Table 1: Numerical results for the constrained optimization problems JJSL SCGMrf1 SCGMrf2 SCGMrf3 HZKD SCGMrf-NG problem/n  $\mathrm{NI/NF/Time}/\|g^\star\|$  $NI/NF/Time/||g^{\star}||$  $\mathrm{NI/NF/Time}/\|g^{\star}|$  $NI/NF/Time/||g^{\star}||$  $NI/NF/Time/||g^*||$  $NI/NF/Time/||g^*||$  $NI/NF/Time/||g^*||$ cosine/4070 27/113/0.019/2.22e-07 20/85/0.015/9.07e-0726/90/0.016/4.35e-07 25/104/0.018/5.73e-08 56/146/0.023/7.09e-0734/107/0.017/1.13e-0730/105/0.016/4.69e-0739/146/0.204/3.62e-07 cosine/4300027/94/0.148/2.04e-07 19/84/0.135/7.93e-0729/99/0.160/8.62e-0730/101/0.155/3.60e-0725/97/0.138/6.55e-07 41/122/0.175/1.76e-0715/85/1.486/3.74e-0716/87/1.495/8.36e-0718/90/1.586/6.28e-0717/89/1.479/8.14e-07 27/96/2.123/9.13e-0718/87/1.956/5.26e-07dixmaana/96000 24/102/2.398/6.99e-07dixmaana/120000 19/89/2.475/5.64e-07 22/94/2.248/7.96e-07 22/92/2.114/8.62e-07 22/95/2.180/8.61e-0829/101/2.253/3.63e-07 17/88/1.983/2.60e-07 20/95/2.137/1.01e-07dixmaanb/4350020/89/0.789/4.80e-07 17/81/0.670/3.97e-0815/73/0.618/3.99e-0721/91/0.776/1.25e-07 24/92/0.793/3.47e-0714/82/0.685/9.27e-0714/83/0.707/8.17e-07dixmaanb/53700 20/84/0.873/2.02e-0720/88/0.931/9.01e-07 23/91/0.924/3.72e-0723/93/0.965/8.81e-0820/98/1.061/5.95e-0719/87/0.908/3.28e-07 18/93/0.949/1.23e-07 dixmaanb/24900 18/90/0.456/1.49e-0720/88/0.460/7.86e-07 16/80/0.387/1.84e-0718/90/0.440/7.86e-0921/89/0.437/6.04e-0721/108/0.548/7.76e-0717/92/0.461/5.57e-0718/93/0.642/9.86e-07 dixmaanc/30300 16/81/0.480/3.45e-0719/89/0.539/6.28e-0720/101/0.587/2.95e-0722/92/0.545/5.31e-0719/90/0.539/3.69e-0719/98/0.641/8.65e-07dixmaanc/15000017/91/2.786/4.53e-0717/89/2.693/9.37e-07 16/89/2.781/8.48e-0717/91/2.809/4.36e-07 23/97/3.121/3.64e-0720/92/2.854/3.13e-0818/97/2.921/2.16e-07 23/104/6.280/1.07e-07 dixmaanc/300000 22/95/6.043/9.92e-07 21/94/5.803/3.97e-07 16/90/5.455/6.69e-0722/95/5.819/8.99e-07 23/97/5.955/5.93e-0722/104/6.281/7.37e-07 dixmaand/300 14/71/0.007/5.25e-07 15/73/0.007/8.34e-0713/73/0.010/9.85e-07 21/93/0.027/8.34e-08 21/93/0.010/1.98e-07 20/81/0.008/1.98e-0719/79/0.009/8.51e-07 dixmaand/7200 20/87/0.159/4.23e-0716/79/0.131/9.95e-07 18/85/0.133/1.87e-0720/87/0.146/3.82e-0725/93/0.143/4.35e-07 18/87/0.159/3.26e-0716/84/0.145/1.32e-0717/85/0.283/1.62e-0818/87/0.267/8.72e-07 19/87/0.255/3.62e-07dixmaand/13650 17/85/0.247/1.04e-08 19/82/0.237/9.60e-07 18/86/0.265/1.51e-07 24/94/0.303/3.77e-07 