.31	5.54866841941501D+03	0.0E+00	0
ENGVAL2	3	0	18	19	19	0.00	8.56502350532963D-25	0.0E+00	0
EQC	9	3	59	60	60	0.01	-8.82513085631454D+02	0.0E+00	0
ERRINBAR	18	9	3000	3001	3001	0.72	9.30029449431176D+01	9.3E-01	1
ERRINROS	50	0	77	78	78	0.01	3.99041539201324D+01	0.0E+00	0
EXPFIT	2	0	12	13	13	0.00	2.40510593999062D-01	0.0E+00	0
EXPFIT A	5	22	15	16	16	0.00	1.13821526616464D-03	0.0E+00	0
EXPFIT B	5	102	17	18	18	0.01	5.02103435072464D-03	0.0E+00	0
EXPFIT C	5	502	16	17	17	0.07	2.33055341494504D-02	0.0E+00	0
EXPLIN	1200	0	45	46	46	1.88	-7.19254839937357D+07	0.0E+00	0
EXPLIN2	1200	0	36	37	37	1.58	-7.19988315664787D+07	0.0E+00	0
EXPQUAD	1200	0	26	27	27	0.30	-3.68494055230871D+09	0.0E+00	0
EXTRASIM	2	1	4	5	5	0.00	1.00000010000000D+00	0.0E+00	0
EXTROSNB	1000	0	1210	1211	1211	5.01	2.16954232710538D-07	0.0E+00	0
FCCU	19	8	13	14	14	0.00	1.11491091414878D+01	3.6E-15	0
FEEDLOC	90	259	19	20	20	0.10	1.31008897577177D-06	4.8E-06	0
FERRISDC	2200	210	13	14	14	17.99	-1.86055966253358D-04	4.7E-13	0
FLETCBV2	5000	0	1	2	2	1.70	-5.00286317511498D-01	0.0E+00	0
FLETCHCR	1000	0	2102	2103	2103	3.72	5.43904309101486D-16	0.0E+00	0
FLETCHER	4	4	14	15	15	0.00	1.16568582529370D+01	6.9E-11	0
FLOSP2TH	2883	2763	12	13	13	216.73	0.00000000000000D+00	3.0E-04	0
FLOSP2TL	2883	2763	5	6	6	185.96	0.00000000000000D+00	6.6E-06	0
FLOSP2TM	2883	2763	9	10	10	311.63	0.00000000000000D+00	5.6E-08	0
FMINSRF2	5625	0	2139	2140	2140	56.88	9.99999997890158D-01	0.0E+00	0
FMINSURF	1024	0	251	252	252	94.06	1.00000000356579D+00	0.0E+00	0
FREUROTH	5000	0	55	56	56	0.69	6.08159189046254D+05	0.0E+00	4
GASOIL	10403	10398	167	227	227	45.04	5.23659583145707D-03	4.0E-08	0
GAUSSELM	5525	14652	248	320	320	157.36	-3.30033752282375D+01	9.3E-09	0
GENHS28	10	8	2	3	3	0.00	9.27173693766391D-01	5.6E-16	0
GENHUMPS	5000	0	3000	3001	3001	39.01	7.93003314301796D+02	0.0E+00	1
GENROSE	500	0	729	730	730	0.41	1.00000000000000D+00	0.0E+00	0
GIGOMEZ1	3	3	12	15	15	0.00	-2.99999993999998D+00	0.0E+00	0
GIGOMEZ2	3	3	10	11	11	0.00	1.95222453383019D+00	0.0E+00	0
GIGOMEZ3	3	3	8	9	9	0.01	2.00000006924131D+00	0.0E+00	0
GILBERT	5000	1	38	39	39	1.15	2.45946826541794D+03	3.2E-11	0
GLIDER	5214	4808	597	671	671	36.38	-1.24797431702742D+03	9.1E-09	0
GMNCASE1	175	300	8	9	9	1.34	2.66976417005886D-01	0.0E+00	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
GMNCASE2	175	1050	9	10	10	2.17	-9.94412351795999D-01	0.0E+00	0
GMNCASE3	175	1050	9	10	10	3.10	1.52514835778877D+00	0.0E+00	0
GMNCASE4	175	350	18	19	19	3.02	5.94688420623922D+03	8.2E-08	0
GOFFIN	51	50	12	13	13	0.07	1.38295461608988D-06	0.0E+00	0
GOTTFR	2	2	9	11	11	0.00	0.00000000000000D+00	1.6E-09	0
GOULDQP2	19999	9999	2	3	3	1.58	2.05899439356702D-12	1.5E-08	0
GOULDQP3	19999	9999	4	5	5	2.79	7.82197936879675D-05	4.4E-16	0
GPP	1000	1998	15	16	16	344.24	2.31918189692627D+05	4.4E-08	0
GRIDNETA	7564	3844	13	14	14	25.72	4.77979558344767D+02	2.7E-15	0
GRIDNETB	7564	3844	3	4	4	0.70	1.27614694587470D+02	4.4E-16	0
GRIDNETC	7564	3844	18	19	19	95.43	1.61871503144917D+02	1.0E-14	0
GRIDNETD	7564	3844	13	14	14	17.79	5.70711906824938D+02	1.8E-15	0
GRIDNETE	7564	3844	3	4	4	0.67	2.06480509162100D+02	8.9E-16	0
GRIDNETF	7564	3844	19	20	20	95.39	2.43543425725760D+02	9.4E-15	0
GRIDNETG	7564	3844	12	13	13	6.76	6.15784208072395D+02	1.8E-15	0
GRIDNETH	7564	3844	4	5	5	0.91	2.06480509163679D+02	4.4E-16	0
GRIDNETI	7564	3844	19	20	20	95.01	2.43543429480241D+02	7.2E-15	0
GROWTHLS	3	0	164	165	165	0.01	1.00404058410542D+00	0.0E+00	0
GULF	3	0	34	35	35	0.02	3.27203002450760D-13	0.0E+00	0
HADAMALS	400	0	169	170	170	38.61	1.92152406267593D+02	0.0E+00	0
HADAMARD	401	1010	95	117	117	31.34	1.10433802859133D+00	1.4E-05	0
HAGER1	5001	2500	2	3	3	0.15	8.80797096640243D-01	1.2E-10	0
HAGER2	5001	2500	1	2	2	0.15	4.32082267069647D-01	1.3E-12	0
HAGER3	5001	2500	1	2	2	0.18	1.40961285089371D-01	1.2E-12	0
HAGER4	5001	2500	9	10	10	0.75	2.79425226384332D+00	4.4E-12	0
HAIFAL	343	8958	50	73	73	17.41	-1.27999997939956D+01	0.0E+00	0
HAIFAM	99	150	61	119	119	0.10	-4.50003026909073D+01	0.0E+00	0
HAIFAS	13	9	25	30	30	0.00	-4.49998800166628D-01	0.0E+00	0
HAIRY	2	0	44	45	45	0.00	2.00000000000000D+01	0.0E+00	0
HALDMADS	6	42	30	39	39	0.00	1.24103944069117D-04	0.0E+00	0
HANGING	3600	2330	83	84	84	229.92	-3.14740606832742D+04	0.0E+00	0
HARKERP2	500	0	27	28	28	260.85	-4.99655260090198D-01	0.0E+00	0
HART6	6	0	10	11	11	0.01	-3.32288689158932D+00	0.0E+00	0
HATFLDA	4	0	14	15	15	0.00	1.48523545345725D-11	0.0E+00	0
HATFLDB	4	0	11	12	12	0.01	5.57367126822196D-03	0.0E+00	0
HATFLDC	25	0	7	8	8	0.00	5.17638087695295D-14	0.0E+00	0
HATFLDD	3	0	23	24	24	0.00	6.61528694359592D-08	0.0E+00	0
HATFLDE	3	0	20	21	21	0.01	5.12037693667609D-07	0.0E+00	0
HATFLDF	3	3	2922	2923	2923	0.12	0.00000000000000D+00	8.0E-03	4
HATFLDG	25	25	9	10	10	0.00	0.00000000000000D+00	4.5E-11	0
HATFLDH	4	7	12	13	13	0.00	-2.44999976623564D+01	0.0E+00	0
HEART6	6	6	250	251	251	0.03	0.00000000000000D+00	5.4E-09	0
HEART6LS	6	0	372	373	373	0.03	3.30938312004271D-12	0.0E+00	0
HEART8	8	8	52	53	53	0.02	0.00000000000000D+00	2.2E-10	0
HEART8LS	8	0	400	401	401	0.03	1.70788743398161D-15	0.0E+00	0
HELIX	3	0	13	14	14	0.00	7.31033669789193D-16	0.0E+00	0
