			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
3pk	30	0	991	23	19	0.83	0.14	0.03	1.720119E+00	1.720119E+00	1.720119E+00	
aircrfta	5	0	52	5	10	0.01	0.01	0.01	2.470109E-12	4.024272E-20	9.764862E-18	
aircrftb	5	0	94	20	16	0.01	0.02	0.02	9.617174E-15	2.130979E-11	1.461810E-18	
airport	84	42	130	13	24	0.8	0.25	0.36	4.795270E+04	4.795274E+04	4.795270E+04	
aljazzaf	3	1	64	148	49	0.02	0.15	0.07	7.500500E+01	7.500503E+01	7.500500E+01	
allinit	3	0	15	18	54	0	0.03	0.05	1.670597E+01	1.670597E+01	1.670597E+01	
allinitc	3	1			101			0.16	ERROR	ERROR	3.049655E+01	
allinitu	4	0	14	6	11	0	0.01	0.01	5.744385E+00	5.744385E+00	5.744385E+00	
alsotame	2	1	5	12	11	0	0.03	0.01	8.208500E-02	8.208525E-02	8.208500E-02	
argauss	3	0	6	2	6	0	0.01	0.01	1.128222E-08	1.127933E-08	1.127933E-08	
arglina	100	0	102	3	9	0.28	0.54	1.54	1.000000E+02	1.000000E+02	1.000000E+02	
arglinb	10	0	16	2	12	0.01	0.01	0.01	4.634146E+00	4.634146E+00	4.634146E+00	
arglinc	8	0	15	2	11	0.01	0.01	0.01	6.135135E+00	6.135135E+00	6.135135E+00	
argtrig	100	0	255	8	9	2.31	0.72	0.68	7.816759E-15	8.340949E-14	3.030941E-17	
artif	5000	0		112	41		10.77	6.71	(Time)	1.949936E-13	1.135495E-19	
arwhead	5000	0		5	23		0.29	3.69	(Time)	1.376861E-09	1.309566E-09	
aug2d	20192	9996			17			30.15	(Time)	ERROR	1.687412E+06	
aug2dc	20200	9996			19			37.9	(Time)	ERROR	1.818393E+06	
aug2dcqp	20200	9996			28			24.64	(Time)	ERROR	6.498179E+06	
aug2dqp	20192	9996			27			23.62	(Time)	ERROR	6.237012E+06	
aug3d	3873	1000	3647	6	14	585.03	1.14	9.74	5.540677E+02	5.540677E+02	5.540677E+02	
aug3dc	3873	1000	3990	4	14	1657.08	0.8	10.03	7.712624E+02	7.712624E+02	7.712624E+02	
aug3dcqp	3873	1000	2717	31	23	869.33	34.08	3.01	9.933621E+02	9.933656E+02	9.933622E+02	
aug3dqp	3873	1000	1857	30	28	196.82	19.8	3.46	6.752377E+02	6.752418E+02	6.752377E+02	
avgasa	6	6	15	20	13	0	0.05	0.01	-4.168702E+00	-4.168700E+00	-4.631926E+00	
avgasb	6	6	14	21	12	0.01	0.05	0.01	-4.132819E+00	-4.132819E+00	-4.132819E+00	
avion2	49	15	50	23	68	0.03	0.16	0.2	9.468013E+07	9.468013E+07	9.468017E+07	
bard	3	0	27	10	17	0.01	0.01	0.02	8.214877E-03	8.214877E-03	8.214877E-03	
batch	46	69	113	341	55	0.09	1.1	0.13	2.591804E+05	2.591804E+05	2.591804E+05	
bdexp	5000	0		13	33		0.9	3.97	(Time)	1.719538E-03	4.549506E-10	
bdqrtic	1000	0	1194	12	13	124.87	0.32	0.47	3.983818E+03	3.983818E+03	3.983818E+03	
bdvalue	5000	0	0	1	8	0.09	30.37	1.08	1.039368E-11	9.917776E-12	9.294696E-12	
beale	2	0	17	7	10	0	0.01	0.01	1.742837E-14	1.950864E-16	6.470951E-17	
bigbank	1773	814		38	36		44.5	1.82	(Time)	-4.205696E+06	-4.205696E+06	
biggs3	3	0	23	9	13	0	0.01	0.01	4.998132E-13	7.067257E-16	4.223971E-16	
biggs5	5	0	120	51	27	0.03	0.04	0.03	5.655650E-03	6.654668E-12	5.040928E-17	
biggs6	6	0	94	34	45	0.02	0.03	0.06	2.632366E-06	9.536169E-08	1.878222E-18	
biggsb1	1000	0		23	30		31.83	0.45	(IL)	1.512453E-02	1.500001E-02	
biggsc4	4	7	8	29	21	0.01	0.06	0.02	-2.437500E+01	-2.450000E+01	-2.450000E+01	
blockqp1	2005	1001	2008	19	18	15.49	27.44	1.02	-9.965000E+02	-9.964938E+02	-9.965000E+02	
blockqp2	2005	1001	2362	18	12	18.18	5.66	0.72	-9.961012E+02	-9.960949E+02	-9.951000E+02	
blockqp3	2005	1001	2015	123	33	17.53	26.23	1.81	-4.974999E+02	-4.974927E+02	-4.975000E+02	
blockqp4	2005	1001	2356	17	18	18.18	4.25	1.06	-4.980982E+02	-4.980920E+02	-4.980982E+02	
blockqp5	2005	1001	2021	104	33	16.03	20.84	1.84	-4.974999E+02	-4.974935E+02	-4.975000E+02	
bloweya	2002	1002	603	12	76	2.79	7.84	4.81	-8.040000E-06	-1.563419E-02	-4.552552E-02	t
bloweyb	2002	1002	401	14	138	1.98	3.37	8.84	-3.245843E-20	2.712506E-02	-3.045254E-02	t
bloweyc	2002	1002	402	7	31	2.01	1.2	2.32	-3.208000E-05	-1.325157E-02	-3.029773E-02	t
booth	2	0	6	2	9	0	0.01	0	3.661158E-17	8.914128E-29	5.197941E-20	
box2	2	0	15	5	12	0.01	0.01	0.01	3.708436E-13	4.971098E-12	6.827752E-18	
box3	3	0	26	7	11	0.01	0.01	0.01	1.222427E-10	6.569534E-12	2.616617E-15	

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
bqp1var	1	0	1	9	10	0	0.03	0.01	0.000000E+00	1.280100E-06	6.269242E-09	
bqpgabim	46	0	72	24	15	0.07	0.24	0.04	-3.790342E-05	-3.537070E-05	-3.789657E-05	
bqpgasim	50	0	83	26	15	0.09	0.26	0.04	-5.519810E-05	-5.256934E-05	-5.518949E-05	
brainpc0	6905	6900	7053		21	378.32		68.55	1.499639E-03	ERROR	1.499638E-03	t
brainpc1	6905	6900	9501		34	797.75		111.2	6.768999E-08	ERROR	6.611890E-07	t
brainpc2	13805	13800	9503		19	793.75		225.78	2.658104E-07	ERROR	6.548094E-07	t
brainpc3	6905	6900	9612		92	836.21		312.28	1.297640E-06	ERROR	7.237545E-07	t
brainpc4	6905	6900	9612		26	836.21		85.35	1.297640E-06	ERROR	1.838167E-06	t
brainpc5	6905	6900	9532		28	820.16		88.76	1.362258E-06	ERROR	2.317698E-06	t
brainpc6	6905	6900	9510		17	795.96		50.68	1.390755E-07	ERROR	6.074896E-07	t
brainpc7	6905	6900	9511		81	801.2		254.3	1.198811E-07	ERROR	7.397032E-07	t
brainpc8	6905	6900	9516		110	804.86		367.32	2.167122E-07	ERROR	4.045464E-04	
brainpc9	6905	6900	9593		17	826.44		52.15	8.453030E-07	ERROR	9.661090E-07	t
bratu1d	1001	0		9	14		2.49	0.52	(IL)	-8.518927E+00	-8.518927E+00	t
bratu2d	4900	0		4	11		11.35	7.94	(Time)	1.935939E-10	4.679723E-16	
bratu2dt	4900	0		4	14		10.65	9.47	(Time)	8.019850E-05	1.230021E-08	
bratu3d	3375	0		5	11		1.79	83.61	(Time)	9.102678E-13	1.978948E-18	
britgas	450	360	1038		15	3.67		0.75	0.000000E+00	(IL)	2.313955E-08	
brkmcc	2	0	7	2	9	0	0.01	0.01	1.690427E-01	1.690427E-01	1.690427E-01	
brownal	10	0	31	7	12	0.01	0.01	0.02	7.604124E-15	8.540160E-15	1.905980E-19	
brownbs	2	0		30	33		0.03	0.03	ERROR	1.972152E-31	1.565110E-22	
brownden	4	0	74	10	16	0.01	0.02	0.01	8.582220E+04	8.582220E+04	8.582220E+04	
broydn3d	10000	0		7	13		1.57	4.32	(Time)	2.630958E-13	4.708649E-23	
broydn7d	1000	0	2867			1198.03			3.823419E+00	(IL)	(IL)	
broydnbd	5000	0		10	15		4.23	8.2	(Time)	1.442182E-16	6.176780E-24	
brybnd	5000	0		10	15		4.16	8.31	(Time)	1.442182E-16	6.176780E-24	
bt1	2	1	2	5	25	0.01	0.02	0.03	-1.000000E+00	-9.999926E-01	-1.000000E+00	
bt10	2	2	2	6	15	0.01	0.01	0.02	-1.000000E+00	-1.000000E+00	-1.000000E+00	
bt11	5	3	19	6	17	0.01	0.02	0.02	8.248918E-01	8.248906E-01	8.248918E-01	
bt12	5	3	10	6	15	0.01	0.02	0.02	6.188119E+00	6.188119E+00	6.188119E+00	
bt13	5	1	32	39	26	0.01	0.05	0.02	0.000000E+00	2.560000E-07	6.709441E-21	
bt2	3	1	19	12	18	0.01	0.02	0.02	3.256820E-02	3.256820E-02	3.256820E-02	
bt3	5	3	9	4	13	0	0.02	0.02	4.093023E+00	4.093023E+00	4.093023E+00	
bt4	3	2	11	6	14	0	0.02	0.02	-4.551055E+01	-4.551055E+01	-4.551055E+01	
bt5	3	2	24	6	11	0.01	0.02	0.01	9.617152E+02	9.617152E+02	9.617152E+02	
bt6	5	2	19	9	15	0	0.02	0.02	2.770448E-01	2.770444E-01	2.770448E-01	
bt7	5	3	18	30	27	0	0.04	0.04	3.065000E+02	3.065000E+02	3.603798E+02	
bt8	5	2	14	9	292	0.01	0.02	0.88	1.000001E+00	1.000004E+00	1.000000E+00	
bt9	4	2	18	14	17	0.01	0.02	0.02	-1.000000E+00	-1.000000E+00	-1.000000E+00	
byrdsphr	3	2		8	14		0.02	0.01	(IL)	-4.683300E+00	-4.683300E+00	
camel6	2	0	12	14	11	0.01	0.03	0.01	-1.031628E+00	-1.031628E+00	-1.031628E+00	
cantilvr	5	1	29	20	17	0.01	0.04	0.02	1.339956E+00	1.339957E+00	1.339956E+00	
catena	32	11	99	68	30	0.21	0.1	0.06	-2.307775E+04	-2.307775E+04	-2.307775E+04	
catenary	496	166			41			0.77	(Time)	(IL)	-3.484032E+05	
cb2	3	3	7	21	13	0	0.04	0.02	1.952224E+00	1.952227E+00	1.952224E+00	
cb3	3	3	3	14	12	0.01	0.03	0.01	2.000000E+00	2.000004E+00	2.000000E+00	
cbratu2d	882	0	2417	1	8	245.3	0.11	0.7	2.175377E-08	4.593075E-12	3.741008E-16	
cbratu3d	1024	0	1142	2	8	122.78	0.16	2.75	1.636332E-10	1.105293E-12	3.592899E-18	
chaconn1	3	3	8	21	13	0.01	0.04	0.02	1.952223E+00	1.952227E+00	1.952224E+00	
chaconn2	3	3	3	14	11	0	0.03	0.01	2.000000E+00	2.000004E+00	2.000000E+00	

