Case	MadNLP+ExaModels+cuSOLVER (GPU)		MadNLP+ExaModels+Ma27 (CPU)		Ipopt+AMPL+Ma27 (CPU)		Ipopt+JuMP+Ma27 (CPU)	
	objective	constr. viol.	objective	constr. viol.	objective	constr. viol.	objective	constr. viol.
89_pegase	1.07023029e+05	1.69977362e-03	1.07277300e+05	1.69995406e-03	1.07273132e+05	1.69762454e-02	1.07273132e+05	1.69762454e-02
179_goc	7.54098231e+05	3.64045772e-03	7.54215279e+05	3.64095371e-03	7.54214091e+05	1.05727439e-02	7.54214091e+05	1.05727439e-02
500_goc	4.53056588e+05	1.16442922e-03	4.54894607e+05	1.16461929e-03	4.54894301e+05	1.16449188e-03	4.54894349e+05	1.16443248e-03
793_goc	2.59660004e+05	1.12495280e-03	2.60179408e+05	1.14373500e-03	2.60177953e+05	2.52890328e-02	2.60177960e+05	2.52825510e-02
1354_pegase	1.25574315e+06	4.18838427e-03	1.25874608e+06	4.18894441e-03	1.25873160e+06	2.91106529e-02	1.25873160e+06	2.91106529e-02
2312_goc	4.40492687e+05	1.95782217e-03	4.41301927e+05	1.98487972e-03	4.41301012e+05	2.86441953e-03	4.41301012e+05	2.86441953e-03
2000_goc	9.66186544e+05	1.07957382e-03	9.73392385e+05	1.07991565e-03	9.73392524e+05	1.07970410e-03	9.73392602e+05	1.07958552e-03
3022_goc	6.00461469e+05	1.60590210e-03	6.01341340e+05	1.92264271e-03	6.01340934e+05	7.06720510e-03	6.01340934e+05	7.06720510e-03
2742_goc	2.70328757e+05	9.99725733e-04	2.75672815e+05	9.99997332e-04	2.75672759e+05	1.13868333e-03	2.75672759e+05	1.13868340e-03
2869_pegase	2.45584120e+06	4.18833905e-03	2.46259584e+06	4.18882610e-03	2.46258759e+06	3.15283321e-02	2.46258759e+06	3.15283321e-02
3970_goc	9.27998953e+05	6.41922608e-04	9.60666837e+05	6.42469892e-04	9.60667021e+05	6.42371530e-04	9.60667776e+05	6.41960999e-04
4020_goc	8.02565861e+05	1.29969745e-03	8.21952202e+05	1.29999868e-03	8.21952543e+05	1.29986624e-03	8.21952543e+05	1.29986624e-03
4917_goc	1.38537252e+06	1.54172485e-03	1.38769645e+06	1.70860688e-03	1.38769342e+06	1.62739725e-02	1.38769342e+06	1.62739725e-02
4601_goc	7.92510931e+05	9.99886244e-04	8.25898288e+05	9.99978318e-04	8.25898470e+05	9.99896654e-04	8.25898481e+05	9.99894295e-04
4837_goc	8.60071647e+05	9.92673673e-04	8.72192598e+05	9.92934504e-04	8.72192733e+05	9.92677263e-04	8.72192733e+05	9.92677263e-04
4619_goc	4.66738422e+05	8.80364611e-04	4.76659294e+05	8.80485073e-04	4.76659432e+05	8.80367536e-04	4.76659432e+05	8.80367536e-04
10000_goc	1.34739992e+06	5.36209615e-04	1.35370965e+06	5.40993748e-04	1.35371078e+06	6.56672045e-04	1.35371173e+06	6.56367359e-04
8387_pegase	2.74980910e+06	9.99884691e-03	2.77083829e+06	9.99896893e-03	2.77062704e+06	5.30460965e-02	2.77062704e+06	5.30460965e-02
9591_goc	1.02516095e+06	9.91659468e-04	1.06148769e+06	9.91997903e-04	1.06148806e+06	9.91795084e-04	1.06148807e+06	9.91788322e-04
9241_pegase	6.21773526e+06	4.18380647e-03	6.24208171e+06	4.18787958e-03	6.24207325e+06	3.76440386e-02	6.24207325e+06	3.76440386e-02
10480_goc	2.27696973e+06	1.09983709e-03	2.31442783e+06	1.09996886e-03	2.31442450e+06	1.67932256e-02	2.31442450e+06	1.67932256e-02
13659_pegase	8.92385389e+06	1.99904428e-03	8.94679835e+06	1.99980680e-03	8.94680070e+06	1.54477837e-02	8.94680070e+06	1.54477837e-02
19402_goc	1.93394723e+06	1.19983797e-03	1.97755237e+06	1.19999867e-03	1.97755235e+06	1.19986568e-03	1.97755235e+06	1.19986568e-03
24464_goc	2.58935629e+06	7.24722104e-04	2.62932336e+06	7.24944021e-04	2.62932439e+06	7.24724162e-04	2.62932439e+06	7.24724162e-04
30000_goc	1.11353160e+06	1.40161701e-03	1.14190983e+06	1.40292333e-03	1.14191122e+06	1.40225897e-03	1.14190714e+06	1.40184075e-03