HELSEBY	1408	1399	39	40	40	0.78	3.19423573294505D+01	2.5E-08	0
HET-Z	2	1002	16	17	17	0.09	1.00000044660146D+00	0.0E+00	0
HIELOW	3	0	10	11	11	0.13	8.74165432114968D+02	0.0E+00	0
HILBERTA	2	0	2	3	3	0.01	4.19904086034563D-30	0.0E+00	0
HILBERTB	10	0	4	5	5	0.00	4.06996916740276D-17	0.0E+00	0
HIMMELBA	2	2	2	3	3	0.00	0.00000000000000D+00	0.0E+00	0
HIMMELBB	2	0	8	9	9	0.00	2.10285482181547D-20	0.0E+00	0
HIMMELBC	2	2	5	6	6	0.00	0.00000000000000D+00	4.7E-09	0
HIMMELBE	3	3	3	4	4	0.01	0.00000000000000D+00	0.0E+00	0
HIMMELBF	4	0	97	98	98	0.00	3.18571748791124D+02	0.0E+00	0
HIMMELBG	2	0	6	7	7	0.00	2.52536583308093D-14	0.0E+00	0
HIMMELBH	2	0	4	5	5	0.01	-1.00000000000000D+00	0.0E+00	0
HIMMELBI	100	12	30	31	31	0.06	-1.73556955732963D+03	0.0E+00	0
HIMMELBJ	45	14	105	106	106	0.02	-8.38176165767067D+01	4.5E+01	4
HIMMELBK	24	14	21	27	27	0.01	5.18146579527476D-02	5.3E-09	0
HIMMELP1	2	0	9	10	10	0.00	-6.20539355338256D+01	0.0E+00	0
HIMMELP2	2	1	10	12	12	0.00	-6.20539355338254D+01	0.0E+00	0
HIMMELP3	2	2	11	13	13	0.01	-5.90131777291176D+01	0.0E+00	0
HIMMELP4	2	3	12	15	15	0.00	-5.90131777291180D+01	0.0E+00	0
HIMMELP5	2	3	17	20	20	0.01	-5.90131777291180D+01	0.0E+00	0
HIMMELP6	2	5	17	20	20	0.00	-5.90131777291151D+01	0.0E+00	0
HONG	4	1	6	7	7	0.00	2.25710873634892D+01	5.5E-17	0
HS1	2	0	38	39	39	0.00	6.40816327495043D-13	0.0E+00	0
HS10	2	1	11	12	12	0.00	-9.99999599215180D-01	0.0E+00	0
HS100	7	4	8	9	9	0.00	6.80630061395105D+02	0.0E+00	0
HS100LNP	7	2	8	9	9	0.01	6.80630056142452D+02	3.3E-06	0
HS100MOD	7	4	9	14	14	0.00	6.78679639889058D+02	0.0E+00	0
HS101	7	5	484	683	683	0.09	1.80976714656639D+03	0.0E+00	0
HS102	7	5	3000	3001	3001	0.50	1.00706226625922D+02	2.8E+00	1
HS103	7	5	3000	3002	3002	5.73	1.11085688128854D+02	1.4E+01	1
HS104	8	5	15	16	16	0.00	3.95116352020236D+00	0.0E+00	0
HS105	8	1	16	17	17	0.02	1.04461170872014D+03	0.0E+00	0
HS106	8	6	102	151	151	0.01	7.04924802064874D+03	0.0E+00	0
HS107	9	6	6	7	7	0.01	5.05501275967608D+03	5.1E-08	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
HS108	9	13	19	26	26	0.00	-6.74979020718778D-01	0.0E+00	0
HS109	9	10	3000	3001	3001	0.59	2.20000247706829D+03	3.2E+04	1
HS11	2	1	6	7	7	0.00	-8.49846222083455D+00	0.0E+00	0
HS110	200	0	4	5	5	0.04	-9.96009009703226D+39	0.0E+00	0
HS111	10	3	10	11	11	0.02	-4.77610948069224D+01	1.7E-07	0
HS111LNP	10	3	10	11	11	0.00	-4.77610932857976D+01	1.1E-07	0
HS112	10	3	6	7	7	0.01	-4.77610906011688D+01	1.7E-16	0
HS113	10	8	9	10	10	0.01	2.43062215796452D+01	0.0E+00	0
HS114	10	11	23	24	24	0.00	-1.76880695156584D+03	5.1E-10	0
HS116	13	14	27	29	29	0.02	9.75875105435305D+01	0.0E+00	0
HS117	15	5	17	18	18	0.00	3.23486834988674D+01	0.0E+00	0
HS118	15	17	14	15	15	0.00	6.64820455947933D+02	0.0E+00	0
HS119	16	8	28	29	29	0.01	2.44899708977289D+02	7.0E-15	0
HS12	2	1	7	8	8	0.00	-2.99999979986898D+01	0.0E+00	0
HS13	2	1	19	20	20	0.00	9.76014033195154D-01	1.8E-06	0
HS14	2	2	6	7	7	0.00	1.39346508075318D+00	0.0E+00	0
HS15	2	2	13	14	14	0.00	3.06500400573389D+02	0.0E+00	0
HS16	2	2	7	8	8	0.01	2.31446649423530D+01	0.0E+00	0
HS17	2	2	32	34	34	0.00	1.00000050580788D+00	0.0E+00	0
HS18	2	2	8	11	11	0.00	5.00000197775721D+00	0.0E+00	0
HS19	2	2	19	20	20	0.00	-6.96181379558098D+03	0.0E+00	0
HS2	2	0	14	15	15	0.00	4.94122933798854D+00	0.0E+00	0
HS20	2	3	10	11	11	0.01	4.01988087731741D+01	0.0E+00	0
HS21	2	1	9	10	10	0.00	-9.99599999800470D+01	0.0E+00	0
HS21MOD	7	1	15	16	16	0.01	-9.59599982843199D+01	0.0E+00	0
HS22	2	2	6	7	7	0.00	1.00000020050643D+00	0.0E+00	0
HS23	2	5	8	9	9	0.00	2.00000003995923D+00	0.0E+00	0
HS24	2	3	6	7	7	0.00	-9.99999882819905D-01	0.0E+00	0
HS25	3	0	33	34	34	0.02	6.14491124737284D-14	0.0E+00	0
HS26	3	1	17	18	18	0.01	6.37375485900911D-13	4.5E-07	0
HS268	5	5	17	18	18	0.01	2.45348928729072D-07	0.0E+00	0
HS27	3	1	26	43	43	0.01	4.00000000000000D-02	1.2E-17	0
HS28	3	1	2	3	3	0.00	1.97215226305253D-30	8.9E-16	0
HS29	3	1	8	9	9	0.01	-2.26274149987701D+01	0.0E+00	0
HS3	2	0	4	5	5	0.00	1.00048525919451D-07	0.0E+00	0
HS30	3	1	6	7	7	0.00	1.00000020018890D+00	0.0E+00	0
HS31	3	1	6	7	7	0.01	6.00000198799978D+00	0.0E+00	0
HS32	3	2	9	10	10	0.01	1.00000162662708D+00	0.0E+00	0
HS33	3	2	7	10	10	0.00	-4.58577935310802D+00	0.0E+00	0
HS34	3	2	11	12	12	0.01	-8.34031218058486D-01	0.0E+00	0
HS35	3	1	8	9	9	0.00	1.11111131162287D-01	0.0E+00	0
HS35I	3	1	8	9	9	0.00	1.11111131160022D-01	0.0E+00	0
HS35MOD	3	1	12	13	13	0.00	2.50000418356926D-01	0.0E+00	0
HS36	3	1	6	7	7	0.00	-3.29999939484357D+03	0.0E+00	0
HS37	3	2	6	7	7	0.01	-3.45599980020080D+03	0.0E+00	0
HS38	4	0	49	50	50	0.01	9.26714289298611D-17	0.0E+00	0
HS39	4	2	12	13	13	0.01	-1.00000013563616D+00	1.0E-07	0
HS3MOD	2	0	7	8	8	0.01	2.00000002980233D-08	0.0E+00	0
HS4	2	0	4	5	5	0.00	2.66666689361099D+00	0.0E+00	0
HS40	4	3	3	4	4	0.00	-2.50000000502348D-01	5.4E-10	0
HS41	4	1	7	8	8	0.01	1.92592602548256D+00	0.0E+00	0
HS42	4	2	3	4	4	0.00	1.38578643630700D+01	5.2E-09	0
HS43	4	3	7	8	8	0.00	-4.39999961178722D+01	0.0E+00	0
HS44	4	6	8	9	9	0.00	-1.49999918705413D+01	0.0E+00	0
HS44NEW	4	6	6	7	7	0.00	-1.49999920172291D+01	0.0E+00	0
HS45	5	0	7	8	8	0.00	1.00000010034915D+00	0.0E+00	0
HS46	5	2	19	22	22	0.01	4.33889311562588D-12	5.2E-07	0