			Iterations			Solution Time			Objective Value		
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO
chainwoo	1000	0			60			1.63	(IL)	(IL)	6.362471E+01
chandheq	100	0	125	22	29	0.65	2.48	3.38	2.424352E-07	1.811886E-07	2.716976E-16
chebyqad	50	0	231	544	55	3.58	159.09	32.47	5.386315E-03	5.386560E-03	5.386315E-03
chenhark	1000	0		646	18		3295.77	0.26	(IL)	-1.994804E+00	-2.000000E+00
chnrosnb	50	0	686	73	50	1.36	0.09	0.08	1.006774E-13	2.070639E-16	4.055991E-20
cliff	2	0	26	27	33	0.01	0.02	0.03	1.997866E-01	1.997866E-01	1.997866E-01
clnlbeam	1499	1000	1466	22	119	5.06	2.66	11.57	3.500000E+02	3.448775E+02	3.448762E+02
clplatea	4970	0		14	10		3.31	2.94	(Time)	-1.259209E-02	-1.259209E-02
clplateb	4970	0		59	12		13.06	3.53	(Time)	-6.988222E+00	-6.988222E+00
clplatec	4970	0		3	9		19.97	2.62	(Time)	-5.020724E-03	-5.020724E-03
cluster	2	0	16	15	14	0.01	0.02	0.01	7.350274E-10	1.378744E-08	1.761931E-14
concon	15	11	11	272	115	0	0.37	0.19	-6.230796E+03	-6.230796E+03	-6.230796E+03
congigmz	3	5	4	31	34	0.01	0.05	0.03	2.800000E+01	2.800000E+01	2.800000E+01
coolhans	9	0	0		7	0		0.01	0.000000E+00	ERROR	3.740476E-49
core1	65	50	87	334	81	0.03	2.52	0.24	9.105624E+01	9.105637E+01	9.105624E+01
core2	157	122	198	478		0.17	9.55		7.290000E+01	7.290003E+01	ERROR
corkscrw	8997	7000	46387		33	1611.34		29.88	9.068782E+01	ERROR	9.068782E+01
coshfun	61	20	215		26	1.98		0.07	-7.732661E-01	(IL)	-7.732666E-01
cosine	10000	0		33	13		4.01	3.69	(Time)	-9.999000E+03	-9.999000E+03
cragglvy	5000	0		15	17		2.11	2.88	(Time)	1.688215E+03	1.688215E+03
cresc100	6	200	116		240	0.68		3.04	5.676027E-01	(IL)	5.676027E-01
cresc132	6	2654	1742			762.96			6.848460E-01	ERROR	(IL)
cresc4	6	8	57		41	0.02		0.05	8.718976E-01	(IL)	8.718976E-01
cresc50	6	100	694			3.02			5.932123E-01	(IL)	(IL)
csfi1	5	4	26	30	21	0.01	0.05	0.03	-4.907521E+01	-4.907519E+01	-4.907520E+01
csfi2	5	4	39	51	26	0.01	0.07	0.03	5.501761E+01	5.501762E+01	5.501761E+01
cube	2	0	35	38	34	0.01	0.03	0.03	1.062833E-14	2.102828E-16	7.329705E-19
curly10	10000	0		23	18		1101.74	14.79	(Time)	-1.003163E+06	-1.003163E+06
curly20	10000	0			18			29.13	(Time)	ERROR	-1.003163E+06
curly30	10000	0			18		2990.98	46.77	(Time)	-1.003163E+06	-1.003163E+06
cvxbqp1	10000	0	10000		18	121.86		39.76	2.250225E+06	ERROR	2.250225E+06
cvxqp1	1000	500	1593	12	29	6.03	5.67	6.93	1.087512E+06	1.087519E+06	1.087512E+06
cvxqp2	10000	2500			25			1570.89	(Time)	ERROR	8.184246E+07
cvxqp3	10000	7500	10217		38	417.44			1.157111E+08	ERROR	(Time)
dallasl	837	598		263	40		40.53	1.19	ERROR	-2.026041E+05	-2.026041E+05
dallasm	164	119		134	77		2.62	0.48	ERROR	-4.819819E+04	-4.819819E+04
dallass	44	29	236		56	0.24		0.12	-3.239323E+04	(IL)	-3.239323E+04
deconvb	51	0	263	170	36	0.33	1.69	0.22	1.480838E-08	2.163616E-06	2.713484E-03
deconvc	51	1	316	99	41	1.23	1.32	0.33	1.344233E-08	1.119780E-05	2.713492E-03
deconvu	51	0	118	78	137	0.26	0.3	1.17	2.428423E-07	1.028296E-06	1.866442E-11
degenlpa	20	14	28	141	29	0.01	0.31	0.03	3.060349E+00	3.024509E+00	3.060349E+00
degenlpb	20	15	26	174	30	0.01	0.43	0.03	-3.073125E+01	-3.079632E+01	-3.073125E+01
demymalo	3	3	14	27	17	0.01	0.04	0.01	-3.000000E+00	-2.999996E+00	-3.000000E+00
denschna	2	0	11	5	9	0	0.01	0	7.057531E-17	2.213910E-12	9.088118E-14
denschnb	2	0	8	5	10	0	0.01	0.01	1.779511E-18	1.307258E-15	1.221339E-17
denschnc	2	0	14	11	16	0.01	0.01	0.01	1.833617E-01	3.576723E-14	1.912916E-19
denschnd	3	0	141	37	37	0.02	0.03	0.03	7.286259E-10	1.642266E-08	2.817432E-10
denschne	3	0	45	13	14	0	0.02	0.01	7.497086E-13	2.009304E-12	4.307117E-14
denschnf	2	0	13	6	12	0	0.01	0.01	5.122083E-18	6.513246E-22	6.026532E-20
dipigri	7	4	29	14	11	0.02	0.03	0.01	6.806301E+02	6.806301E+02	6.806301E+02

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
disc2	28	23		35	48		0.08	0.11	(Inf)	1.562501E+00	1.562500E+00	
discs	33	66			389			2.97	(IL)	(IL)	1.200008E+01	
dittert	327	264	3156	55	130	15.38	6.84	20.46	-1.997597E+00	-1.997597E+00	-1.997596E+00	t
dixchlng	10	5	113	9	29	0.08	0.02	0.05	1.837842E+03	2.471898E+03	2.471898E+03	
dixchlnv	100	50	221	19		2.71	0.47		1.577135E-14	2.312161E-15	(IL)	
dixmaana	3000	0	3007	8	12	1522.23	0.4	0.89	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaanb	3000	0	3022	7	13	1613.16	0.7	1.82	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaanc	3000	0	3028	9	14	1669.69	0.76	2.15	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaand	3000	0	3031	10	15	1672.6	0.84	2.22	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaane	3000	0	3170	36	18	2667.47	2.53	1.54	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaanf	3000	0	3169		18	2656.85	2.48	3.07	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaang	3000	0	3177	33	20	2711.34	2.52	3.31	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaanh	3000	0	3130	35	22	2396.91	2.86	3.92	1.000000E+00	1.000000E+00	1.000000E+00	
dixmaani	3000	0		24	18		9.92	1.57	(Time)	1.000000E+00	1.000000E+00	
dixmaanj	3000	0	3149	62	22	2526.37	13.38	3.97	1.090185E+00	1.000000E+00	1.000000E+00	
dixmaank	3000	0		55	24		10.6	4.33	(Time)	1.000001E+00	1.000000E+00	
dixmaanl	3000	0	3293	61	24	3521.97	10.26	4.19	1.000000E+00	1.000001E+00	1.000000E+00	
dixon3dq	10	0	33	2	11	0.01	0.01	0.01	1.217509E-12	1.417484E-30	6.634469E-16	
djtl	2	0			23			0.03	ERROR	ERROR	-8.951545E+03	
dnieper	57	24	143	11	26	0.15	0.09	0.1	1.874401E+04	1.874415E+04	1.874401E+04	
dqdrtic	5000	0		8	12		0.47	1.14	(Time)	5.737415E-18	1.353416E-17	
dqrtic	5000	0		38	64		1.89	5.05	(Time)	1.182722E-05	1.654558E-17	
drcav1lq	10000	0			192				(Time)	(Time)	(Time)	
drcav2lq	10000	0			184				(Time)	(Time)	(Time)	
drcav3lq	10000	0			78				(Time)	(Time)	(Time)	
drcavty1	10000	0			192				(Time)	(Time)	(Time)	
drcavty2	10000	0			184				(Time)	(Time)	(Time)	
drcavty3	10000	0			78				(Time)	(Time)	(Time)	
dtoc1l	14985	9990			17			19.34	(Time)	ERROR	1.253381E+02	
dtoc1na	1485	990	2347	7	14	145.76	3.45	9.62	1.270201E+01	1.270203E+01	1.270203E+01	
dtoc1nb	1485	990	2750	6	12	153.71	3.16	7.78	1.593778E+01	1.593778E+01	1.593778E+01	
dtoc1nc	1485	990	2702	10	10	215.53	4.05	5.66	2.496981E+01	2.496982E+01	2.496981E+01	
dtoc1nd	735	490	1070	23	31	55.79	2.65	6.81	1.250176E+01	1.264446E+01	1.264446E+01	
dtoc2	5994	3996	4594	5	20	797.19	4.72	29.83	5.086847E-01	5.086762E-01	5.086762E-01	
dtoc3	14996	9997	11271		54	597.31		31.19	2.354119E+02	ERROR	2.352625E+02	
dtoc4	14996	9997			20			81.47	(Time)	ERROR	2.868538E+00	
dtoc5	9998	4999		5	19		1.68	47.2	(Time)	1.533728E+00	1.535111E+00	
dtoc6	10000	5000		13	27		4.05	66.08	(Time)	1.348506E+05	1.348506E+05	
edensch	2000	0	2035	9	11	480.78	0.33	0.55	1.200328E+04	1.200328E+04	1.200328E+04	
eigena	110	0	197	70	24	0.42	1.56	0.59	1.778509E-12	1.153829E-05	2.296236E-09	
eigena2	110	55	141	34	110	1.36	0.42	4.47	8.250000E+01	8.250000E+01	8.250000E+01	
eigenaco	110	55	20	3	28	0.04	0.08	0.91	0.000000E+00	0.000000E+00	3.303035E-20	
eigenals	110	0	166	33	34	0.5	1.23	3.02	1.901893E-13	1.055749E-13	5.441836E-21	
eigenb	110	0		111	84		3.01	2.36	(IL)	2.638882E-11	3.030767E-20	
eigenb2	110	55	142	96	36	1.46	0.85	1.33	1.600000E+00	1.600000E+00	1.600000E+00	t
eigenbco	110	55	31	2		0.04	0.06		9.000000E+00	9.000000E+00	(IL)	
eigenbls	110	0		119	83		6.06	5.84	(IL)	7.412289E-11	1.175836E-19	
eigenc2	462	231			77			163.92	ERROR	ERROR	7.718095E+02	
eigencco	30	15	57	12	32	0.11	0.04	0.14	5.694780E-13	2.091671E-11	1.084016E-18	
eigmaxa	101	101	124	23	67	0.09	0.12	0.4	-7.000000E+00	-1.000000E+00	-2.000000E+00	

			Iterations			Solution Time			Objective Value		
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO
eigmaxb	101	101	141	26	20	2.02	0.11	0.17	-5.748321E-01	-7.785812E-02	-8.701304E-03
eigmaxc	22	22	29	5	17	0.02	0.02	0.04	-1.000000E+00	-1.000000E+00	-2.000000E+00
eigmina	101	101	110	23	73	0.06	0.12	0.43	1.000000E+00	1.000000E+00	1.000000E+00
eigminb	101	101	103	26	13	0.21	0.11	0.11	8.701304E-03	7.785812E-02	9.674354E-04
eigminc	22	22	31	20	17	0.02	0.05	0.05	1.000000E+00	1.000000E+00	1.000000E+00
engval1	5000	0		10	16		0.57	1.78	(Time)	5.548668E+03	5.548668E+03
engval2	3	0	53	17	22	0.01	0.02	0.02	5.795381E-16	9.865230E-17	2.280503E-21
errinros	50	0	670	92	50	1.27	0.1	0.09	3.990415E+01	3.990415E+01	3.990415E+01
expfit	2	0	14	12	12	0	0.01	0.01	2.405106E-01	2.405106E-01	2.405106E-01
expfita	5	21	37	32	23	0.01	0.07	0.03	1.136612E-03	1.137646E-03	1.136612E-03
expfitb	5	101	191	48	31	0.11	0.23	0.08	5.019366E-03	5.020327E-03	5.019366E-03
expfitc	5	501	1659	143	46	3.48	3.07	0.43	2.330257E-02	2.330363E-02	2.330257E-02
explin	120	0	241	66	23	0.05	0.89	0.05	-7.237563E+05	-7.237558E+05	-7.237563E+05
explin2	120	0	160	63	24	0.04	0.86	0.04	-7.244591E+05	-7.244587E+05	-7.244591E+05
expquad	120	0	345	37	25	1.03	0.14	0.08	-3.624200E+06	-3.624600E+06	-3.624600E+06
extrasim	2	1	1	11	11	0	0.03	0.01	1.000000E+00	1.000001E+00	1.000000E+00
extrosnb	10	0	0		9	0		0.01	0.000000E+00	ERROR	6.864229E-20
fccu	19	8	29	6	19	0.01	0.02	0.04	1.114911E+01	1.114911E+01	1.114911E+01
fletcbv3	10000	0							(Time)	(IL)	(IL)
fletchbv	100	0							(Time)	(IL)	(IL)
fletchcr	100	0	576	99	51	2.71	0.14	0.14	1.697257E-12	7.810772E-15	1.145068E-20
fletcher	4	4		20	15		0.04	0.02	(Inf)	1.952538E+01	1.952537E+01
flosp2hh	650	0			161			28.67	(IL)	ERROR	3.887126E+01
flosp2hl	650	0			8			0.58	(IL)	(IL)	3.887054E+01
flosp2hm	650	0			8			0.62	(IL)	(IL)	3.887126E+01
flosp2th	650	0			9			0.7	(IL)	(IL)	1.000000E+01
flosp2tl	650	0			9			0.7	(IL)	(IL)	1.000000E+01
flosp2tm	650	0			9			0.72	(IL)	(IL)	1.000000E+01
fminsrf2	15625	0			394			979.79	(Time)	ERROR	1.000000E+00
fminsurf	1024	0	1337	293	55	250.41	112.31	342.53	1.000000E+00	1.000000E+00	1.000000E+00
freuroth	5000	0		12	21		1.62	6.95	(Time)	6.081592E+05	6.081592E+05
gausselm	1495	3690	2321	136		49.24	38.09		-1.000000E+00	-1.749101E+01	(IL)
genhs28	10	8	15	2	10	0	0.01	0.01	9.271737E-01	9.271737E-01	9.271737E-01
genhumps	5	0	75	52	79	0.02	0.04	0.08	6.899318E-13	1.866856E-16	4.623132E-13
genrose	500	0							(IL)	(IL)	(IL)
gigomez1	3	3	9	28	19	0.01	0.04	0.02	-3.000000E+00	-2.999996E+00	-3.000000E+00
gilbert	1000	1	1046	33	37	1351.52	0.91	350.59	4.820273E+02	4.820273E+02	4.820273E+02
goffin	51	50	25	45	13	0.05	0.74	0.1	-1.612599E-13	1.280026E-05	4.014975E-09
gottfr	2	0	22	9	11	0	0.01	0.01	1.496546E-16	1.424652E-09	2.030951E-15
gouldqp2	699	349	456	22	33	7.23	6.62	0.69	1.887481E-04	1.940013E-04	1.880014E-04
gouldqp3	699	349	469	22	23	1.4	1.67	0.56	2.065155E+00	2.065382E+00	2.065155E+00
gpp	250	498	1063	18	19	12.74	11.51	5.74	1.440093E+04	1.440093E+04	1.440093E+04
gridneta	8964	6724	8773	24	24	1685.39	24.25	6.59	3.049851E+02	3.049909E+02	3.049830E+02
gridnetb	13284	6724			18			16.74	(Time)	ERROR	1.433232E+02
gridnetc	7564	3844			41			16.01	(Time)	ERROR	1.618703E+02
gridnetd	3945	2644	2988	23	24	48.2	13.28	5.92	5.664454E+02	5.664467E+02	5.664444E+02
gridnete	7565	3844		14	19		9.1	14.43	(Time)	2.065547E+02	2.065547E+02
gridnetf	7565	3844			37			23.63	(Time)	ERROR	2.421090E+02
gridnetg	44	34	48	22	15	0.05	0.09	0.05	7.331703E+01	7.331703E+01	7.331703E+01
gridneth	61	36	99	21	13	0.15	0.09	0.05	3.962627E+01	3.962627E+01	3.962627E+01