dixmaane/90 92/172/0.007/2.53e-07 92/198/0.008/9.08e-07 89/182/0.006/8.41e-07 84/183/0.008/5.15e-07 108/238/0.010/6.98e-07101/224/0.010/8.50e-07152/261/0.011/5.46e-07496/1054/0.537/3.38e-07 425/863/0.412/7.56e-07386/863/0.398/4.04e-07499/1074/0.502/8.09e-07NaN/NaN/NaN/NaN dixmaane/2100 501/1108/0.600/7.84e-07 325/625/0.318/6.84e-07 23/71/0.002/9.63e-07 21/72/0.002/7.39e-07dixmaanf/6 22/70/0.017/4.69e-0734/87/0.002/2.85e-0735/86/0.002/3.19e-0728/78/0.003/9.08e-07 22/69/0.002/8.26e-07 dixmaanf/15 40/95/0.004/6.01e-0740/92/0.004/6.58e-07 34/84/0.002/9.79e-0743/96/0.003/9.11e-07 54/111/0.003/9.21e-07 37/91/0.004/8.28e-07 48/95/0.005/8.64e-0765/151/0.007/6.59e-0794/202/0.008/9.54e-07 110/247/0.010/4.57e-07dixmaanf/60 73/158/0.005/4.02e-07 70/152/0.006/5.72e-07 58/120/0.004/6.03e-07125/209/0.008/7.64e-07 100/209/0.027/9.36e-07 102/215/0.013/9.68e-0798/223/0.014/7.94e-07 134/280/0.017/9.74e-07dixmaang/150 95/216/0.014/8.80e-07 99/197/0.012/5.13e-07 232/355/0.022/8.62e-07 32/85/0.017/7.61e-0735/88/0.002/9.59e-0732/85/0.002/6.42e-0729/81/0.002/8.96e-0740/106/0.002/5.26e-07dixmaanh/9 33/84/0.002/9.98e-0747/99/0.002/2.98e-07 dixmaanh/90 85/171/0.008/9.74e-07 80/168/0.007/9.16e-07 74/158/0.007/9.45e-07 82/181/0.009/9.62e-07 104/230/0.010/8.28e-0772/149/0.007/6.54e-07179/281/0.012/8.41e-07 dixmaanh/150 100/223/0.014/9.11e-07 91/202/0.012/8.04e-07 93/210/0.013/8.33e-07 120/264/0.017/9.80e-07 137/300/0.017/9.62e-0790/190/0.011/9.04e-07 317/476/0.035/9.61e-07 dixmaani/9 72/165/0.018/8.53e-07 83/174/0.007/4.48e-07 64/143/0.006/7.27e-07 86/200/0.004/8.62e-07 102/223/0.004/7.04e-0778/166/0.003/8.10e-07266/402/0.007/8.96e-07 dixmaanj/45 222/492/0.031/9.13e-07 575/1181/0.036/8.02e-07 295/659/0.022/8.84e-07355/791/0.025/9.07e-07 321/700/0.021/7.06e-07317/607/0.019/6.11e-07 NaN/NaN/NaN/NaN dixmaank/3000 NaN/NaN/NaN/NaN NaN/NaN/NaN/NaN 294/637/0.412/8.52e-07661/1482/0.990/9.06e-07 881/1896/1.229/9.86e-07 1574/3087/2.033/7.75e-07 NaN/NaN/NaN/NaN 754/1664/2.117/9.14e-07 dixmaank/6000 466/986/1.382/8.94e-07 490/994/1.318/9.16e-07 393/868/1.167/9.25e-07411/893/1.108/9.87e-07 140/290/0.373/7.21e-07 779/1090/1.449/6.45e-07 dixmaank/12000 331/688/2.138/7.46e-07 480/958/2.522/7.57e-07 372/826/2.122/5.20e-07517/1141/2.920/9.27e-07 1182/2501/6.654/8.76e-07616/1221/3.634/3.79e-07 1332/1789/5.081/8.65e-07 dixmaanl/21000 969/2055/10.820/8.61e-07 