HS47	5	3	17	18	18	0.00	6.23031709850357D-11	1.6E-07	0
HS48	5	2	2	3	3	0.01	6.03971630559837D-31	8.9E-16	0
HS49	5	2	16	17	17	0.01	2.57530182504641D-09	8.9E-16	0
HS5	2	0	6	7	7	0.00	-1.91322295498103D+00	0.0E+00	0
HS50	5	3	8	9	9	0.00	4.59787147199759D-25	8.9E-16	0
HS51	5	3	2	3	3	0.00	2.46519032881566D-32	2.2E-16	0
HS52	5	3	2	3	3	0.00	5.32664756446992D+00	6.7E-16	0
HS53	5	3	4	5	5	0.00	4.09302325581396D+00	0.0E+00	0
HS54	6	1	9	10	10	0.00	-8.69248277489465D-01	2.9E-09	0
HS55	6	6	5	6	6	0.00	6.66666686583881D+00	2.9E-15	0
HS56	7	4	26	37	37	0.00	-3.45600000028898D+00	7.7E-08	0
HS57	2	1	7	8	8	0.00	3.06476190476761D-02	0.0E+00	0
HS59	2	3	18	22	22	0.00	-6.74950471965832D+00	0.0E+00	0
HS6	2	1	8	9	9	0.00	4.13199570278673D-16	2.5E-07	0
HS60	3	1	7	8	8	0.00	3.25682002862535D-02	2.6E-11	0
HS61	3	2	6	7	7	0.01	-1.43646159278991D+02	6.6E-06	0
HS62	3	1	5	6	6	0.01	-2.62725146479716D+04	1.4E-17	0
HS63	3	2	12	13	13	0.01	9.61715172129976D+02	6.2E-11	0
HS64	3	1	16	17	17	0.01	6.29984242991814D+03	0.0E+00	0
HS65	3	1	17	19	19	0.00	9.53528875989835D-01	0.0E+00	0
HS66	3	2	9	10	10	0.01	5.18163314136198D-01	0.0E+00	0
HS68	4	2	17	19	19	0.00	-9.20425003932009D-01	2.5E-09	0
HS69	4	2	12	13	13	0.00	-9.56712886653492D+02	6.4E-11	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
HS7	2	1	8	9	9	0.01	-1.73205080762123D+00	1.8E-10	0
HS70	4	1	31	43	43	0.00	7.49846365769666D-03	0.0E+00	0
HS71	4	2	7	8	8	0.00	1.70140209358307D+01	1.8E-07	0
HS72	4	2	18	19	19	0.00	7.27679357966329D+02	0.0E+00	0
HS73	4	3	7	8	8	0.00	2.98943841594384D+01	8.3E-17	0
HS74	4	5	12	13	13	0.00	5.12649810995319D+03	2.4E-10	0
HS75	4	5	11	12	12	0.01	5.17441269764223D+03	2.6E-12	0
HS76	4	3	6	7	7	0.00	-4.68181798138709D+00	0.0E+00	0
HS76I	4	3	6	7	7	0.00	-4.68181798147536D+00	0.0E+00	0
HS77	5	2	10	12	12	0.00	2.41505128306716D-01	2.1E-11	0
HS78	5	3	4	5	5	0.00	-2.91970040904403D+00	6.1E-11	0
HS79	5	3	4	5	5	0.01	7.87768211549894D-02	4.7E-09	0
HS8	2	2	5	6	6	0.00	-1.00000000000000D+00	1.7E-07	0
HS80	5	3	7	10	10	0.01	5.39498476579781D-02	2.0E-09	0
HS81	5	3	7	10	10	0.00	5.39498476579778D-02	2.0E-09	0
HS83	5	3	9	10	10	0.00	-3.06655376707211D+04	0.0E+00	0
HS84	5	3	7	8	8	0.00	-5.28033457898659D+06	0.0E+00	0
HS86	5	10	8	9	9	0.01	-3.23486410995053D+01	0.0E+00	0
HS88	2	1	2384	2392	2392	2.24	1.36265722120035D+00	0.0E+00	0
HS89	3	1	28	29	29	0.02	1.36265881487472D+00	0.0E+00	0
HS9	2	1	6	7	7	0.00	-5.00000000000000D-01	0.0E+00	0
HS90	4	1	112	118	118	0.13	1.36265722119716D+00	0.0E+00	0
HS91	5	1	3000	3001	3001	8.16	1.63620215676842D+00	0.0E+00	1
HS92	6	1	46	47	47	0.12	1.36265722120041D+00	0.0E+00	0
HS93	6	2	6	7	7	0.00	1.35075993739575D+02	0.0E+00	0
HS95	6	4	60	64	64	0.02	1.56315255438577D-02	0.0E+00	0
HS96	6	4	110	116	116	0.02	1.56315251010035D-02	0.0E+00	0
HS97	6	4	49	52	52	0.01	4.07149425116688D+00	0.0E+00	0
HS98	6	4	10	11	11	0.01	4.07125806333281D+00	9.3E-09	0
HS99	7	2	3	4	4	0.01	-8.31079891522549D+08	1.2E-04	0
HS99EXP	31	21	2798	2799	2799	1.02	-1.25998183303164D+12	2.9E-03	0
HUBFIT	2	1	9	10	10	0.00	1.68935141759715D-02	0.0E+00	0
HUES-MOD	5000	2	49	50	50	3.63	3.48244898198525D+07	3.3E-12	0
HUESTIS	5000	2	111	112	112	10.93	1.74122413498466D+11	1.9E-04	0
HUMPS	2	0	403	404	404	0.01	3.09389966886585D-16	0.0E+00	0
HVYCRASH	4004	3000	130	131	131	6.07	-9.08959871964205D-02	4.6E-05	0
HYDC20LS	99	0	3000	3001	3001	8.94	4.78810586369821D-01	0.0E+00	1
HYDCAR20	99	99	13	16	16	0.04	0.00000000000000D+00	3.4E-06	0
HYDCAR6	29	29	6	7	7	0.01	0.00000000000000D+00	2.2E-10	0
HYDROELL	1009	1008	3000	3001	3001	92.25	-3.47810078583007D+06	0.0E+00	1
HYDROELM	505	504	3000	3001	3001	41.39	-3.50075164827105D+06	0.0E+00	1
HYDROELS	169	168	3000	3001	3001	11.77	-3.54581023434429D+06	0.0E+00	1
HYP CIR	2	2	4	5	5	0.00	0.00000000000000D+00	1.3E-06	0
INTEGREQ	502	500	2	3	3	21.77	0.00000000000000D+00	1.6E-07	0
JANNSON3	20000	3	12	13	13	11.45	1.99985180418737D+04	9.2E-15	0
JANNSON4	10000	2	12	13	13	3.69	9.80197044608687D+03	0.0E+00	0
JENSMP	2	0	10	11	11	0.00	1.24362182355615D+02	0.0E+00	0
JIMACK	3549	0	39	40	40	61.24	8.66793295734137D-01	0.0E+00	0
JNLBRNG1	10000	0	18	19	19	119.36	-1.79196585866560D-01	0.0E+00	0
JNLBRNG2	10000	0	17	18	18	372.20	-4.14709486983612D+00	0.0E+00	0
JNLBRNGA	10000	0	11	12	12	46.97	-2.69616096141235D-01	0.0E+00	0
JNLBRNGB	10000	0	20	21	21	267.01	-6.29898190070090D+00	0.0E+00	0
KISSING	127	903	135	156	156	79.17	8.45781960261243D-01	1.2E-07	0
KISSING2	100	625	40	46	46	0.43	5.26555455766270D+00	1.6E-15	0
KIWCRESC	3	2	9	10	10	0.01	4.00000044161372D-08	0.0E+00	0
KOWOSB	4	0	15	16	16	0.00	3.07800946733338D-04	0.0E+00	0
KSIP	20	1001	17	18	18	0.92	5.75804571472452D-01	0.0E+00	0
KTMODEL	726	450	52	53	53	0.14	0.00000000000000D+00	8.5E+04	4
LAKES	90	78	123	124	124	0.05	7.34585761275166D+11	5.5E+02	4
LAUNCH	25	28	23	39	39	0.02	9.00521965769408D+00	4.5E-13	0
LCH	3000	1	3000	3525	3525	43.17	4.48263772402402D+11	5.0E+01	1
LEAKNET	156	153	10	11	11	0.03	8.04551813413485D+00	7.8E-09	0
LIARWHD	5000	0	13	14	14	0.31	9.07255601064629D-21	0.0E+00	0
LIN	4	2	3000	3001	3001	2.81	0.00000000000000E+00	0.0E+00	-2
LINSPANH	97	33	9	10	10	0.01	-7.70000000171273D+01	8.4E-09	0
LINVERSE	1999	0	1613	1614	1614	1068.80	6.81000087246571D+02	0.0E+00	0