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
gridneti	61	36	112	23	13	0.18	0.13	0.04	4.024746E+01	4.024749E+01	4.024746E+01	
grouping	100	125	44		17	0.03		0.15	1.385040E+01	ERROR	1.385040E+01	
growth	3	0	4	164	79	0	0.11	0.08	3.542149E+03	1.004041E+00	1.004041E+00	
growthls	3	0	5	164	78	0	0.12	0.09	3.542149E+03	1.004041E+00	1.004041E+00	
gulf	3	0	95	31	27	0.05	0.07	0.08	2.847867E-15	3.545246E-14	1.088382E-16	
hadamals	90	0	526	46	336	0.44	1.1	7.2	2.531642E+01	2.630884E+01	2.776962E+01	
hadamard	65	256	9		12	0.04		0.12	1.000000E+00	(IL)	1.000000E+00	
hager1	10000	5000		4	10		1.21	2.43	(Time)	8.807978E-01	8.807971E-01	t
hager2	10000	5000		4	10		1.74	4.06	(Time)	4.320823E-01	4.320823E-01	t
hager3	10000	5000		4	21		2.19	20.87	(Time)	1.409613E-01	1.409613E-01	t
hager4	10000	5000			17			7.13	(Time)	ERROR	2.794031E+00	t
haifam	85	150	936	152	43	1.85	1.48	0.51	-4.500029E+01	-4.500035E+01	-4.500069E+01	t
haifas	7	9	326	58	16	0.19	0.08	0.03	-4.500000E-01	-4.499962E-01	-4.500000E-01	
hairy	2	0	42	42	61	0.01	0.03	0.05	2.000000E+01	2.000000E+01	2.000000E+01	
haldmads	6	42	123	49	35	0.09	0.14	0.1	1.223483E-04	1.241968E-04	1.223712E-04	
hanging	288	180	993	41	17	20.55	1.33	0.26	-6.201760E+02	-6.201749E+02	-6.201760E+02	
harkerp2	100	0	338	26	30	0.25	0.49	0.62	-5.000000E-01	-4.993357E-01	-5.000000E-01	
hart6	6	0	27	23	25	0.01	0.05	0.02	-3.322887E+00	-3.322887E+00	-3.322887E+00	
hatflda	4	0	31	42	8	0.01	0.06	0.01	1.635036E-14	1.887063E-10	1.620361E-15	
hatfldb	4	0	28	15	11	0	0.03	0.01	5.572809E-03	5.573065E-03	5.572811E-03	
hatfldc	4	0	14	9	9	0	0.03	0.01	7.983361E-14	7.686482E-13	7.619277E-22	
hatfldd	3	0	40	26	25	0.01	0.03	0.03	2.546895E-07	8.568543E-08	6.615114E-08	
hatfldde	3	0	34	22	23	0.01	0.03	0.03	2.728742E-06	5.145831E-07	5.120377E-07	
hatfldf	3	0	90	14	17	0.01	0.02	0.02	2.204565E-13	1.010327E-07	1.809171E-16	
hatfldg	25	0	90	15	15	0.07	0.02	0.02	8.362117E-12	5.654608E-14	1.725783E-17	
hatfldh	4	7	6	26	16	0	0.05	0.02	-2.450000E+01	-2.450000E+01	-2.450000E+01	
heart6	6	0							(IL)	(IL)	(IL)	
heart6ls	6	0							(IL)	(IL)	(IL)	
heart8	8	0			57			0.08	(IL)	(IL)	3.359128E-22	
heart8ls	8	0			55			0.11	(IL)	(IL)	2.297870E-19	
helix	3	0	28	17	14	0	0.02	0.01	5.435146E-17	1.537360E-21	3.971305E-20	
hilberta	10	0	35	3	10	0.01	0.01	0.01	2.287273E-07	2.284370E-07	1.622714E-13	
hilbertb	50	0	56	5	10	0.07	0.05	0.1	5.523716E-13	2.066375E-13	4.902725E-16	
himmelba	2	0	6	2	10	0	0.01	0.01	1.026951E-23	5.048710E-29	1.656001E-19	
himmelbb	2	0	11	12	13	0	0.01	0.02	1.909359E-12	1.951933E-20	4.800729E-21	
himmelbc	2	0	10	8	15	0	0.01	0.01	7.060177E-16	1.540377E-15	1.678629E-20	
himmelbd	2	0	62		26	0.01		0.02	5.922563E+00	ERROR	5.922563E+00	
himmelbe	3	0	15	6	12	0	0.01	0.01	2.695575E-15	2.040325E-11	1.363248E-18	
himmelbf	4	0	93	13	23	0.01	0.02	0.03	3.185717E+02	3.185717E+02	3.185717E+02	
himmelbg	2	0	9	7	8	0	0.01	0.01	1.718921E-14	1.201872E-18	1.801602E-15	
himmelbh	2	0	7	4	10	0	0.01	0.01	-1.000000E+00	-1.000000E+00	-1.000000E+00	
himmelbi	100	12	106	25	25	0.22	0.19	0.06	-1.755000E+03	-1.755000E+03	-1.755000E+03	
himmelbj	43	14	538		240	0.32		1.15	-1.909840E+03	ERROR	-1.910345E+03	
himmelbk	24	14	78	26	18	0.06	0.12	0.06	5.181434E-02	5.183981E-02	5.181434E-02	
himmelp1	2	0	8	18	13	0.01	0.04	0.01	-2.389741E+01	-6.205387E+01	-6.205387E+01	
himmelp2	2	1	60	18	17	0.02	0.04	0.02	-8.198032E+00	-6.205387E+01	-6.205387E+01	
himmelp3	2	2	7	13	16	0.01	0.03	0.02	-5.901312E+01	-5.901312E+01	-5.901312E+01	
himmelp4	2	3	10	13	16	0	0.03	0.01	-5.901312E+01	-5.901312E+01	-5.901312E+01	
himmelp5	2	3	23	35	103	0	0.06	0.18	-5.901312E+01	-5.901312E+01	-5.901312E+01	t
himmelp6	2	4	0	16	30	0	0.04	0.02	-5.901312E+01	-5.901312E+01	-5.901312E+01	

			Iterations			Solution Time			Objective Value		
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO
hong	4	1	4	13	20	0	0.03	0.02	1.347307E+00	1.347332E+00	1.347307E+00
hs001	2	0	33	44	33	0.01	0.05	0.02	5.497753E-19	2.627965E-13	6.889873E-19
hs002	2	0	30	19	32	0	0.03	0.06	5.042619E-02	4.941231E+00	4.941229E+00
hs003	2	0	5	10	11	0	0.03	0.01	5.048710E-34	1.280017E-06	6.094869E-09
hs004	2	0	2	9	8	0	0.02	0	2.666667E+00	2.666669E+00	2.666667E+00
hs005	2	0	10	11	10	0	0.03	0.01	-1.913223E+00	-1.913223E+00	-1.913223E+00
hs006	2	1	5	11	11	0	0.02	0.01	4.930381E-32	5.297624E-16	8.063567E-18
hs007	2	1	11	7	16	0	0.02	0.02	-1.732051E+00	-1.732051E+00	-1.732051E+00
hs008	2	2	2	5	16	0	0.01	0.02	-1.000000E+00	-1.000000E+00	-1.000000E+00
hs009	2	1	9	5	10	0.01	0.02	0.01	-5.000000E-01	-5.000000E-01	-5.000000E-01
hs010	2	1	13	16	16	0	0.03	0.01	-1.000000E+00	-9.999987E-01	-1.000000E+00
hs011	2	1	11	12	15	0.01	0.03	0.02	-8.498469E+00	-8.498463E+00	-8.498464E+00
hs012	2	1	10	12	10	0	0.03	0.01	-3.000000E+01	-3.000000E+01	-3.000000E+01
hs013	2	1	1	25		0.01	0.04		1.280716E+00	1.006026E+00	(IL)
hs014	2	2	2	12	13	0	0.03	0.02	1.393465E+00	1.393466E+00	1.393465E+00
hs015	2	2	2	13	25	0	0.03	0.03	3.065000E+02	3.603799E+02	3.603798E+02
hs016	2	2	1	14	18	0.01	0.03	0.01	2.314466E+01	2.314472E+01	2.500000E-01
hs017	2	2	12	26	27	0.01	0.04	0.02	1.000000E+00	1.000002E+00	1.000000E+00
hs018	2	2	15	32	18	0.01	0.05	0.02	5.000000E+00	5.000000E+00	5.000000E+00
hs019	2	2	4	24	19	0.01	0.04	0.02	-6.961814E+03	-6.961812E+03	-6.961814E+03
hs020	2	3	1	13	24	0	0.03	0.02	4.019873E+01	4.019879E+01	4.019873E+01
hs021	2	1	3	23	11	0	0.04	0.01	-9.996000E+01	-9.996000E+01	-9.996000E+01
hs022	2	2	2	12	9	0	0.03	0	1.000000E+00	1.000003E+00	1.000000E+00
hs023	2	5	2	12	18	0	0.03	0.01	2.000000E+00	2.000003E+00	2.000000E+00
hs024	2	2	6	17	13	0	0.03	0.01	-1.000000E+00	-9.999974E-01	-1.000000E+00
hs025	3	0	0	35	26	0	0.11	0.07	3.283500E+01	2.249151E-10	6.513505E-18
hs026	3	1	32	15	15	0.01	0.03	0.01	2.109673E-11	1.305235E-10	2.494868E-10
hs027	3	1	30	22	58	0.01	0.03	0.12	4.000000E-02	4.000000E-02	4.000000E-02
hs028	3	1	8	2	8	0.01	0.01	0	1.701930E-27	6.409495E-31	1.252233E-16
hs029	3	1	16	13	10	0.01	0.03	0.01	-2.262742E+01	-2.262742E+01	-2.262742E+01
hs030	3	1	5	232	9	0.01	0.21	0	1.000000E+00	9.999991E-01	1.000000E+00
hs031	3	1	15	18	13	0.01	0.04	0.01	6.000000E+00	6.000001E+00	6.000000E+00
hs032	3	2	4	17	23	0	0.03	0.02	1.000000E+00	1.000002E+00	1.000000E+00
hs033	3	2	1	24	12	0.01	0.04	0.01	-3.999990E+00	-4.585783E+00	-4.585786E+00
hs034	3	2	5	25	16	0.01	0.04	0.01	-8.340332E-01	-8.340317E-01	-8.340324E-01
hs035	3	1	16	12	10	0.01	0.03	0	1.111111E-01	1.111114E-01	1.111111E-01
hs036	3	1	3	10	16	0	0.03	0.01	-3.300000E+03	-3.300000E+03	-3.300000E+03
hs037	3	1	7	10	11	0	0.03	0.01	-3.456000E+03	-3.456000E+03	-3.456000E+03
hs038	4	0	123	62	44	0.01	0.08	0.03	3.167088E-17	2.372762E-14	3.323500E-18
hs039	4	2	18	14	17	0.01	0.02	0.02	-1.000000E+00	-1.000000E+00	-1.000000E+00
hs040	4	3	10	3	11	0	0.01	0.02	-2.500000E-01	-2.500000E-01	-2.500000E-01
hs041	4	1	11	17	16	0	0.04	0.01	1.925926E+00	1.925926E+00	1.925926E+00
hs042	3	1	12	10	12	0	0.03	0.02	1.385786E+01	1.385786E+01	1.385786E+01
hs043	4	3	15	13	11	0.01	0.03	0.01	-4.400000E+01	-4.400000E+01	-4.400001E+01
hs044	4	6	7	19	12	0	0.04	0.01	-1.500000E+01	-1.499999E+01	-1.500000E+01
hs045	5	0	0	17	23	0.01	0.04	0.02	2.000000E+00	1.000006E+00	1.000000E+00
hs046	5	2	53	15	20	0.02	0.03	0.02	2.896516E-11	6.711535E-10	1.338387E-11
hs047	5	3	28	15	21	0.01	0.03	0.02	6.972378E-11	3.958329E-09	3.702732E-11
hs048	5	2	12	2	8	0	0.01	0	1.211921E-13	2.465190E-31	9.131115E-17
hs049	5	2	25	14	24	0.01	0.02	0.02	5.993149E-09	1.178836E-07	1.213106E-11

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
hs050	5	3	27	9	16	0	0.02	0.02	2.067168E-13	4.979684E-30	7.656906E-15	
hs051	5	3	10	2	8	0.01	0.01	0.01	1.064020E-25	2.465190E-32	1.538886E-17	
hs052	5	3	9	2	8	0	0.01	0.01	5.326648E+00	5.326648E+00	5.326647E+00	
hs053	5	3	8	6	11	0.01	0.02	0.01	4.093023E+00	4.093023E+00	4.093023E+00	
hs054	6	1	8	12	12	0.01	0.03	0.01	1.928571E-01	1.928571E-01	1.928571E-01	
hs055	6	6	3		14	0		0.02	6.666667E+00	ERROR	6.333333E+00	
hs056	7	4	19	22	17	0	0.04	0.02	-3.456000E+00	-3.456000E+00	-3.456000E+00	
hs057	2	1	5	12	16	0.01	0.04	0.02	3.064631E-02	3.064762E-02	2.845967E-02	
hs059	2	3	18	22	22	0	0.04	0.02	-7.802789E+00	-6.749505E+00	-7.802789E+00	
hs060	3	1	12	9	18	0.01	0.03	0.02	3.256820E-02	3.256820E-02	3.256820E-02	
hs061	3	2	16	6	13	0.01	0.02	0.02	-1.436461E+02	-1.436461E+02	-1.436461E+02	
hs062	3	1	14	8	13	0.01	0.02	0.01	-2.627251E+04	-2.627251E+04	-2.627251E+04	
hs063	3	2	30	10	11	0.01	0.03	0.01	9.617152E+02	9.617152E+02	9.617152E+02	
hs064	3	1	37	17	30	0.01	0.03	0.03	6.299842E+03	6.299843E+03	6.299842E+03	
hs065	3	1	22	25	21	0.01	0.04	0.02	9.535288E-01	9.535291E-01	9.535289E-01	
hs066	3	2	7	22	16	0	0.04	0.01	5.181631E-01	5.181658E-01	5.181633E-01	
hs070	4	1	37	22	27	0.03	0.08	0.08	9.401973E-03	9.401973E-03	1.751745E-01	
hs071	4	2	10	14	16	0.01	0.03	0.02	1.701402E+01	1.701402E+01	1.701402E+01	
hs072	4	2	33	38	26	0.01	0.06	0.03	7.267833E+02	7.276789E+02	7.276793E+02	
hs073	4	3	11	13	21	0	0.03	0.02	2.989438E+01	2.989440E+01	2.989438E+01	
hs074	4	4	20	19	21	0	0.04	0.02	5.126498E+03	5.126498E+03	5.126498E+03	
hs075	4	4	9	108	21	0	0.14	0.02	5.174413E+03	5.174413E+03	5.174413E+03	
hs076	4	3	10	11	11	0	0.03	0.01	-4.681818E+00	-4.681816E+00	-4.681818E+00	
hs077	5	2	20	9	16	0	0.02	0.03	2.415051E-01	2.415050E-01	2.415051E-01	
hs078	5	3	12	4	12	0.01	0.02	0.02	-2.919700E+00	-2.919700E+00	-2.919700E+00	
hs079	5	3	14	5	9	0	0.02	0.01	7.877682E-02	7.877692E-02	7.877683E-02	
hs080	5	3	11	12	12	0	0.03	0.02	5.394985E-02	5.394985E-02	5.394985E-02	
hs081	5	3	12	12	19	0	0.03	0.03	5.394985E-02	5.394985E-02	5.394985E-02	
hs083	5	3	3	11	16	0	0.03	0.01	-3.066554E+04	-3.066554E+04	-3.066554E+04	
hs084	5	3	20	8	23	0.01	0.02	0.03	-5.280335E+06	-5.280335E+06	-5.280335E+06	
hs085	5	38	19	49	191	0.03	0.11	0.74	-1.905155E+00	-1.905154E+00	-1.905155E+00	
hs086	5	6	16	19	13	0	0.04	0.02	-3.234868E+01	-3.234865E+01	-3.234868E+01	
hs087	11	6	25	198	24	0.01	0.3	0.03	8.827598E+03	8.827598E+03	8.827598E+03	
hs088	2	1	37		29	0.04		0.19	1.362657E+00	(IL)	1.362657E+00	
hs089	3	1	61		34	0.1		0.29	1.362657E+00	(IL)	1.362657E+00	
hs090	4	1	40		34	0.06		0.42	1.362657E+00	(IL)	1.362657E+00	
hs091	5	1	44		35	0.11		0.57	1.362657E+00	(IL)	1.362657E+00	
hs092	6	1	47		28	0.09		0.65	1.362656E+00	(IL)	1.362657E+00	
hs093	6	2	36	9	13	0.01	0.03	0.02	1.350760E+02	1.350760E+02	1.350760E+02	
hs095	6	4	1	23	15	0	0.05	0.02	1.561953E-02	1.565788E-02	1.561953E-02	
hs096	6	4	1	23	16	0.01	0.05	0.02	1.561953E-02	1.565788E-02	1.561953E-02	
hs097	6	4	10	21	34	0.01	0.04	0.05	3.135809E+00	3.135848E+00	4.071246E+00	
hs098	6	4	10	22	40	0.01	0.05	0.06	3.135809E+00	3.135848E+00	4.071246E+00	
hs099	19	14	51	10	24	0.03	0.03	0.04	-8.310799E+08	-8.310799E+08	-8.310799E+08	
hs100	7	4	29	14	11	0.01	0.03	0.01	6.806301E+02	6.806301E+02	6.806301E+02	
hs100lnp	7	2	24	9	13	0	0.02	0.02	6.806301E+02	6.806301E+02	6.806301E+02	
hs100mod	7	4	27	16	15	0.01	0.04	0.01	6.787547E+02	6.787547E+02	6.787547E+02	
hs101	7	6	529	281	145	0.48	0.42	0.42	1.809765E+03	1.809766E+03	1.809765E+03	
hs102	7	6	539	288	100	0.48	0.42	0.27	9.118806E+02	9.118830E+02	9.118806E+02	
hs103	7	6	352	321	44	0.31	0.48	0.1	5.436680E+02	5.436686E+02	5.436680E+02	

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
hs104	8	6	31	35	14	0.02	0.06	0.02	3.951163E+00	3.951169E+00	3.951163E+00	
hs105	8	0	214	37	17	0.41	1.08	0.54	1.136307E+03	1.136361E+03	1.136361E+03	
hs106	8	6	32	90	61	0.01	0.13	0.08	7.049248E+03	7.049253E+03	7.049248E+03	
hs107	9	6	24		290	0.01		0.74	5.055012E+03	(IL)	5.055012E+03	
hs108	9	13	49	38	19	0.02	0.07	0.03	-8.660254E-01	-6.749799E-01	-8.660254E-01	
hs109	9	10	43	162	77	0.01	0.29	0.15	5.326851E+03	5.326851E+03	5.326851E+03	
hs110	10	0	22	18	11	0.01	0.04	0.02	-4.577847E+01	-4.577847E+01	-4.577847E+01	
hs111	10	3	74	18	17	0.05	0.05	0.03	-4.776040E+01	-4.776109E+01	-4.776109E+01	
hs111lnp	10	3	120	12	21	0.1	0.03	0.04	-4.773240E+01	-4.776109E+01	-4.776109E+01	
hs112	10	3	51	11	27	0.01	0.03	0.06	-4.776109E+01	-4.776109E+01	-4.776109E+01	
hs113	10	8	32	15	16	0.02	0.04	0.01	2.430621E+01	2.430622E+01	2.430621E+01	
hs114	10	11	35	41	27	0.02	0.08	0.03	-1.768807E+03	-1.768806E+03	-1.768807E+03	
hs116	13	15	69	38	86	0.03	0.1	0.15	9.758751E+01	9.758960E+01	9.758751E+01	
hs117	15	5	68	39	19	0.03	0.09	0.02	3.234868E+01	3.234875E+01	3.234868E+01	
hs118	15	17	30	19	15	0.01	0.06	0.01	6.648205E+02	6.648205E+02	6.648205E+02	
hs119	16	8	56	39	32	0.01	0.11	0.05	2.448997E+02	2.448999E+02	2.448997E+02	
hs21mod	7	1	3	27	22	0	0.05	0.02	-9.596000E+01	-9.596000E+01	-9.596000E+01	
hs268	5	5	68	30	27	0.01	0.06	0.03	-7.219114E-12	2.558747E-07	6.525624E-09	
hs35mod	2	1	9	16	16	0.01	0.03	0.01	2.500000E-01	2.500003E-01	2.500000E-01	
hs3mod	2	0	6	12	12	0	0.03	0.01	7.346840E-38	1.280000E-06	3.075430E-09	
hs44new	4	5	9	12	21	0	0.03	0.02	-1.500000E+01	-1.499999E+01	-1.500000E+01	
hs99exp	28	21	188	17	318	0.16	0.05	0.63	-1.008063E+09	-1.008062E+09	-1.008063E+09	
hubfit	2	1	8	23	12	0	0.04	0.01	1.689349E-02	1.689375E-02	1.689350E-02	
hues-mod	10000	2			283			60.27	(Time)	ERROR	3.482449E+07	
huestis	10000	2			63			12.66	(Time)	ERROR	3.482449E+11	t
humps	2	0	97	239	212	0.01	0.12	0.19	5.411037E-11	6.108646E-10	8.035389E-13	
hvycrash	201	150	2146	109	24	10.1	1.35	0.34	-2.185000E-01	-1.681462E-04	-2.185000E-01	
hypcir	2	0	9	5	13	0	0.01	0.01	2.641053E-18	1.002242E-17	1.640156E-19	
indef	1000	0							(Unb)	(IL)	(IL)	
integreq	100	0	106	3	8	0.43	4.72	10.36	4.371511E-14	8.948869E-13	1.004239E-17	
jensmp	2	0	37	9	14	0	0.01	0.01	1.243622E+02	1.243622E+02	1.243622E+02	
kissing	127	903		87	33		16.7	3.14	(Inf)	8.446393E-01	1.000001E+00	t
kiwcresc	3	2	12	19	15	0	0.04	0.01	-1.662398E-07	2.560016E-06	-1.414534E-08	
kowosb	4	0	29	13	11	0.01	0.02	0.01	3.075056E-04	3.075056E-04	3.075056E-04	
ksip	20	1000	2438	33	47	25.85	25.04	1.83	5.757979E-01	5.758009E-01	5.757979E-01	
lakes	90	78	163		275	0.17		1.22	3.505248E+05	ERROR	3.505248E+05	
launch	25	29							(Inf)	ERROR	(IL)	
lch	600	1			29			49.66	(Time)	(IL)	-4.318289E+00	
lewispol	6	9							(Inf)	ERROR	(IL)	
liarwhd	10000	0		13	22		2.26	7.72	(Time)	1.104901E-09	7.971390E-23	
linspanh	72	32	7	14	12	0.01	0.11	0.03	-7.700000E+01	-7.700000E+01	-7.700000E+01	
liswet1	10002	10000			17			7.23	ERROR	ERROR	2.500304E+01	t
liswet10	10002	10000			14			6.03	ERROR	ERROR	2.499967E+01	t
liswet11	10002	10000	33		15	9.69		7.01	4.951573E+01	ERROR	2.499971E+01	t
liswet12	10002	10000			15			6.91	ERROR	ERROR	-5.026353E+03	t
liswet2	10002	10000	33		12	4.82		4.77	2.500554E+01	ERROR	2.499971E+01	t
liswet3	10002	10000	49		41	11.11		12.38	2.500729E+01	ERROR	2.499981E+01	
liswet4	10002	10000	51		46	10.13		14.26	2.500729E+01	ERROR	2.499981E+01	
liswet5	10002	10000	53		33	12.77		10.67	2.500720E+01	ERROR	2.499982E+01	
liswet6	10002	10000	50		19	11.01		5.8	2.500699E+01	ERROR	2.499986E+01	