LISWET1	2002	2000	19	20	20	0.47	7.22269669829499D+00	0.0E+00	0
LISWET10	2002	2000	29	30	30	1.11	9.89707798568091D+00	0.0E+00	0
LISWET11	2002	2000	29	30	30	1.58	9.90600723418604D+00	0.0E+00	0
LISWET12	2002	2000	218	219	219	6.50	3.47519617658752D+02	0.0E+00	0
LISWET2	2002	2000	23	24	24	0.65	4.99862122824224D+00	0.0E+00	0
LISWET3	2002	2000	19	20	20	0.71	4.99793497306177D+00	0.0E+00	0
LISWET4	2002	2000	18	19	19	0.66	4.99808957483341D+00	0.0E+00	0
LISWET5	2002	2000	19	20	20	0.91	4.99792562074711D+00	0.0E+00	0
LISWET6	2002	2000	21	22	22	0.79	4.99800775819176D+00	0.0E+00	0
LISWET7	2002	2000	24	25	25	0.95	9.98959792720586D+01	0.0E+00	0
LISWET8	2002	2000	80	81	81	19.82	1.43130730554339D+02	0.0E+00	0
LISWET9	2002	2000	159	160	160	4.74	3.92920320644937D+02	0.0E+00	0
LMINSURF	5625	0	3000	3001	3001	101.49	1.61372490676541D+01	0.0E+00	1
LOADBAL	31	31	13	14	14	0.00	4.52855131938673D-01	1.4E-14	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
LOGHAIRY	2	0	995	996	996	0.03	1.82321556793967D-01	0.0E+00	0
LOGROS	2	0	20	21	21	0.00	3.62820884447435D-13	0.0E+00	0
LOOTSMA	3	2	129	130	130	0.01	-1.22237572209594D+00	1.3E+00	2
LOTSCHD	12	7	14	15	15	0.02	2.39841584714893D+03	2.6E-14	0
LSNNODOC	5	4	9	10	10	0.01	1.23112454815583D+02	8.9E-16	0
LSQFIT	2	1	8	9	9	0.00	3.37870081841759D-02	0.0E+00	0
LUKVLE1	10000	9998	6	7	7	1.58	6.23245863243799D+00	7.4E-12	0
LUKVLE10	10000	9998	12	14	14	2.64	3.53510297026337D+03	5.8E-09	0
LUKVLE11	9998	6664	3000	3001	3001	578.96	3.46475365911334D+04	4.3E-01	1
LUKVLE12	9997	7497	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
LUKVLE13	9998	6664	20	21	21	1.90	9.13542028863739D+04	8.8E-08	0
LUKVLE14	9998	6664	25	34	34	2.52	3.13811199355876D+08	7.8E-06	0
LUKVLE15	9997	7497	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
LUKVLE16	9997	7497	359	360	360	25.46	1.56509321419444D+04	2.8E-07	0
LUKVLE17	9997	7497	633	637	637	717.29	3.37479796182934D+04	1.4E-20	4
LUKVLE18	9997	7497	3000	3001	3001	306.27	1.12462048262392D+04	5.7E-12	1
LUKMLE3	10000	2	10	11	11	0.85	2.75865837567043D+01	4.3E-14	0
LUKMLE5	10002	9996	37	49	49	6.06	4.31810129227843D-01	7.9E-11	0
LUKMLE6	9999	4999	15	16	16	2.59	6.28644076318458D+05	7.9E-10	0
LUKMLE7	10000	4	15	16	16	4.26	-2.16507109329977D+03	6.2E-07	0
LUKMLE8	10000	9998	11	12	12	1.82	8.26074078219337D+05	4.4E-16	0
LUKMLE9	10000	6	38	58	58	1.66	1.00015835003509D+03	1.7E-12	0
LUKMLI1	10000	9998	3000	4591	4591	1020.22	8.59181708495491D+03	0.0E+00	1
LUKMLI10	10000	9998	44	50	50	7.77	3.53510696961647D+03	0.0E+00	0
LUKMLI11	9998	6664	39	42	42	22.76	3.08581374736095D+00	0.0E+00	0
LUKMLI12	9997	7497	307	451	451	386.68	5.72613632513926D-06	0.0E+00	0
LUKMLI13	9998	6664	24	25	25	9.93	1.32185913900037D+02	0.0E+00	0
LUKMLI14	9998	6664	21	22	22	6.34	1.56415110169179D+04	0.0E+00	0
LUKMLI15	9997	7497	3000	4539	4539	1721.85	6.04106652265231D-03	0.0E+00	1
LUKMLI16	9997	7497	40	43	43	16.86	2.96855158384848D+03	0.0E+00	0
LUKMLI17	9997	7497	31	35	35	13.62	7.80508831203154D+02	0.0E+00	0
LUKMLI18	9997	7497	26	27	27	6.20	7.51077208487671D-04	0.0E+00	0
LUKMLI3	10000	2	14	15	15	1.17	1.15775421354538D+01	0.0E+00	0
LUKMLI5	10002	9996	34	35	35	15.83	3.47248355311445D+01	0.0E+00	0
LUKMLI6	9999	4999	14	15	15	3.78	6.28644138930548D+05	0.0E+00	0
LUKMLI7	10000	4	12	15	15	6.09	-2.16840420421157D+03	0.0E+00	0
LUKMLI8	10000	9998	339	341	341	247.07	1.06030100944317D+06	0.0E+00	0
LUKMLI9	10000	6	29	37	37	1.96	9.98933076828550D+02	0.0E+00	0
MADSEN	3	6	9	11	11	0.01	6.16433519574864D-01	0.0E+00	0
MADSSCHJ	201	398	25	34	34	11.30	-4.99213389701807D+03	0.0E+00	0
MAKELA1	3	2	10	12	12	0.00	-1.41421352236963D+00	0.0E+00	0
MAKELA2	3	3	12	13	13	0.00	7.20000004001408D+00	0.0E+00	0
MAKELA3	21	20	3000	3529	3529	0.42	1.85058652172154D-03	0.0E+00	1
MAKELA4	21	40	8	9	9	0.01	1.20524250674716D-06	0.0E+00	0
MANCINO	100	0	15	16	16	1.97	1.30650108137196D-21	0.0E+00	0
MANNE	6000	4000	56	59	59	1.68	-9.74572593254753D-01	6.0E+00	4
MARATOS	2	1	3	4	4	0.00	-1.00000000792715D+00	1.6E-08	0
MARATOSB	2	0	1360	1361	1361	0.04	-1.00000006249999D+00	0.0E+00	0
MARINE	11215	11192	45	46	46	9.54	1.97465296468089D+07	4.4E-09	0
MATRIX2	6	2	17	19	19	0.01	1.95330438114139D-06	0.0E+00	0
MAXLIKA	8	0	11	12	12	0.04	1.14934559467049D+03	0.0E+00	0
MCCORMCK	5000	0	11	12	12	1.19	-4.56658055278018D+03	0.0E+00	0
MDHOLE	2	0	66	67	67	0.01	1.99999992603994D-08	0.0E+00	0
METHANB8	31	31	2	3	3	0.01	0.00000000000000D+00	1.0E-07	0
METHANL8	31	31	4	5	5	0.02	0.00000000000000D+00	2.8E-05	0
METHANOL	12005	11997	115	225	225	16.56	9.02236985669079D-03	5.8E-10	0
MEXHAT	2	0	23	24	24	0.00	-4.00100000000000D-02	0.0E+00	0
MEYER3	3	0	490	491	491	0.02	8.79458551753376D+01	0.0E+00	4
MIFFLIN1	3	2	7	9	9	0.00	-9.99999959999998D-01	0.0E+00	0
MIFFLIN2	3	2	15	20	20	0.00	-9.99999959991951D-01	0.0E+00	0
MINC44	1113	1032	35	48	48	42.59	3.86876322464858D-04	8.4E-08	0
MINMAXBD	5	20	16	23	23	0.01	1.15706439739272D+02	0.0E+00	0
MINMAXRB	3	4	28	32	32	0.01	1.59999023841061D-06	0.0E+00	0
MINPERM	1113	1033	5	6	6	6.22	3.62880000000000D-04	2.2E-16	4
MINSURF	64	0	13	14	14	0.00	1.0000000017006D+00	0.0E+00	0
MINSURFO	5306	0	3000	3001	3001	197.34	5.33596346479700D+00	0.0E+00	1