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			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
liswet7	10002	10000			10			3.82	ERROR	ERROR	2.499979E+01	t
liswet8	10002	10000			10			3.72	ERROR	ERROR	2.499977E+01	t
liswet9	10002	10000			10			3.77	ERROR	ERROR	2.499976E+01	t
lminsurf	15129	0			148			429.49	(Time)	ERROR	9.000000E+00	
loadbal	31	31	87	23	24	0.08	0.1	0.04	4.528510E-01	4.528537E-01	4.528510E-01	
loghairy	2	0	167	79	89	0.03	0.05	0.09	1.823216E-01	6.337444E+00	1.823216E-01	t
logros	2	0	144	65	72	0.01	0.07	0.05	0.000000E+00	1.474376E-13	0.000000E+00	
lootsma	3	2	1	24	12	0	0.04	0.01	2.000010E+00	1.414217E+00	1.414214E+00	
lotschd	12	7	6	14	15	0	0.04	0.02	2.398416E+03	2.398416E+03	2.398416E+03	
lsnnodoc	5	4	4	19	21	0	0.04	0.02	1.231124E+02	1.231125E+02	1.231124E+02	
lsqfit	2	1	7	23	12	0	0.04	0.01	3.378699E-02	3.378724E-02	3.378701E-02	
madsen	3	6	17	18	24	0.01	0.04	0.02	6.164324E-01	6.164350E-01	6.164324E-01	
madsschj	81	158	414	62	27	2.74	6.74	1.24	-7.972837E+02	-7.972837E+02	-7.972837E+02	
makela1	3	2	9	19	16	0.01	0.03	0.02	-1.414214E+00	-1.414211E+00	-1.414214E+00	
makela2	3	3	6	13	14	0.01	0.03	0.01	7.200000E+00	7.200003E+00	7.200000E+00	
makela3	21	20	128	18	18	0.06	0.05	0.03	-2.005109E-11	5.120000E-06	1.647742E-09	
makela4	21	40	1	19	12	0	0.06	0.02	0.000000E+00	1.024000E-05	1.353583E-08	
mancino	100	0		9	19		2.27	4.16	ERROR	2.807908E-18	3.124897E-21	
manne	1094	730	729			1.77			-9.745726E-01	(Time)	(IL)	
maratos	2	1	5	3	9	0	0.02	0.01	-1.000000E+00	-1.000000E+00	-1.000000E+00	
maratosb	2	0	5	2	18	0	0.01	0.02	-1.000000E+00	-1.000000E+00	-1.000000E+00	
matrix2	6	2	19	28	29	0.01	0.04	0.03	1.490156E-08	6.783238E-06	2.032059E-08	
mccormck	50000	0			10			17.42	(Time)	ERROR	-4.566161E+04	
mconcon	15	11	11	272	115	0.01	0.37	0.19	-6.230796E+03	-6.230796E+03	-6.230796E+03	
mdhole	2	0	108	30	20	0.02	0.05	0.02	3.009266E-32	1.280000E-06	2.035453E-10	t
mexhat	2	0	24	4	8	0	0.01	0.01	-4.010000E-02	-4.010000E-02	-4.010000E-02	
meyer3	3	0			183			0.2	ERROR	ERROR	8.794586E+01	t
mifflin1	3	2	8	10	9	0	0.03	0.01	-1.000000E+00	-9.999974E-01	-1.000000E+00	
mifflin2	3	2	13	26	16	0.01	0.04	0.02	-1.000000E+00	-9.999974E-01	-1.000000E+00	
minc44	303	262	969	34		4.19	3.8		2.573029E-03	2.574637E-03	ERROR	
minmaxbd	5	20	53	91	35	0.02	0.16	0.05	1.157064E+02	1.157064E+02	1.157064E+02	
minmaxrb	3	4	8	31	30	0	0.04	0.04	8.881784E-16	5.120009E-06	8.710465E-09	
minsurf	36	0	51	13	9	0.04	0.02	0.02	1.000000E+00	1.000000E+00	1.000000E+00	
model	60	32	36	57	15	0.01	0.24	0.03	5.742163E+03	5.742171E+03	5.742163E+03	
morebv	5000	0	0	1	8	0.14	31.19	1.19	1.039542E-11	9.919786E-12	9.297120E-12	
mosarqp1	2500	700	4578	28	18	344.92	31.41	1.04	-9.528754E+02	-9.528659E+02	-9.528754E+02	
mosarqp2	900	600	2574	24	22	77.89	17.96	0.87	-1.597482E+03	-1.597480E+03	-1.597482E+03	
msqrta	1024	0		48	33		555.46	844.18	(IL)	7.086819E-12	8.198382E-20	
msqrtals	1024	0		48	33		554.07	845.35	(IL)	7.086819E-12	8.198382E-20	
msqrtb	1024	0		47	26		361.79	766.17	(IL)	4.010158E-11	2.693251E-19	
msqrtbls	1024	0		47	26		368.85	768.96	(IL)	4.010158E-11	2.693251E-19	
mwright	5	3	17	6	16	0.01	0.02	0.03	2.497881E+01	2.497881E+01	2.497881E+01	
ncvxbqp1	10000	0	10000		539	121.96		1285	-1.985544E+10	ERROR	-1.985544E+10	t
ncvxbqp2	10000	0	10954		900	142.78		2125	-1.334020E+10	ERROR	-1.331105E+10	t
ncvxbqp3	10000	0	12440		403	175.3		974.3	-6.559391E+09	ERROR	-6.520234E+09	t
ncvxqp1	1000	500	626	59	422	1.63	9.97	375.2	-7.151226E+07	-7.158554E+07	-7.159169E+07	
ncvxqp2	1000	500	891		217	2.6	7.52	187.4	-5.779229E+07	-5.778819E+07	-5.781269E+07	
ncvxqp3	1000	500	1476	75	78	4.96	26.03	53.62	-3.141258E+07	-3.080770E+07	-3.138459E+07	t
ncvxqp4	1000	250	811		399	1.48	2.52	188.67	-9.393431E+07	-9.396711E+07	-9.397879E+07	
ncvxqp5	1000	250	883		210	1.63	2.71	98.83	-6.636307E+07	-6.625137E+07	-6.629277E+07	

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
ncvxqp6	1000	250	1227	86	124	2.75	5.54	53.72	-3.530472E+07	-3.462029E+07	-3.482671E+07	t
ncvxqp7	1000	750	609		459	1.98	11.27	457.97	-4.351940E+07	-4.338651E+07	-4.352430E+07	
ncvxqp8	1000	750	657		191	2.21	7.55	176.47	-3.049206E+07	-3.047239E+07	-3.045733E+07	
ncvxqp9	1000	750	1033		116	4.21	9.95	107.01	-2.157840E+07	-2.153953E+07	-2.157475E+07	
ngone	97	1273	235	97	32	2.33	10.62	1.76	-6.091020E-01	-6.408969E-01	-6.332839E-01	
nondia	9999	0		5	13		0.8	4.5	(Time)	5.755539E-10	2.463476E-22	
nondquar	10000	0		163	24		33.9	6.36	(Time)	3.101972E-06	7.176692E-11	
nonmsqrt	9	0		73	238		0.05	0.24	ERROR	7.520437E-01	7.518010E-01	
nonscomp	10000	0			33			8.58	(Time)	ERROR	2.409421E-09	
odfits	10	6	30	12	12	0.01	0.03	0.01	-2.380027E+03	-2.380027E+03	-2.380027E+03	
oet1	3	1002	159	36	16	0.83		0.22	5.382431E-01	ERROR	5.382431E-01	
oet2	3	1002	349	71	107	2.05	37.45	2.59	8.716015E-02	8.716027E-02	8.715963E-02	t
oet3	4	1002	150	44	17	0.7	24.53	0.28	4.504547E-03	4.512137E-03	4.505056E-03	
oet7	7	1002	2186	88	228	60.68	85.7	12.24	4.424883E-05	2.089089E-03	4.445575E-05	
optcdeg2	1198	799	2902	29	74	13.89	2.13	3.72	2.295734E+02	2.295891E+02	2.295734E+02	
optcdeg3	1198	799	2778	36	55	13.2	3.15	2.84	4.614569E+01	4.614775E+01	4.614567E+01	
optcntrl	28	20	29	46	44	0.01	0.12	0.08	5.500000E+02	5.499991E+02	5.500000E+02	
optctrl3	118	80		34	36		0.15	0.32	(IL)	2.048017E+03	2.048017E+03	
optctrl6	118	80		34	36		0.15	0.31	(IL)	2.048017E+03	2.048017E+03	
optmass	66	55	106	21	18	0.1	0.08	0.06	-1.895425E-01	-1.895284E-01	-1.895425E-01	
optprloc	30	29	80	75	82	0.05	0.23	0.22	-1.641977E+01	-1.641974E+01	-1.641977E+01	t
orthrdm2	4003	2000	4023	6	333	3363.35	35.8	250.98	1.555328E+02	1.555328E+02	1.053885E+04	
orthrds2	203	100			897			20.23	ERROR	ERROR	1.044332E+03	t
orthrega	517	256	541	7	63	20.8	0.21	2.72	1.664801E+03	1.664801E+03	1.414056E+03	
orthregb	27	6	31	3	26	0.03	0.02	0.08	7.263541E-12	4.057493E-17	4.442932E-19	
orthregc	10005	5000			23			96.45	(Time)	ERROR	1.895946E+02	
orthregd	10003	5000			442			1656.74	(Time)	ERROR	4.245801E+04	
orthrege	36	20	261	488	28	1.01	0.75	0.1	3.874870E+00	3.662142E+00	5.898964E+00	t
orthrgdm	10003	5000			12			46.83	(Time)	ERROR	1.513802E+03	t
orthrgds	10003	5000			295			973.04	(Time)	ERROR	2.603509E+04	
osbornea	5	0	147	66	19	0.04	0.07	0.03	5.464895E-05	5.465699E-05	5.464895E-05	
osborneb	11	0	106	21	28	0.08	0.07	0.13	4.013774E-02	4.013774E-02	8.759472E-02	
oslbqp	8	0	6	16	19	0	0.04	0.01	6.250000E+00	6.250006E+00	6.250000E+00	
palmer1	4	0	41		16	0		0.02	1.175460E+04	ERROR	1.175460E+04	
palmer1a	6	0	219	101	46	0.04	0.13	0.04	8.988363E-02	8.988363E-02	8.988363E-02	
palmer1b	4	0	116	35	39	0.02	0.06	0.05	3.447355E+00	3.447355E+00	3.447355E+00	
palmer1c	8	0	138		43	0.03		0.05	9.759799E-02	ERROR	9.759799E-02	
palmer1d	7	0	91		138	0.02		0.14	6.526826E-01	(IL)	6.526826E-01	
palmer1e	8	0	328		103	0.08		0.16	8.352683E-04	(IL)	8.352683E-04	
palmer2	4	0	45		10	0.01		0.01	3.651090E+03	ERROR	3.651090E+03	
palmer2a	6	0	168		95	0.03		0.12	1.716074E-02	(IL)	1.716074E-02	
palmer2b	4	0	62	37	30	0.01	0.06	0.03	6.233947E-01	6.233947E-01	6.233947E-01	
palmer2c	8	0	46		48	0.01		0.07	1.442139E-02	(IL)	1.442139E-02	
palmer2e	8	0	373		95	0.08		0.13	2.153525E-04	(IL)	2.153525E-04	
palmer3	4	0	15		13	0.01		0.02	2.416980E+03	ERROR	2.265958E+03	
palmer3a	6	0	198		88	0.03		0.12	2.043142E-02	(IL)	2.043142E-02	
palmer3b	4	0	73	39	21	0.01	0.06	0.02	4.227647E+00	4.227647E+00	4.227647E+00	
palmer3c	8	0	123		44	0.02		0.07	1.953764E-02	(IL)	1.953764E-02	
palmer3e	8	0	420		143	0.09		0.21	5.074084E-05	(IL)	5.074084E-05	
palmer4	4	0	15		13	0		0.02	2.424016E+03	ERROR	2.285383E+03	