MISTAKE	9	13	17	21	21	0.01	-9.99999431093569D-01	0.0E+00	0
MODBEALE	20000	0	34	35	35	4.17	1.47873876497796D-12	0.0E+00	0
MOREBV	5000	0	2	3	3	1.63	1.02058238941314D-11	0.0E+00	0
MOSARQP1	2500	700	9	10	10	25.81	-3.82140890545284D+03	0.0E+00	0
MOSARQP2	2500	700	8	9	9	12.03	-5.05259021310395D+03	0.0E+00	0
MRIBASIS	36	55	18	29	29	0.02	1.82179001446831D+01	7.3E-06	0
MSQRTA	1024	1024	19	20	20	181.85	0.00000000000000D+00	1.2E-06	0
MSQRTALS	1024	0	73	74	74	204.63	4.27774964066213D-12	0.0E+00	0
MSQRTB	1024	1024	13	14	14	139.43	0.00000000000000D+00	4.6E-07	0
MSQRTBLS	1024	0	69	70	70	185.65	3.503877737855646D-12	0.0E+00	0
MSS1	90	73	3000	3001	3001	59.62	-1.49655689462476D+01	8.3E-11	1
MSS2	756	703	3000	3001	3001	411.53	-2.83797647525990D+01	5.3E-09	1
MSS3	2070	1981	504	505	505	1409.96	-4.16743668330988D+01	1.6E-15	4
MWRIGHT	5	3	8	9	9	0.00	2.49788095384073D+01	5.7E-11	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
NCB20	5010	0	65	66	66	6.20	-1.44601919501078D+03	0.0E+00	0
NCB20B	5000	0	48	49	49	11.98	7.35130059379422D+03	0.0E+00	0
NCVXBQP1	10000	0	33	34	34	7.43	-1.98554384139507D+10	0.0E+00	0
NCVXBQP2	10000	0	64	65	65	39.79	-1.33228125830048D+10	0.0E+00	0
NCVXBQP3	10000	0	92	93	93	47.94	-6.46851312712397D+09	0.0E+00	0
NCVXQP1	1000	500	3000	3001	3001	701.40	-7.15855894573658D+07	1.1E-09	1
NCVXQP2	1000	500	51	52	52	1.63	-5.77882474270311D+07	4.1E-08	0
NCVXQP3	1000	500	3000	3001	3001	122.00	-3.08077510582783D+07	1.1E-10	1
NCVXQP4	1000	250	47	48	48	0.85	-9.39671897191369D+07	1.7E-08	0
NCVXQP5	1000	250	49	50	50	0.84	-6.62514438640860D+07	1.1E-08	0
NCVXQP6	1000	250	82	83	83	1.57	-3.47083838453716D+07	2.5E-08	0
NCVXQP7	1000	750	32	33	33	0.85	-4.33865401288402D+07	1.2E-07	0
NCVXQP8	1000	750	56	57	57	1.80	-3.04724153062376D+07	3.6E-13	0
NCVXQP9	1000	750	3000	3001	3001	86.56	-2.15311874316656D+07	7.0E-10	1
NGONE	200	5048	73	105	105	7.22	-6.40877121185434D-01	4.6E-18	0
NLMSURF	5625	0	3000	3001	3001	98.16	4.57994992443271D+01	0.0E+00	1
NOBNDTOR	5476	0	16	17	17	298.97	-4.49515286837175D-01	0.0E+00	0
NONCVXU2	1000	0	522	523	523	1.79	2.31727893012470D+03	0.0E+00	0
NONCVXUN	5000	0	3000	3001	3001	568.96	1.15942544216674D+04	0.0E+00	1
NONDIA	5000	0	6	7	7	0.21	1.19085799185248D-17	0.0E+00	0
NONDQUAR	5000	0	298	299	299	22.57	7.11362111821219D-07	0.0E+00	0
NONMSQRT	1024	0	2817	2818	2818	845.41	8.99162774069681D+01	0.0E+00	5
NONSCOMP	5000	0	117	118	118	15.33	4.13365218666642D-04	0.0E+00	0
NUFFIELD	940	5000	3000	3001	3001	121.12	-6.41924037969029D-01	1.1E+00	1
OBSTCLAE	10000	0	18	19	19	199.21	1.88855504843428D+00	0.0E+00	0
OBSTCLAL	10000	0	11	12	12	95.87	1.88862496095412D+00	0.0E+00	0
OBSTCLBL	10000	0	12	13	13	799.20	7.27321942972306D+00	0.0E+00	0
OBSTCLBM	10000	0	10	11	11	660.46	7.27242697375988D+00	0.0E+00	0
OBSTCLBU	10000	0	12	13	13	796.44	7.27321943417333D+00	0.0E+00	0
ODC	5184	0	69	70	70	10.65	-1.13717969044679D-02	0.0E+00	0
ODFITS	10	6	9	10	10	0.00	-2.38002677540308D+03	0.0E+00	0
ODNAMUR	0	0	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
OET1	3	1002	22	23	23	0.13	5.38243362372156D-01	0.0E+00	0
OET2	3	1002	34	37	37	0.18	8.71615296391868D-02	0.0E+00	0
OET3	4	1002	27	28	28	0.20	4.50578285306410D-03	0.0E+00	0
OET4	4	1002	53	82	82	0.30	4.30872383454937D-03	0.0E+00	0
OET5	5	1002	2481	4353	4353	11.87	2.69589113643041D-03	0.0E+00	0
OET6	5	1002	333	397	397	1.54	8.71605842671802D-02	0.0E+00	0
OET7	7	1002	1164	1454	1454	9.36	2.09878933144912D-03	0.0E+00	0
OPTCDEG2	4502	3000	30	31	31	2.86	2.27702346703930D+02	2.4E-08	0
OPTCDEG3	4502	3000	27	29	29	2.86	4.57904442928199D+01	3.3E-07	0
OPTCNTRL	32	20	14	15	15	0.01	5.49999685803268D+02	1.1E-06	0
OPTCTRL3	4502	3000	94	114	114	32.06	7.44650302270557D+04	2.6E-10	0
OPTCTRL6	4502	3000	94	114	114	31.71	7.44650302270557D+04	2.6E-10	0
OPTMASS	3010	2505	24	28	28	1.89	-1.21325798834561D-01	1.8E-16	0
OPTPRLOC	30	30	16	19	19	0.01	-1.64197630812075D+01	0.0E+00	0
ORTHDM2	8003	4000	9	10	10	1.62	3.11015311623249D+02	5.5E-11	0
ORTHDS2	5003	2500	65	66	66	2.37	1.03156620381428D+03	3.8E-13	4
ORTHREGA	8197	4096	50	89	89	5.17	2.26478419052992D+04	1.3E-11	0
ORTHREGB	27	6	2	3	3	0.00	3.35238989101668D-15	1.1E-06	0
ORTHREGC	5005	2500	16	17	17	1.32	9.48146507571338D+01	1.2E-06	0
ORTHREGD	5003	2500	62	63	63	2.16	1.37348363644149D+03	4.8E-13	4
ORTHREGE	7506	5000	226	413	413	21.19	9.59395787520831D+02	4.7E-07	0
ORTHREGF	4805	1600	48	70	70	1.77	6.31238789497829D+01	1.3E-13	0
ORTHREGM	10003	5000	148	149	149	10.44	1.55348023977972D+03	2.3E-12	4
ORTHREGS	5003	2500	80	81	81	2.98	1.40419332411814D+03	5.7E-12	4
OSBORNEA	5	0	64	65	65	0.01	5.46489681393216D-05	0.0E+00	0
OSBORNEB	11	0	23	24	24	0.01	4.01377362943706D-02	0.0E+00	0
OSLBQP	8	0	10	11	11	0.01	6.25000417853534D+00	0.0E+00	0
PALMER1	4	0	3000	3001	3001	0.24	1.17546025416455D+04	0.0E+00	1
PALMER1A	6	0	66	67	67	0.01	8.98830583652579D-02	0.0E+00	0
PALMER1B	4	0	31	32	32	0.00	3.44734948330806D+00	0.0E+00	0
PALMER1C	8	0	8	9	9	0.01	9.76050481143299D-02	0.0E+00	0
PALMER1D	7	0	6	7	7	0.01	6.52673984980545D-01	0.0E+00	0
PALMER1E	8	0	122	123	123	0.02	8.35232159213113D-04	0.0E+00	0
PALMER2	4	0	96	97	97	0.01	3.65109753197530D+03	0.0E+00	0