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
palmer4a	6	0	129		71	0.02		0.1	4.060614E-02	(IL)	4.060614E-02	
palmer4b	4	0	46	34	22	0.01	0.05	0.02	6.835139E+00	6.835139E+00	6.835139E+00	
palmer4c	8	0	127		41	0.02		0.06	5.031070E-02	(IL)	5.031070E-02	
palmer4e	8	0	214		88	0.05		0.13	1.480042E-04	(IL)	1.480042E-04	
palmer5a	8	0							(IL)	(IL)	(IL)	
palmer5b	9	0			237			0.36	(IL)	(IL)	9.752493E-03	
palmer5c	6	0	24	32	36	0.01	0.03	0.04	2.128087E+00	2.128087E+00	2.128087E+00	
palmer5d	4	0	41	45	29	0	0.03	0.02	8.733940E+01	8.733940E+01	8.733940E+01	
palmer5e	8	0			38			0.06	(IL)	(IL)	1.630506E+00	
palmer6a	6	0	304		163	0.05		0.17	5.594884E-02	ERROR	5.594884E-02	
palmer6c	8	0	53	105	155	0.01	0.08	0.13	1.638742E-02	1.638742E-02	1.638742E-02	
palmer6e	8	0	244	168	134	0.05	0.2	0.15	2.239550E-04	2.239550E-04	2.239550E-04	
palmer7a	6	0							(IL)	(IL)	(IL)	
palmer7c	8	0	157		31	0.03		0.03	6.019857E-01	(IL)	6.019857E-01	
palmer7e	8	0			104			0.15	(IL)	(IL)	1.015390E+01	t
palmer8a	6	0	109		53	0.02		0.06	7.400970E-02	(IL)	7.400970E-02	
palmer8c	8	0	221	890	46	0.04	0.59	0.05	1.597681E-01	1.597681E-01	1.597681E-01	
palmer8e	8	0	153		64	0.04		0.08	6.339307E-03	(IL)	6.339307E-03	
penalty1	1000	0	1170	46	56	61.84	14.8	338.67	9.686275E-03	9.686191E-03	9.686175E-03	
penalty2	100	0	231	19	22	0.79	0.16	0.26	9.709608E+04	9.709608E+04	9.709608E+04	
pentagon	6	12	23	37	27	0.01	0.06	0.03	1.365218E-04	1.378273E-04	1.365217E-04	
pentdi	1000	0	4	19	20	0.04	0.8	0.48	-7.500000E-01	-7.450021E-01	-7.500000E-01	
pfit1	3	0	1263	521	235	0.14	0.3	0.22	4.868916E-15	5.314327E-07	1.128807E-22	
pfit1ls	3	0	1263	521	235	0.14	0.31	0.22	4.868916E-15	5.314327E-07	1.128807E-22	
pfit2	3	0	1122		88	0.13		0.08	4.176697E-17	ERROR	1.079845E-20	
pfit2ls	3	0	1122		88	0.13		0.08	4.176697E-17	ERROR	1.079845E-20	
pfit3	3	0	1236	266	116	0.14	0.16	0.1	2.371910E-17	2.147884E-09	2.405810E-22	
pfit3ls	3	0	1236	266	116		0.16	0.1	2.371910E-17	2.147884E-09	2.405810E-22	
pfit4	3	0	1332		214	0.15		0.2	2.096587E-19	ERROR	1.672852E-20	
pfit4ls	3	0	1332		214	0.15		0.2	2.096587E-19	ERROR	1.672852E-20	
polak1	3	2	14	14	14	0	0.03	0.01	2.718282E+00	2.718284E+00	2.718282E+00	
polak2	11	2	97	74	26	0.06	0.08	0.03	5.459815E+01	5.459815E+01	5.459815E+01	
polak3	12	10	88	85	22	0.1	0.16	0.04	5.933003E+00	5.933004E+00	5.933003E+00	
polak4	3	3	7	730	13	0.01	0.68	0.01	-1.180822E-08	3.840014E-06	2.285833E-13	
polak5	3	2	27	15	71	0.01	0.03	0.09	5.000000E+01	5.000000E+01	5.000000E+01	
polak6	5	4	36	25	31	0.01	0.05	0.04	-4.400000E+01	-4.400000E+01	-4.400000E+01	
porous1	4900	0		183	40		716.95	81.96	(Time)	1.606012E-15	7.815033E-13	
porous2	4900	0		356	38		164.12	86	(Time)	2.385093E-17	2.162161E-20	
portfl1	12	1	41	12	19	0.02	0.05	0.03	2.048627E-02	2.048788E-02	2.048628E-02	
portfl2	12	1	33	11	20	0.01	0.04	0.03	2.968924E-02	2.969125E-02	2.968924E-02	
portfl3	12	1	34	12	18	0.01	0.04	0.03	3.274971E-02	3.275127E-02	3.274971E-02	
portfl4	12	1	35	12	18	0.01	0.04	0.03	2.630695E-02	2.630854E-02	2.630696E-02	
portfl6	12	1	33	11	19	0.01	0.04	0.03	2.579180E-02	2.579342E-02	2.579180E-02	
powell20	1000	1000	501	55	27	2.38	2.13	0.94	5.214578E+07	5.214564E+07	5.214578E+07	
powellbs	2	0		43	87		0.03	0.07	(IL)	4.487135E-06	2.151572E-17	
powellsq	2	0	11	17	13	0	0.02	0.01	1.615581E-09	7.691456E-16	8.561880E-17	
power	1000	0	2626	8	13	695.27	1.92	0.18	2.573182E-16	4.015392E-15	7.250221E-20	
probpenl	500	0	1003	6	17	6.19	0.56	22.92	3.991984E-07	3.991984E-07	-1.390891E-05	t
prodpl0	60	29	88	22	70	0.03	0.09	0.13	6.091924E+01	6.091949E+01	6.091924E+01	
prodpl1	60	29	101	20	58	0.03	0.09	0.1	5.303702E+01	5.303727E+01	5.303702E+01	

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
pspdoc	4	0	14	17	11	0	0.03	0.01	2.414214E+00	2.414215E+00	2.414214E+00	
pt	2	501	1		16	0.04	13.85	0.09	1.783942E-01	1.783949E-01	1.783942E-01	
qpcboei1	372	288	2347		76	4.98	13.52	1.02	1.443387E+07	1.443387E+07	1.443387E+07	
qpcboei2	143	125	514	23	103	0.46		0.52	8.293666E+06	(IL)	8.293666E+06	
qpcstair	385	356	775	362	309	2.66	24.12	6.42	6.204392E+06	6.204392E+06	6.204391E+06	
qpnboei1	372	288	2600	516		6.51	43.52		8.461184E+06	8.514858E+06	(IL)	
qpnboei2	143	125	514	197	207	0.53	4.8	2.26	1.271826E+06	1.271824E+06	1.271826E+06	
qpnstair	385	356	823	232	453	3.12	21.56	21.32	5.146033E+06	5.146036E+06	5.146033E+06	
qr3dls	155	0		73	52		4.94	4.01	(IL)	1.061916E-12	9.517934E-21	
qrtquad	120	0	340	34	343	1.01	0.13	3.01	-3.648088E+06	-3.648088E+06	-3.648088E+06	t
quartc	10000	0		40	69		3.89	11.68	(Time)	3.689021E-05	2.406057E-18	
qudlin	12	0	12	35	19	0	0.06	0.02	-7.200000E+03	-7.200000E+03	-7.200000E+03	
reading1	10001	5000			225			717.61	(Time)	ERROR	-1.604803E-01	t
reading2	15001	10000	17172		24	996.02		10.93	-8.140910E-03	ERROR	-1.258248E-02	
reading3	202	102	102	94	56	0.08	1.09	0.81	0.000000E+00	-4.825050E-07	-4.509156E-13	
recipe	3	0	35	16	21	0.01	0.02	0.02	1.744585E-09	7.066037E-09	2.419923E-09	
res	18	2	0	30	25	0	0.08	0.02	1.717753E-28	1.279640E-06	9.510216E-09	
rk23	17	11	22	33	13	0.01	0.05	0.02	8.333333E-02	8.333973E-02	8.333333E-02	
robot	7	2	57	6	17	0.03	0.02	0.02	3.849053E+01	6.593299E+00	6.593299E+00	
rosenbr	2	0	36	26	26	0	0.02	0.02	2.230406E-13	5.371382E-21	4.623700E-20	
rosenmmx	5	4	27	29	15	0	0.05	0.01	-4.400000E+01	-4.400000E+01	-4.400001E+01	
s201	2	0	6	2	10	0	0.01	0.01	6.309780E-24	0.000000E+00	2.770557E-20	
s202	2	0	26	6	13	0.01	0.01	0.01	4.898425E+01	4.898425E+01	4.898425E+01	
s203	5	3	13	4	23	0	0.02	0.03	8.394713E-15	3.168837E-19	1.480373E-17	
s204	2	0	13	4	8	0.01	0.01	0.01	1.836012E-01	1.836012E-01	1.836012E-01	
s205	2	0	17	8	13	0	0.01	0.02	5.740912E-22	2.927015E-22	3.506223E-18	
s206	2	0	15	4	12	0.01	0.01	0.01	8.381634E-15	2.244350E-13	2.317338E-19	
s207	2	0	11	8	12	0	0.01	0.01	1.186141E-13	9.821257E-19	4.576417E-16	
s208	2	0	36	26	26	0.01	0.02	0.02	2.230406E-13	5.371382E-21	4.623700E-20	
s209	2	0	104	122	88	0.01	0.07	0.07	1.357211E-15	4.555492E-16	3.432050E-22	
s210	2	0	366	728		0.03	0.37		8.469373E-22	1.021030E-12	(IL)	
s211	2	0	35	38	34	0	0.03	0.03	1.062833E-14	2.102828E-16	7.329705E-19	
s212	2	0	16	11	11	0	0.01	0.01	2.988607E-17	2.696624E-15	5.116594E-16	
s213	2	0	119	27	33	0.01	0.02	0.02	1.649411E-08	1.479616E-08	4.085119E-10	
s214	2	0			61			0.09	ERROR	ERROR	1.873722E-08	
s215	2	1	2	17	25	0	0.03	0.02	0.000000E+00	1.920000E-06	1.644849E-09	
s216	2	1	16	10	24	0	0.02	0.04	9.993753E-01	9.993753E-01	9.993753E-01	
s217	2	2	2	15	19	0.01	0.03	0.02	-8.000000E-01	-7.999987E-01	-8.000000E-01	
s218	2	1	2	19	11	0	0.03	0.01	0.000000E+00	2.560000E-06	2.384579E-09	
s219	4	2	69	24	30	0.02	0.03	0.04	-1.000000E+00	-1.000002E+00	-1.000000E+00	
s220	2	1	0	38	8	0	0.05	0.01	1.000000E+00	1.011040E+00	1.000000E+00	
s221	2	1	2	15		0	0.03		-9.012346E-01	-9.937358E-01	(IL)	
s222	2	1	2	19	12	0	0.03	0.02	-1.500001E+00	-1.499997E+00	-1.500000E+00	
s223	2	2	4	17	12	0.01	0.04	0.01	-8.340324E-01	-8.340319E-01	-8.340324E-01	
s224	2	2	5	11	12	0	0.03	0.01	-3.040000E+02	-3.040000E+02	-3.040000E+02	
s225	2	5	2	12	19	0.01	0.03	0.02	2.000000E+00	2.000003E+00	2.000000E+00	
s226	2	2	6	14	9	0.01	0.03	0	-5.000000E-01	-4.999997E-01	-5.000000E-01	
s227	2	2	3	12	11	0.01	0.03	0.01	1.000000E+00	1.000003E+00	1.000000E+00	
s228	2	2	3	16	10	0.01	0.03	0.01	-3.000000E+00	-3.000000E+00	-3.000000E+00	
s229	2	0	67	32	26	0.01	0.05	0.02	6.274594E-16	1.640463E-12	1.321340E-18	