PALMER2A	6	0	131	132	132	0.02	1.71097165011429D-02	0.0E+00	0
PALMER2B	4	0	29	30	30	0.00	6.23266904204995D-01	0.0E+00	0
PALMER2C	8	0	5	6	6	0.00	1.43688856577612D-02	0.0E+00	0
PALMER2E	8	0	291	292	292	0.03	2.06503802020129D-04	0.0E+00	0
PALMER3	4	0	77	78	78	0.02	2.26595822038666D+03	0.0E+00	0
PALMER3A	6	0	157	158	158	0.01	2.04314257031703D-02	0.0E+00	0
PALMER3B	4	0	22	23	23	0.00	4.22764727473879D+00	0.0E+00	0
PALMER3C	8	0	7	8	8	0.00	1.95376389536242D-02	0.0E+00	0
PALMER3E	8	0	157	158	158	0.02	5.07410549394913D-05	0.0E+00	0
PALMER4	4	0	91	92	92	0.01	2.28538322742966D+03	0.0E+00	0
PALMER4A	6	0	101	102	102	0.02	4.06061409168284D-02	0.0E+00	0
PALMER4B	4	0	21	22	22	0.01	6.83513863524716D+00	0.0E+00	0
PALMER4C	8	0	6	7	7	0.00	5.03106869493374D-02	0.0E+00	0
PALMER4E	8	0	87	88	88	0.01	1.48003475174981D-04	0.0E+00	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
PALMER5A	8	0	3000	3001	3001	0.29	5.28894894147596D-02	0.0E+00	1
PALMER5B	9	0	1623	1624	1624	0.16	9.75241832518082D-03	0.0E+00	0
PALMER5C	6	0	6	7	7	0.00	2.12808664345452D+00	0.0E+00	0
PALMER5D	8	0	4	5	5	0.00	8.73393947535828D+01	0.0E+00	0
PALMER5E	8	0	3000	3001	3001	0.26	2.29494832447745D-02	0.0E+00	1
PALMER6A	6	0	211	212	212	0.03	5.59488536206947D-02	0.0E+00	0
PALMER6C	8	0	5	6	6	0.00	1.63874378364974D-02	0.0E+00	0
PALMER6E	8	0	107	108	108	0.00	2.23954105422808D-04	0.0E+00	0
PALMER7A	6	0	3000	3001	3001	0.24	1.03589337158062D+01	0.0E+00	1
PALMER7C	8	0	8	9	9	0.01	6.01987195476052D-01	0.0E+00	0
PALMER7E	8	0	627	628	628	0.05	1.01538995966256D+01	0.0E+00	0
PALMER8A	6	0	50	51	51	0.01	7.40096986361179D-02	0.0E+00	0
PALMER8C	8	0	7	8	8	0.01	1.59767833496393D-01	0.0E+00	0
PALMER8E	8	0	25	26	26	0.01	6.33930627215844D-03	0.0E+00	0
PARKCH	15	0	30	31	31	102.83	1.62374325821731D+03	0.0E+00	0
PENALTY1	1000	0	44	45	45	18.67	9.68617596453853D-03	0.0E+00	0
PENALTY2	200	0	46	47	47	0.19	4.71162772875319D+13	0.0E+00	4
PENALTY3	200	0	25	26	26	13.17	9.97615814208984D-04	0.0E+00	0
PENTAGON	6	15	19	20	20	0.00	1.37048118644971D-04	0.0E+00	0
PENTDI	5000	0	12	13	13	0.87	-7.47615656854085D-01	0.0E+00	0
PFIT1	3	3	52	56	56	0.01	0.00000000000000D+00	1.6E-06	0
PFIT1LS	3	0	554	555	555	0.03	2.05266933751560D-09	0.0E+00	0
PFIT2	3	3	78	83	83	0.01	0.00000000000000D+00	9.6E-07	0
PFIT2LS	3	0	223	224	224	0.01	7.30966418137550D-13	0.0E+00	0
PFIT3	3	3	10	12	12	0.01	0.00000000000000D+00	2.7E-07	0
PFIT3LS	3	0	234	235	235	0.00	6.58677696283093D-12	0.0E+00	0
PFIT4	3	3	14	19	19	0.01	0.00000000000000D+00	1.2E-04	0
PFIT4LS	3	0	433	434	434	0.02	3.99823924512437D-12	0.0E+00	0
PINENE	8805	8795	4	5	5	1.75	1.98721630467487D+01	1.8E-09	0
POLAK1	3	2	10	11	11	0.00	2.71828186845922D+00	0.0E+00	0
POLAK2	11	2	3000	3001	3001	0.21	3.77344034712415D+00	5.1E+01	1
POLAK3	12	10	21	22	22	0.01	5.93300455197846D+00	0.0E+00	0
POLAK4	3	3	47	69	69	0.00	1.20179496475433D-06	0.0E+00	0
POLAK5	3	2	127	196	196	0.01	5.00000080000008D+01	0.0E+00	0
POLAK6	5	4	37	60	60	0.01	-4.399999994000081D+01	0.0E+00	0
POLYGON	200	5049	63	90	90	6.93	-7.49126881827004D-01	0.0E+00	0
POROUS1	5184	4900	13	14	14	9.87	0.00000000000000D+00	3.4E-03	0
POROUS2	5184	4900	9	10	10	6.53	0.00000000000000D+00	4.2E-07	0
PORTFL1	12	1	9	10	10	0.02	2.04866427167814D-02	2.8E-17	0
PORTFL2	12	1	9	10	10	0.00	2.96898862660475D-02	1.0E-15	0
PORTFL3	12	1	9	10	10	0.02	3.27499138887008D-02	3.3E-16	0
PORTFL4	12	1	9	10	10	0.01	2.6307431120535D-02	8.3E-17	0
PORTFL6	12	1	8	9	9	0.00	2.57922081452422D-02	1.1E-16	0
PORTSNQP	100000	2	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
PORTSQP	100000	1	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
POWELL20	5000	5000	3000	3001	3001	383.74	5.87865805127964D+09	2.0E+00	1
POWELLBS	2	2	118	120	120	0.02	0.00000000000000D+00	1.9E-11	0
POWELLSG	5000	0	17	18	18	0.19	2.13565092499875D-07	0.0E+00	0
POWELLSQ	2	2	142	143	143	0.01	0.00000000000000D+00	9.9E-06	0
POWER	1000	0	30	31	31	18.27	2.55290225617946D-10	0.0E+00	0
PRIMAL1	325	85	19	20	20	0.53	-3.49865312607937D-02	0.0E+00	0
PRIMAL2	649	96	16	17	17	0.41	-3.36968440697273D-02	0.0E+00	0
PRIMAL3	745	111	11	12	12	1.13	-1.35753597506979D-01	0.0E+00	0
PRIMAL4	1489	75	13	14	14	0.77	-7.46065708080407D-01	0.0E+00	0
PRIMALC1	230	9	77	78	78	0.33	-6.15525138392767D+03	0.0E+00	0
PRIMALC2	231	7	44	45	45	0.14	-3.55130454466723D+03	0.0E+00	0
PRIMALC5	287	8	23	24	24	0.10	-4.27232004777165D+02	0.0E+00	0
PRIMALC8	520	8	88	89	89	0.81	-1.83094282264143D+04	0.0E+00	0
PROBPENL	500	0	3	4	4	0.33	3.99198392782211D-07	0.0E+00	0
PRODPLO	60	29	12	13	13	0.01	5.87901154046443D+01	5.9E-15	0
PRODPL1	60	29	26	27	27	0.01	3.57389813311335D+01	5.2E-16	0
PSPDOC	4	0	16	17	17	0.00	2.41421358237595D+00	0.0E+00	0
PT	2	501	18	19	19	0.05	1.78395473561981D-01	0.0E+00	0
QC	9	4	9	10	10	0.00	-9.56541120923243D+02	5.4E-07	0
QCNEW	9	3	12	13	13	0.01	-8.06520836654757D+02	1.3E-09	0
QP BAND	50000	25000	25	26	26	399.76	-4.99991762543439D+04	0.0E+00	0
QPCBLEND	83	74	13	14	14	0.03	-7.80808773057341D-03	8.0E-17	0
QPCBOE11	384	351	123	124	124	3.30	1.15039142382611D+07	3.8E-08	0
QPCBOE12	143	166	1185	1186	1186	13.66	8.17196355080633D+06	5.5E-10	4
QPCSTAIR	467	356	153	154	154	2.42	6.20439172843774D+06	2.8E-14	0