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
s230	2	2	3	11	9	0	0.03	0.01	3.750000E-01	3.750026E-01	3.750000E-01	
s231	2	2	40	40	30	0.01	0.05	0.03	1.218859E-13	2.374695E-13	1.680525E-19	
s232	2	2	5	15	16	0	0.03	0.02	-1.000000E+00	-9.999974E-01	-1.000000E+00	
s233	2	1	37	17	13	0.01	0.03	0.01	2.115064E+00	4.820505E-12	1.353649E-18	
s234	2	1	0	25	18	0.01	0.04	0.01	-8.000000E-01	-7.999984E-01	-8.000000E-01	
s235	3	1	26	18	27	0	0.03	0.03	4.000000E-02	4.000000E-02	4.000000E-02	
s236	2	2	9	22	21	0	0.04	0.02	-5.890344E+01	-5.890343E+01	-5.890344E+01	
s237	2	3	16	31	352	0	0.05	1.03	-5.890344E+01	-5.890343E+01	-5.890344E+01	
s238	2	3	16	29	28	0.01	0.05	0.03	-5.890344E+01	-5.890343E+01	-5.890344E+01	t
s239	2	1	21	16	15	0.01	0.03	0.02	-5.890344E+01	-5.890343E+01	-5.890343E+01	
s240	3	0	8	4	15	0	0.01	0.01	5.993305E-15	1.388395E-28	1.140915E-15	
s241	8	5	21	19	14	0.01	0.03	0.02	3.092709E-13	1.731690E-15	1.423432E-11	
s242	3	0	31	37	25	0	0.06	0.02	2.244294E-16	1.427023E-07	1.258757E-09	
s243	3	0	17	4	7	0	0.01	0	7.965552E-01	7.965552E-01	7.965552E-01	
s244	3	0	23	17	16	0	0.04	0.01	9.114066E-15	1.708397E-07	4.228751E-08	
s245	3	0	17	14	19	0.01	0.02	0.02	2.672432E-12	4.981605E-13	1.732029E-16	
s246	3	0	27	10	15	0	0.01	0.01	7.488293E-16	1.999766E-21	1.737979E-19	
s247	4	1	3	27	58	0.01	0.05	0.09	8.100000E-15	3.418438E-14	6.544182E-18	
s248	3	2	98	17	20	0.03	0.03	0.02	-8.000000E-01	-7.999987E-01	-8.000000E-01	
s249	3	1	13	16	10	0.01	0.03	0.01	1.000001E+00	1.000003E+00	1.000000E+00	
s250	3	1	3	10	16	0	0.03	0.01	-3.300000E+03	-3.300000E+03	-3.300000E+03	
s251	3	1	7	10	11	0	0.03	0.01	-3.456000E+03	-3.456000E+03	-3.456000E+03	
s252	3	1	24	36	21	0	0.05	0.02	4.000000E-02	4.000026E-02	4.000000E-02	
s253	3	1	9	27	15	0.01	0.05	0.02	6.928203E+01	6.928203E+01	6.928203E+01	
s254	3	2	13	10	22	0.01	0.02	0.03	-1.732051E+00	-1.732051E+00	-1.732051E+00	
s255	4	0			8			0	(Unb)	(IL)	-9.610366E+01	t
s256	4	0	55	15	20	0.01	0.02	0.02	8.630130E-13	4.624515E-09	1.577809E-10	
s257	4	0	26	15	37	0	0.03	0.03	2.289272E-14	1.499839E-14	2.929216E-18	
s258	4	0	91	61	47	0.01	0.04	0.04	2.627539E-16	8.144340E-18	1.746939E-20	
s259	4	0	48	20	12	0.01	0.03	0.01	-8.544621E+00	-8.544621E+00	-8.544621E+00	
s260	4	0	92	61	47	0.01	0.04	0.04	2.628396E-16	8.144277E-18	1.746753E-20	
s261	4	0	56	12	19	0.01	0.02	0.01	1.107886E-08	3.487761E-08	1.021510E-11	
s262	4	4	4	11	13	0.01	0.03	0	-1.000000E+01	-9.999996E+00	-1.000000E+01	
s263	4	4	13	36	19	0.01	0.05	0.02	-1.000000E+00	-9.999974E-01	-1.000000E+00	
s264	4	3	12	11	11	0	0.03	0.01	-4.411341E+01	-4.411340E+01	-4.411341E+01	
s265	4	2	2	3	15	0	0.02	0.02	9.747466E-01	1.903625E+00	1.903625E+00	
s266	5	0	21	7	9	0.01	0.02	0.02	1.000000E+00	1.000000E+00	1.000000E+00	
s267	5	0	66	25	40	0.02	0.02	0.05	1.418860E-13	1.496628E-02	3.116464E-16	
s268	5	5	69	30	27	0.01	0.05	0.02	7.219114E-12	2.558712E-07	6.534378E-09	
s269	5	3	9	2	12	0	0.01	0.01	4.093023E+00	4.093023E+00	4.093023E+00	
s270	5	1	21	27	17	0.01	0.05	0.01	-1.000000E+00	2.488351E-07	2.186340E-11	
s271	6	0	16	4	11	0.01	0.01	0.01	1.171448E-14	1.001623E-14	1.443220E-20	
s272	6	0	72	266	53	0.01	0.2	0.07	5.655650E-03	2.426960E-01	7.711868E-18	
s273	6	0	43	11	17	0.01	0.01	0.02	1.490143E-14	2.987110E-17	4.885564E-20	
s274	2	0	6	3	9	0	0.01	0.01	7.907547E-32	1.444447E-34	9.903638E-15	
s275	4	0	12	3	9	0.01	0.01	0	1.395062E-11	5.976547E-12	4.311565E-14	
s276	6	0	16	3	9	0	0.01	0.01	2.923246E-11	1.982886E-12	2.457064E-14	
s277	4	4	6	18	13	0	0.04	0.01	5.076190E+00	5.076196E+00	5.076190E+00	
s278	6	6	7	18	13	0	0.04	0.01	7.838528E+00	7.838536E+00	7.838528E+00	
s279	8	8	10	22	14	0.01	0.05	0.01	1.060595E+01	1.060596E+01	1.060595E+01	

			Iterations			Solution Time			Objective Value		
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO
s280	10	10	10	24	16	0	0.06	0.01	1.337543E+01	1.337544E+01	1.337543E+01
s281	10	0			73			0.15	ERROR	(IL)	1.823596E-10
s282	10	0	154	15	65	0.03	0.02	0.06	1.151785E-14	3.984395E+00	1.140575E-18
s283	10	0	575	33	43	0.12	0.03	0.04	9.292678E-10	3.404390E-09	4.449033E-13
s284	15	10	121	30	27	0.08	0.1	0.05	-1.840000E+03	-1.840000E+03	-1.840000E+03
s285	15	10	176	15	15	0.13	0.05	0.03	-8.251492E+03	-8.251492E+03	-8.251492E+03
s286	20	0	81	27	26	0.03	0.02	0.03	1.140274E-16	5.161747E-14	4.623505E-19
s287	20	0	145	56	47	0.07	0.04	0.05	2.558207E-14	1.424306E-15	5.489356E-20
s288	20	0	61	15	20	0.04	0.02	0.02	6.244206E-10	2.679368E-08	7.889046E-10
s289	30	0	34	5	10	0.01	0.01	0.02	7.532863E-13	8.501955E-09	2.720379E-12
s290	2	0	6	2	8	0	0.01	0.01	1.032415E-25	0.000000E+00	4.063027E-15
s291	10	0	26	4	9	0.01	0.01	0.01	1.754736E-14	6.704431E-13	2.833341E-16
s292	30	0	62	5	9	0.06	0.01	0.02	8.256944E-13	1.250968E-14	2.514062E-15
s293	50	0	93	5	9	0.16	0.01	0.02	1.107854E-12	6.842804E-14	6.963467E-15
s294	6	0	56	21	24	0.01	0.02	0.03	4.285551E-17	3.973941E+00	3.973941E+00
s295	10	0	80	34	30	0.02	0.03	0.03	1.624640E-15	3.986579E+00	3.986579E+00
s296	16	0	129	42	39	0.05	0.04	0.04	9.537046E-15	3.986624E+00	3.986624E+00
s297	30	0	90	81	67	0.08	0.08	0.08	9.472685E-15	4.811779E-14	2.438812E-19
s298	50	0	112	126	98	0.22	0.14	0.17	3.697604E-14	2.120767E-13	4.290650E-20
s299	100	0	216	222	174	0.84	0.39	0.47	1.097761E-13	1.833682E-15	2.441780E-20
s300	20	0	54	3	13	0.03	0.01	0.01	-2.000000E+01	-2.000000E+01	-2.000000E+01
s301	50	0	122	6	17	0.22	0.02	0.03	-5.000000E+01	-5.000000E+01	-5.000000E+01
s302	100	0		5	19		0.02	0.05	(IL)	-1.000000E+02	-1.000000E+02
s303	20	0	78	11	16	0.03	0.02	0.02	1.604885E-16	7.122130E-30	2.667567E-18
s304	50	0	100	15	21	0.12	0.03	0.07	1.523014E-19	1.621950E-20	5.521019E-19
s305	100	0	339	19	25	1.44	0.08	0.27	8.461772E-13	3.376211E-26	5.688024E-20
s307	2	0	11		14	0		0.01	1.243622E+02	ERROR	1.243622E+02
s308	2	0	11	9	13	0	0.01	0.01	7.731991E-01	7.731991E-01	7.731991E-01
s309	2	0	10	6	13	0	0.01	0.02	-3.987171E+00	2.891492E-01	2.891492E-01
s311	2	0	10	8	15	0	0.01	0.02	7.060177E-16	1.540377E-15	1.678629E-20
s312	2	0	63		26	0		0.02	5.922563E+00	ERROR	5.922563E+00
s314	2	0	7	2	9	0	0.01	0.01	1.690427E-01	1.690427E-01	1.690427E-01
s315	2	3	5	17	16	0	0.03	0.01	-8.000000E-01	-7.999974E-01	-8.000000E-01
s316	2	1	7	6	16	0	0.02	0.02	3.343146E+02	3.343146E+02	3.343146E+02
s317	2	1	12	6	15	0.01	0.02	0.02	3.724666E+02	3.724666E+02	3.724666E+02
s318	2	1	15	6	18	0	0.02	0.03	4.127500E+02	4.127501E+02	4.127501E+02
s319	2	1	15	7	16	0	0.02	0.02	4.524044E+02	4.524044E+02	4.524044E+02
s320	2	1	18	7	17	0	0.02	0.01	4.855315E+02	4.855315E+02	4.855315E+02
s321	2	1	21	7	18	0.01	0.02	0.01	4.961124E+02	4.961124E+02	4.961124E+02
s322	2	1	28		22	0.01		0.03	4.999600E+02	(IL)	4.999600E+02
s323	2	2	10	18	10	0.01	0.04	0.01	3.798945E+00	3.798946E+00	3.798945E+00
s324	2	2	15	15	20	0.01	0.03	0.02	5.000000E+00	5.000000E+00	5.000000E+00
s325	2	3	5	11	11	0.01	0.03	0.01	3.791341E+00	3.791343E+00	3.791341E+00
s326	2	2	3	11	12	0.01	0.03	0.01	-7.980782E+01	-7.980782E+01	-7.980782E+01
s327	2	1	5	11	16	0	0.04	0.02	3.064631E-02	3.064762E-02	2.845967E-02
s328	2	0	13	9	25	0	0.03	0.02	1.744152E+00	1.744152E+00	1.744152E+00
s329	2	3	12	33	20	0.01	0.05	0.02	-6.961814E+03	-6.961812E+03	-6.961814E+03
s330	2	1	15	14	14	0.01	0.03	0.02	1.620583E+00	1.620585E+00	1.620583E+00
s331	2	1	11	9	8	0.01	0.03	0	4.258385E+00	4.258385E+00	4.258385E+00
s332	2	1							ERROR	ERROR	(IL)

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
s332a	2	100	61	23	30	0.14	0.16	0.11	2.945167E+01	2.992435E+01	2.992435E+01	
s333	3	0	5	13		0	0.02		5.608266E+00	4.327035E-02	(IL)	
s334	3	0	27	10	17	0	0.01	0.01	8.214877E-03	8.214877E-03	8.214877E-03	
s335	3	2	55	36	29	0.02	0.04	0.04	-4.472137E-03	-4.472972E-03	-4.472139E-03	
s336	3	2	65	7	22	0.02	0.02	0.03	-3.378962E-01	-3.378957E-01	-3.378957E-01	
s337	3	1	15	18	14	0	0.03	0.02	6.000000E+00	6.000001E+00	6.000000E+00	
s338	3	2	19	9	22	0.01	0.02	0.03	-7.205698E+00	-7.205698E+00	-7.205698E+00	
s339	3	1	13	12	11	0	0.03	0.01	3.361680E+00	3.361680E+00	3.361680E+00	
s340	3	1	12			0.01			-5.400000E-02	(IL)	(IL)	
s341	3	1	17	13	11	0.01	0.03	0.01	-2.262742E+01	-2.262742E+01	-2.262742E+01	
s342	3	1	33	18	22	0.01	0.04	0.01	-2.262742E+01	-2.262742E+01	-2.262742E+01	
s343	3	2	7	29	27	0	0.05	0.02	-5.684782E+00	-5.684780E+00	-5.684782E+00	
s344	3	1	12	5	10	0.01	0.02	0.01	3.256820E-02	3.256820E-02	3.256820E-02	
s345	3	1	20	10	17	0	0.02	0.02	3.256820E-02	3.256820E-02	3.256820E-02	
s346	3	2	7	29	27	0	0.05	0.02	-5.684782E+00	-5.684780E+00	-5.684782E+00	
s347	6	4	7	24	40	0	0.05	0.01	1.763794E+04	1.737462E+04	1.763794E+04	t
s348	3	1	6		303	0.01		0.75	3.697084E+01	(IL)	3.697084E+01	
s350	4	0	29	13	11	0	0.02	0.02	3.075056E-04	3.075056E-04	3.075056E-04	
s351	4	0	95	13	22	0.01	0.02	0.02	3.185717E+02	3.185717E+02	3.185717E+02	
s352	4	0	14	6	12	0	0.01	0.01	9.032343E+02	9.032343E+02	9.032343E+02	
s353	4	3	2	12	23	0	0.03	0.02	-3.993367E+01	-3.993365E+01	-3.993367E+01	
s354	4	1	30	16	16	0	0.03	0.01	1.137838E-01	1.137841E-01	1.137839E-01	
s355	4	1	88	348	20	0.01	0.36	0.03	6.967546E+01	6.967548E+01	6.967546E+01	t
s356	4	5	31	15	21	0.01	0.03	0.03	1.884454E+00	1.884549E+00	1.884454E+00	
s357	4	35	22	19	12	0.05	0.33	0.19	3.584571E-01	3.584571E-01	3.584571E-01	
s358	5	0	101	27	29	0.03	0.06	0.04	5.464895E-05	5.464985E-05	5.464895E-05	
s359	5	14	6	13	17	0	0.03	0.02	-5.504451E+06	-8.544621E+00	-5.504451E+06	
s360	5	2	20	8	30	0.01	0.02	0.04	-5.280335E+06	-5.280335E+06	-5.280335E+06	
s361	5	6	13	13	30	0.01	0.03	0.04	-1.526016E+04	-1.526008E+04	-1.526016E+04	t
s365	7	5	25	36	42	0.01	0.06	0.05	5.213990E+01	1.242388E+02	5.213990E+01	
s365mod	7	5	25	28	26	0.01	0.05	0.04	5.213990E+01	1.242388E+02	5.218908E+01	
s366	7	14	23	20	37	0.01	0.05	0.06	1.226973E+03	1.226996E+03	1.226973E+03	
s367	7	5	71	13	34	0.02	0.03	0.03	-3.397112E+01	-3.741296E+01	-3.741296E+01	
s368	8	0	0	8	19	0	0.02	0.03	0.000000E+00	0.000000E+00	-2.842171E-14	
s368cute	100	0	0	8	10	0.13	2.36	3.08	0.000000E+00	0.000000E+00	0.000000E+00	
s369	8	6	34	218	19	0.01	0.32	0.03	7.049246E+03	7.049272E+03	7.049248E+03	
s370	6	0	79	12	17	0.02	0.02	0.02	2.287670E-03	2.287671E-03	2.287670E-03	
s371	9	0	134	13	18	0.06	0.02	0.03	6.681153E-06	1.399760E-06	1.399760E-06	
s372	9	12	40	42	35	0.02	0.08	0.05	1.339009E+04	1.339009E+04	1.339009E+04	
s373	9	6	20	14	30	0.01	0.03	0.04	1.339009E+04	1.339009E+04	1.339009E+04	
s374	10	35	222		156	0.24		0.52	2.332773E-01	(IL)	2.332773E-01	t
s375	10	9	17	9	23	0.01	0.03	0.04	-1.562383E+01	-1.562382E+01	-1.516104E+01	
s376	10	15	16	32	94	0.01	0.08	0.21	-4.430088E+03	-4.430087E+03	-4.430088E+03	t
s377	10	3	7	15	140	0	0.04	0.22	-7.950014E+02	-7.950011E+02	-7.950014E+02	
s378	10	3	120	12	21	0.1	0.03	0.05	-4.773240E+01	-4.776109E+01	-4.776109E+01	
s379	11	0	103	21	28	0.08	0.07	0.13	4.013774E-02	4.013774E-02	8.759472E-02	
s380	12	3	246		241	0.2		0.46	3.168233E+00	(IL)	3.168221E+00	t
s381	13	4	14	11	15	0	0.03	0.01	1.014898E+00	1.014913E+00	1.014898E+00	
s382	13	4	29	15	17	0	0.04	0.02	1.038312E+00	1.038326E+00	1.038312E+00	
s383	14	1	64	10	33	0.01	0.03	0.03	7.285936E+05	7.285937E+05	7.285936E+05	