QPNBAND	50000	25000	23	24	24	44.71	-2.49997217876545D+05	0.0E+00	0
QPNBLEND	83	74	11	12	12	0.04	-9.01351109904472D-03	1.8E-15	0
QPNBOE11	384	351	139	140	140	3.81	6.77700668945345D+06	4.6E-08	0
QPNBOE12	143	166	3000	3001	3001	122.31	1.36828629097755D+06	5.0E-05	1
QPNSTAIR	467	356	137	138	138	2.45	5.14603305976522D+06	2.8E-14	0
QR3D	610	610	30	33	33	11.83	0.00000000000000D+00	6.8E-13	0
QR3DLS	610	0	315	316	316	97.92	1.45872390585138D-11	0.0E+00	0
QRTQUAD	5000	0	536	537	537	59.17	-2.64855780477859D+11	0.0E+00	0
QUARTC	5000	0	37	38	38	0.26	2.91774106775565D-06	0.0E+00	0
QUDLIN	5000	0	35	36	36	7.62	-1.24999996919815D+09	0.0E+00	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
READING1	4002	2000	52	93	93	17.79	-1.59079504254542D-01	1.1E-05	0
READING2	6003	4000	6	7	7	0.84	-1.20658037034479D-02	1.3E-11	0
READING3	4002	2001	46	48	48	8.25	-1.51142517105329D-01	2.4E-09	0
READING4	5001	5000	120	164	164	14.39	-2.88950349781648D-01	0.0E+00	0
READING5	5001	5000	5	6	6	844.70	-3.85743908279496D-09	3.4E-05	0
READING6	102	50	14	15	15	0.06	-1.44659682686764D+02	4.8E-07	0
READING7	1002	500	32	33	33	19.17	-1.34972879016521D+03	5.2E-07	0
READING8	2002	1000	52	53	53	452.03	-2.61246444542715D+03	7.6E-07	0
READING9	10002	5000	10	11	11	2.15	-4.36922263862163D-02	1.8E-09	0
RECIPE	3	3	11	12	12	0.00	0.00000000000000D+00	1.3E-05	0
RES	20	14	13	14	14	0.01	0.00000000000000D+00	6.7E-09	0
RK23	17	11	18	19	19	0.01	8.33353266688028D-02	1.4E-09	0
ROBOT	14	2	6	7	7	0.01	6.59328890717708D+00	2.7E-06	0
ROBOTARM	4412	3202	30	36	36	3.33	9.18787668124677D+00	3.9E-06	0
ROCKET	2407	2002	100	114	114	3.14	-1.01265830443134D+00	1.1E-09	0
ROSENBR	2	0	26	27	27	0.01	5.37138236872189D-21	0.0E+00	0
ROSENMMX	5	4	14	15	15	0.00	-4.39999999400101D+01	0.0E+00	0
ROTDISC	905	1081	885	964	964	20.00	7.87234285532681D+00	1.7E-08	0
RSNBRNE	2	2	6	8	8	0.00	0.00000000000000D+00	0.0E+00	0
S268	5	5	17	18	18	0.00	2.45348928729072D-07	0.0E+00	0
S277-280	4	4	6	7	7	0.01	5.07619120860252D+00	0.0E+00	0
S308	2	0	9	10	10	0.00	7.73199056492924D-01	0.0E+00	0
S316-322	2	1	5	6	6	0.00	3.34314575049309D+02	8.0E-12	0
S368	8	0	7	8	8	0.01	-7.49996137901326D-01	0.0E+00	0
SAWPATH	583	774	12	13	13	3.73	7.50458950561432D+02	1.3E-14	0
SBRYBND	5000	0	3000	3001	3001	110.71	5.97057444389516D+04	0.0E+00	1
SCHMVETT	5000	0	33	34	34	0.44	-1.49940000000000D+04	0.0E+00	5
SCOND1LS	5002	0	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
SCOSINE	5000	0	3000	3001	3001	44.39	1.48936565610275D+03	0.0E+00	1
SCURLY10	10000	0	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
SCURLY20	10000	0	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
SCURLY30	1000	0	3000	3001	3001	3195.81	-1.00278301226907D+05	0.0E+00	1
SEMICN2U	5002	5000	34	36	36	1.55	0.00000000000000D+00	7.9E-05	0
SEMICON1	5002	5000	87	88	88	15.47	0.00000000000000D+00	6.7E-04	0
SEMICON2	5002	5000	29	30	30	5.43	0.00000000000000D+00	1.3E-04	0
SENSORS	100	0	46	47	47	0.88	-2.06803125000000D+03	0.0E+00	5
SIM2BQP	2	0	7	8	8	0.00	2.00285438192894D-08	0.0E+00	0
SIMBQP	2	0	8	9	9	0.00	2.00281210139142D-08	0.0E+00	0
SIMPLLP	2	2	6	7	7	0.01	1.00000020006699D+00	0.0E+00	0
SIMPLLPB	2	3	6	7	7	0.00	1.10000019927976D+00	0.0E+00	0
SINEALI	1000	0	46	47	47	0.44	-9.99009616487095D+04	0.0E+00	5
SINEVAL	2	0	59	60	60	0.00	5.21136917627214D-21	0.0E+00	0
SINQUAD	5000	0	40	41	41	1.33	-6.75701375733621D+06	0.0E+00	5
SINROSNB	1000	999	3000	3002	3002	26.45	1.98533483770416D+05	5.8E-01	1
SINVALNE	2	2	6	8	8	0.00	0.00000000000000D+00	4.4E-15	0
SIPOW1	2	2000	20	21	21	0.21	-9.99999987231844D-01	0.0E+00	0
SIPOW1M	2	2000	18	19	19	0.21	-1.00000003936191D+00	0.0E+00	0
SIPOW2	2	2000	39	40	40	0.41	-9.99999999410418D-01	0.0E+00	0
SIPOW2M	2	2000	39	40	40	0.43	-1.000000431515403D+00	0.0E+00	0
SIPOW3	4	2000	20	21	21	0.30	5.34659048420030D-01	0.0E+00	0
SIPOW4	4	2000	22	23	23	0.34	2.72364260136776D-01	0.0E+00	0
SISSER	2	0	14	15	15	0.00	4.16611918202070D-10	0.0E+00	0
SMBANK	117	64	29	30	30	0.06	-7.12929199999996D+06	1.2E-10	0
SMPSPF	720	263	565	566	566	7.05	1.03292585733999D+06	2.8E-04	0
SNAIL	2	0	81	82	82	0.01	1.34965679102877D-19	0.0E+00	0
SNAKE	2	2	3000	3003	3003	0.10	-1.07111877851908D+04	5.4E-01	1
SOSQP1	5000	2501	2	3	3	0.46	2.75351831345204D+00	2.2E-03	0
SOSQP2	5000	2501	14	15	15	2.79	-1.24870035066820D+03	5.4E-13	0
SPANHYD	97	33	126	127	127	0.21	2.39738000704755D+02	4.3E-12	4
SPARSINE	1000	0	49	50	50	2.40	8.93747280986139D-16	0.0E+00	0
SPARSQR	1000	0	19	20	20	0.16	5.88113831363460D-09	0.0E+00	0
SPECAN	9	0	19	20	20	2.19	1.64574115721955D-13	0.0E+00	0
SPIRAL	3	2	165	174	174	0.01	3.20000019029830D-08	0.0E+00	0
SPMSRTLS	4999	0	47	48	48	1.36	2.44291856246058D-13	0.0E+00	0
SREADIN3	4002	2001	32	56	56	2.15	-1.51142516641814D-01	1.3E-08	0
SROSENBR	5000	0	10	11	11	0.15	1.57275181535046D-12	0.0E+00	0
SSC	5184	0	2	3	3	0.53	-2.07817327528238D+00	0.0E+00	0
SSEBLIN	194	72	261	262	262	0.62	1.6170600992569D+07	2.4E-11	0
SSEBNLN	194	96	1208	1209	1209	3.67	1.61706005500032D+07	1.6E-09	4
SSNLBEAM	3003	2000	363	365	365	29.18	3.40030401244014D+02	9.6E-12	0
STCQP1	8193	4095	99999	0	0	99999.99	0.00000000000000D+00	0.0E+00	-1
STCQP2	8193	4095	10	11	11	413.91	3.71892745881660D+04	8.9E-16	0
STEENBRA	432	108	188	189	189	0.97	1.69576747206733D+04	6.9E-09	0
STEENBRB	468	108	236	237	237	3.40	9.08316641058777D+03	3.7E-13	0
STEENBRC	540	126	1468	1469	1469	18.62	2.75049369765458D+04	3.5E-12	0
STEENBRD	468	108	3000	3001	3001	205.01	0.00000000000000E+00	0.0E+00	-2
STEENBRE	540	126	3000	3001	3001	244.27	0.00000000000000E+00	0.0E+00	-2
STEENBRF	468	108	912	913	913	6.25	8.99184826356035D+03	2.9E-13	0
STEENBRG	540	126	310	311	311	5.71	2.84794231994358D+04	1.4E-12	4
STEERING	2006	1600	10	11	11	0.46	5.54572412245063D-01	3.9E-07	0

Name	n	m	# iter	# f	# c	CPU(s)	$f(x_*)$	$\ c(x_*)\ $	exit
STNQP1	8193	4095	99999	0	0	99999.99	0.0000000000000D+00	0.0E+00	-1
STNQP2	8193	4095	8	9	9	3.73	-5.74969842525139D+05	3.3E-06	0
STRATEC	10	0	37	38	38	61.18	2.21226229090733D+03	0.0E+00	0
SUPERSIM	2	2	2	3	3	0.00	6.6666666666667D-01	1.1E-16	0
SVANBERG	5000	5000	20	22	22	198.27	8.36143075064650D+03	0.0E+00	0
SWOPF	83	92	13	18	18	0.01	6.78613844566405D-02	5.2E-09	0
SYNTHE1	6	6	7	8	8	0.00	7.59297602317769D-01	0.0E+00	0
SYNTHE2	11	14	12	13	13	0.00	-5.54372688930599D-01	5.5E-17	0
SYNTHE3	17	23	10	11	11	0.01	1.50822189671266D+01	1.5E-14	0
TAME	2	1	2	3	3	0.01	0.0000000000000D+00	0.0E+00	0
TENBARS1	18	9	3000	3001	3001	0.97	1.12406257148783D+03	8.3E+00	1
TENBARS2	18	8	254	455	455	0.07	2.30254851174690D+03	4.7E-08	0
TENBARS3	18	8	296	558	558	0.05	2.24712907459719D+03	1.4E-05	0
TENBARS4	18	9	3000	3001	3001	0.82	1.37665771816800D+01	9.9E-01	1
TESTQUAD	5000	0	7	8	8	0.66	2.44373603085887D-16	0.0E+00	0
TFI1	3	101	36	37	37	0.02	5.33468718881334D+00	2.1E-07	0
TFI2	3	101	16	17	17	0.01	6.49031306740327D-01	0.0E+00	0
TFI3	3	101	13	14	14	0.01	4.30115933496020D+00	0.0E+00	0
TOINTGOR	50	0	8	9	9	0.00	1.37390546066364D+03	0.0E+00	0
TOINTGSS	5000	0	27	28	28	0.32	1.00020007996799D+01	0.0E+00	0
TOINTPSP	50	0	64	65	65	0.00	2.25560409421886D+02	0.0E+00	0
TOINTQOR	50	0	5	6	6	0.00	1.17547222214617D+03	0.0E+00	0
TORSION1	5476	0	12	13	13	137.43	-4.29421793104225D-01	0.0E+00	0
TORSION2	5476	0	10	11	11	156.84	-4.30143268469295D-01	0.0E+00	0
TORSION3	5476	0	12	13	13	39.17	-1.21657514238394D+00	0.0E+00	0
TORSION4	5476	0	10	11	11	49.29	-1.21655067277365D+00	0.0E+00	0
TORSION5	5476	0	12	13	13	18.65	-2.86308249166755D+00	0.0E+00	0
TORSION6	5476	0	11	12	12	17.63	-2.86310099730222D+00	0.0E+00	0
TORSIONA	5476	0	11	12	12	22.29	-4.17376646471459D-01	0.0E+00	0
TORSIONB	5476	0	9	10	10	56.65	-4.18025798698009D-01	0.0E+00	0
TORSIONC	5476	0	11	12	12	38.36	-1.20378289200534D+00	0.0E+00	0
TORSIOND	5476	0	10	11	11	35.21	-1.20382547255023D+00	0.0E+00	0
TORSIONE	5476	0	12	13	13	11.55	-2.84996778762026D+00	0.0E+00	0
TORSIONF	5476	0	10	11	11	16.40	-2.84995941845203D+00	0.0E+00	0
TQUARTIC	5000	0	1	2	2	0.24	8.60638942882666D-21	0.0E+00	0
TRAINF	4008	2002	26	27	27	2.45	3.10401947295301D+00	5.3E-10	0
TRAINH	4008	2002	44	45	45	4.85	1.23125147381703D+01	2.5E-08	0
TRIDIA	5000	0	6	7	7	0.55	7.12288016820427D-17	0.0E+00	0
TRIGGER	7	6	7	8	8	0.00	0.0000000000000D+00	2.2E-09	0
TRIMLOSS	142	75	35	46	46	0.15	9.06086670478576D+00	8.9E-16	0
TRUSPYR1	11	4	158	164	164	0.03	1.12287412690750D+01	4.7E-10	0
TRUSPYR2	11	11	30	31	31	0.01	1.12287410597060D+01	1.2E-10	0
TRY-B	2	1	9	10	10	0.01	1.00021724808442D-16	8.0E-11	0
TWOBARS	2	2	7	8	8	0.01	1.50865243750020D+00	0.0E+00	0
UBH1	9009	6000	1303	1304	1304	407.36	1.11600326219733D+00	5.5E-13	0
UBH5	5010	3500	3000	3001	3001	141.61	-1.02316160323040D+02	9.8E+00	1
VANDERM1	100	199	769	770	770	63.73	0.0000000000000D+00	3.0E-07	0
VANDERM2	100	199	769	770	770	63.36	0.0000000000000D+00	3.0E-07	0
VANDERM3	100	199	847	848	848	58.89	0.0000000000000D+00	4.3E-07	0
VARDIM	200	0	29	30	30	0.26	2.10112124657651D-24	0.0E+00	0
VAREIGVL	50	0	16	17	17	0.03	3.50040189041186D-10	0.0E+00	0
VIBRBEAM	8	0	49	50	50	0.01	1.74886679591122D+00	0.0E+00	4
WATER	31	10	51	52	52	0.01	0.0000000000000D+00	1.1E+03	4
WATSON	12	0	9	10	10	0.00	2.68794726281117D-08	0.0E+00	0
WEEDS	3	0	36	37	37	0.01	2.58727739528421D+00	0.0E+00	0
WOMFLET	3	3	25	35	35	0.00	8.44479614053982D-07	0.0E+00	0
WOODS	4000	0	51	52	52	0.45	2.06072655156684D-25	0.0E+00	0
YAO	2002	2000	69	70	70	2.43	1.97705255226459D+02	0.0E+00	0
YATP1SQ	123200	123200	4	5	5	79.98	0.0000000000000D+00	5.2E-09	0
YFIT	3	0	72	73	73	0.02	2.58292719718615D-10	0.0E+00	0
YFITU	3	0	76	77	77	0.00	7.13910902831380D-13	0.0E+00	0
YORKNET	312	256	3000	3001	3001	19.41	1.18614761198712D+04	5.4E+01	1
ZAMB2	3966	1440	35	36	36	13.71	-1.11305821912387D+01	8.5E-06	0
ZAMB2-10	270	96	25	26	26	0.18	-1.58233021010843D+00	1.8E-06	0
ZAMB2-11	270	96	24	26	26	0.19	-1.11613934584562D+00	2.7E-06	0
ZAMB2-8	138	48	22	23	23	0.08	-1.52935030447585D-01	3.0E-07	0
ZAMB2-9	138	48	22	23	23	0.07	-3.54562280630627D-01	9.3E-06	0
ZANGWIL2	2	0	1	2	2	0.00	-1.8200000091000D+01	0.0E+00	0
ZANGWIL3	3	3	4	5	5	0.00	0.0000000000000D+00	7.1E-15	0
ZECEVIC2	2	2	7	8	8	0.00	-4.12499800666532D+00	0.0E+00	0
ZECEVIC3	2	2	15	16	16	0.00	9.73094521414339D+01	0.0E+00	0
ZECEVIC4	2	2	7	8	8	0.00	7.55750978528851D+00	0.0E+00	0
ZIGZAG	3004	2500	99999	0	0	99999.99	0.0000000000000D+00	0.0E+00	-1
ZY2	3	2	6	7	7	0.00	2.00000670634911D+00	0.0E+00	0