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
s384	15	10	157	14	15	0.1	0.05	0.03	-8.309879E+03	-8.309879E+03	-8.309879E+03	
s385	15	10	153	18	19	0.09	0.06	0.03	-8.314946E+03	-8.314946E+03	-8.314946E+03	
s386	2	0	6	2	10	0	0.01	0.01	6.309780E-24	0.000000E+00	2.770557E-20	
s387	15	11	173	18	21	0.13	0.06	0.03	-8.249843E+03	-8.249843E+03	-8.249843E+03	
s388	15	15	113	16	18	0.09	0.06	0.03	-5.821084E+03	-5.821084E+03	-5.821084E+03	
s389	15	15	110	14	19	0.1	0.06	0.03	-5.809720E+03	-5.809720E+03	-5.809720E+03	
s391	30	0							(Unb)	(IL)	(IL)	
s392	30	25	72	59	29	0.03	0.21	0.04	-1.101200E+06	-1.101200E+06	-1.101200E+06	
s393	48	3	277	51	75	1.24	0.37	0.27	8.633800E-01	8.633872E-01	8.739252E-01	
s394	20	1	125	27	19	0.22	0.04	0.03	1.916667E+00	1.916667E+00	1.916667E+00	
s395	50	1	211	31	22	3.1	0.07	0.07	1.916667E+00	1.916667E+00	1.916667E+00	
sawpath	589	782	1124	11	74	4.35	47.28	2.66	1.815730E+02	1.815899E+02	1.815730E+02	
scon1dls	1000	0			292			16.04	(IL)	(Time)	4.615502E-20	
scosine	10000	0			80			27.3	(Time)	(IL)	-9.999000E+03	
scurly10	10000	0			103			110.2	(Time)	(Time)	-1.003163E+06	
scurly20	10000	0			94			180.38	(Time)	(Time)	-1.003163E+06	
scurly30	10000	0			88			266.98	(Time)	(Time)	-1.003163E+06	
semicon1	1000	0			292			15.4	(IL)	(Time)	4.615502E-20	
semicon2	1000	0			70			3.22	(IL)	(Time)	1.490633E-16	
sensors	1000	0	1067		40	725.51		1779.02	-2.106329E+05	ERROR	-2.019862E+05	
sim2bqp	2	0	4	11	14	0	0.03	0.01	0.000000E+00	1.280151E-06	6.309541E-09	
simbqp	2	0	5	13	13	0	0.03	0.01	9.629650E-34	1.280141E-06	2.068606E-09	
simpllpa	2	2	3	20	13	0	0.04	0.01	1.000000E+00	1.000003E+00	1.000000E+00	
simpllpb	2	3	1	20	13	0	0.04	0.01	1.100000E+00	1.100003E+00	1.100000E+00	
sineali	20	0			14			0.02	(IL)	(IL)	-1.900962E+03	
sineval	2	0	122	64	47	0.01	0.04	0.04	3.527634E-19	1.498352E-16	4.986912E-18	
sinquad	10000	0		217	70		45.8	54.26	(Time)	2.219531E-06	6.165460E-12	
sinrosnb	1000	999	0		6	0.05		0.45	-9.990100E+04	ERROR	-9.990100E+04	
sipow1	2	10000	850		17	55.34		4.63	-1.000000E+00	ERROR	-1.000000E+00	
sipow1m	2	10000	851		16	55.04		4.56	-1.000000E+00	ERROR	-1.000000E+00	
sipow2	2	5000	739		16	18.78	11.1	1.59	-1.000000E+00	-9.999990E-01	-1.000000E+00	
sipow2m	2	5000	739	22	16	18.75	10.75	1.56	-1.000000E+00	-1.000000E+00	-1.000000E+00	
sipow3	4	9998	75		19	6.33		5.69	5.356496E-01	ERROR	5.356508E-01	
sipow4	4	10000	20		19	8.63		7.03	2.728266E-01	ERROR	2.728283E-01	
sisser	2	0	15	13	16	0.01	0.02	0.02	2.688361E-09	1.018813E-08	8.706233E-10	
smbank	117	64	550	45	58	1.17	0.58	0.35	-7.129292E+06	-7.129292E+06	-7.129292E+06	
smmpsf	720	263			109			1.96	ERROR	(IL)	1.046985E+06	t
snake	2	2	3		58	0.01		0.09	0.000000E+00	(IL)	-3.633797E-09	t
sosqp2	20000	10001			18			16.15	(Time)	ERROR	-4.998700E+03	
spanhyd	72	32	92		145	0.08		1.12	2.397380E+02	ERROR	2.397380E+02	
spiral	3	2	161		217	0.03		0.26	-1.596845E-10	(IL)	-2.192938E-08	t
sreadin3	10000	5000			41			128.14	(Time)	ERROR	-7.308257E-05	
srosenbr	10000	0		26	28		1.99	4.94	(Time)	8.593491E-09	1.379055E-21	
sseblin	192	72	228	214	11	0.07	1.97	0.04	1.617060E+07	1.617060E+07	1.617060E+07	
ssebnln	192	96	233		59	0.18		0.28	1.617060E+07	ERROR	1.617060E+07	
ssnlbeam	31	20	54	14	63	0.03	0.05	0.13	3.418772E+02	3.377726E+02	3.377725E+02	
stancmin	3	2	5	81	17	0	0.09	0.01	4.250000E+00	4.250004E+00	4.250000E+00	
static3	434	96							(Unb)	(IL)	(P/D I)	
steenbra	432	108	198	142	22	0.35	7.34	3.32	1.695767E+04	1.695768E+04	1.695767E+04	
steenbrb	468	108	7109		282	56.01		49.87	9.075855E+03	(IL)	9.075855E+03	t

			Iterations			Solution Time			Objective Value			
Problem	n	m	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	SNOPT	NITRO	LOQO	
steenbrc	540	126	1350			2.22			1.827472E+04	(IL)	(IL)	
steenbrd	468	108	5579		452	50.29	34.35	94.76	9.030082E+03	9.030085E+03	9.030082E+03	
steenbre	540	126	6410		220	80.18		132.04	2.745916E+04	(IL)	2.745916E+04	
steenbrf	468	108	2922			4.27	9.09		3.190946E+02	2.827578E+02	(IL)	
steenbrg	540	126	11376		223	101.11		60.87	2.839378E+04	ERROR	2.742093E+04	t
supersim	2	2	1	2	11	0	0.01	0.01	6.666667E-01	6.666667E-01	6.666667E-01	
svanberg	5000	5000			20			35.96	(Time)	ERROR	8.361423E+03	
swopf	82	91	130	22	23	0.24	0.13	0.09	6.786018E-02	6.786403E-02	6.786018E-02	
synthes1	6	6	13	20	15	0	0.04	0.01	7.592844E-01	7.592908E-01	7.592844E-01	
tame	2	1	3	2	24	0	0.01	0.04	1.000000E-16	0.000000E+00	0.000000E+00	
tfi2	3	10000	62		25	8.26		7.33	6.490285E-01	ERROR	6.490421E-01	
tointqor	50	0	92	6	8	0.15	0.02	0.01	1.175472E+03	1.175472E+03	1.175472E+03	
trainf	20000	10002			81			428.39	(Time)	ERROR	3.103384E+00	
trainh	20000	10002			92			538.31	(Time)	ERROR	1.236996E+01	t
tridia	10000	0		8	12		8.61	1.93	(Time)	5.235093E-13	9.993144E-19	
trimloss	142	72	226	55	66	0.17	0.96	0.33	9.060000E+00	9.060136E+00	9.060000E+00	
try-b	2	1	1	15	27	0	0.03	0.04	1.000003E+00	4.096086E-13	5.326753E-22	
twirism1	343	313	5323		346	33.76		32.84	-1.006834E+00	ERROR	-1.006758E+00	t
twobars	2	2	11	14	10	0	0.03	0.01	1.508652E+00	1.508654E+00	1.508652E+00	
ubh1	17997	12000			35			25.56	(Time)	ERROR	1.116001E+00	t
ubh5	19997	14000			285			801.69	(Time)	ERROR	1.116001E+00	t
vanderm1	100	99	349	33	27	5.91	2.96	3.26	1.612609E-09	8.343746E-08	5.605530E-14	
vanderm2	100	99	336	33	27	4.92	3	3.25	5.975677E-09	8.350231E-08	5.605530E-14	
vanderm3	100	99	498	41	40	7.76	3.64	4.53	5.732745E-09	1.004593E-07	2.211490E-14	
vanderm4	9	8	80	30	28	0.03	0.06	0.03	4.216892E-09	8.368316E-08	3.787218E-12	
vardim	100	0	292	26	34	0.94	0.09	0.34	2.618752E-11	2.068144E-25	1.071671E-20	
watson	31	0	276	13	18	0.36	0.05	0.07	2.591724E-07	1.135134E-08	9.158552E-13	
womflet	3	3	11	19	13	0	0.04	0.02	-4.770490E-18	3.840000E-06	6.050000E+00	
woods	10000	0		63	48		6.13	11.24	(Time)	1.324850E-14	4.473711E-22	
yao	2000	1999	2	20	202	0.13	2.46	12.12	2.731285E+02	1.869451E+02	1.977046E+02	
yfit	3	0	131	76	41	0.02	0.09	0.05	6.669721E-13	2.196974E-10	6.669721E-13	
yfitu	3	0	131	73	42	0.02	0.06	0.05	6.669721E-13	1.407123E-12	6.669721E-13	
zangwil2	2	0	4	2	9	0.01	0.01	0	-1.820000E+01	-1.820000E+01	-1.820000E+01	
zangwil3	3	0	8	4	15	0	0.01	0.01	5.993305E-15	1.388395E-28	1.140915E-15	
zecevic2	2	2	4	20	11	0.01	0.04	0.01	-4.125000E+00	-4.124999E+00	-4.125000E+00	
zecevic3	2	2	12		12	0		0.01	9.730945E+01	ERROR	9.730945E+01	
zecevic4	2	2	9	21	15	0.01	0.04	0.01	7.557508E+00	7.557509E+00	7.557508E+00	
zigzag	58	50	102	39	28	0.04	0.14	0.07	3.161735E+00	3.161749E+00	3.161735E+00	
zy2	3	1	3	12	13	0	0.03	0.01	2.000011E+00	2.000004E+00	2.000000E+00	