1207/2496/10.975/8.81e-07 918/2116/9.173/6.14e-07 792/1749/7.780/8.13e-07 1059/2263/9.829/9.18e-07NaN/NaN/NaN/NaN NaN/NaN/NaN/NaN dixmaanl/24000 520/1093/5.622/9.65e-07 507/1016/5.013/5.80e-07 560/1148/5.587/9.94e-07 520/1105/5.582/6.76e-07 961/2058/10.492/8.43e-07 608/1185/7.282/7.21e-07 1425/2011/17.007/8.89e-07dixmaanl/90000 751/1574/27.463/8.53e-07 427/873/15.266/4.54e-07 247/531/9.630/8.44e-07 603/1301/22.982/5.48e-07 1108/2339/41.998/8.58e-07 NaN/NaN/NaN/NaN 235/388/6.642/9.56e-07 dixon3dq/433/89/0.006/8.52e-0746/97/0.001/4.30e-0733/76/0.001/9.60e-07 50/106/0.001/9.68e-07 58/117/0.001/4.99e-07 40/87/0.001/6.53e-0757/104/0.002/9.24e-07 dixon3dq/8 70/146/0.005/3.19e-0789/193/0.006/8.45e-07 84/192/0.004/8.68e-07 123/258/0.003/6.86e-07 99/218/0.002/9.38e-07 64/133/0.001/7.94e-07253/395/0.010/8.29e-07 dqdrtic/1000000 67/235/2.024/9.27e-07 72/226/1.920/9.35e-07 117/332/2.778/9.59e-07119/346/2.754/9.52e-07 128/356/2.895/9.30e-07 95/298/2.371/3.28e-07 873/1249/10.808/9.69e-07 dqdrtic/2200000 85/280/4.954/7.45e-07 101/310/5.489/6.51e-07 91/280/4.971/9.24e-07 117/345/6.013/6.12e-07 110/314/5.565/3.70e-0786/285/5.095/8.20e-07 732/1068/21.017/7.92e-07 dqdrtic/4700000 71/246/9.172/9.03e-08 80/252/9.766/4.99e-07 101/289/11.373/9.85e-07 79/267/9.957/7.99e-07 94/285/10.888/9.54e-07 81/271/10.558/6.17e-07 588/912/38.794/6.42e-07 dqrtic/64 14/77/0.002/4.24e-0717/76/0.002/1.55e-0716/76/0.002/1.43e-0718/80/0.002/5.60e-07 21/85/0.002/9.07e-0720/79/0.002/7.73e-0718/80/0.002/8.93e-07dqrtic/6800 37/151/0.245/6.40e-07 36/150/0.237/2.60e-07 44/151/0.236/4.04e-07 49/159/0.249/2.66e-07 69/213/0.331/7.09e-07 53/168/0.265/1.01e-07 46/167/0.266/4.17e-07 dqrtic/8000 41/163/0.305/2.84e-0737/156/0.286/1.97e-0739/152/0.272/2.25e-07 46/166/0.304/1.34e-0773/216/0.412/7.53e-0758/175/0.313/7.32e-07 58/201/0.380/1.38e-07edensch/50035/119/0.020/8.06e-0730/90/0.010/4.40e-0730/96/0.010/6.18e-0739/148/0.017/9.38e-07 48/139/0.017/5.68e-07 49/292/0.033/8.93e-07 38/102/0.010/7.95e-0743/212/0.671/4.37e-07 edensch/1500046/260/0.868/9.68e-0752/267/0.891/2.03e-07 75/445/1.026/2.28e-07 105/827/2.649/8.21e-0745/226/0.709/5.03e-0756/188/0.293/3.63e-07edensch/3502050/235/0.879/2.78e-0769/402/3.153/3.98e-07 56/295/2.243/8.59e-0784/611/4.580/4.36e-07 103/692/5.194/3.24e-07139/1156/5.080/8.50e-0781/476/1.056/3.92e-07eg2/744/104/0.006/7.39e-0733/94/0.001/4.10e-07 36/94/0.001/5.07e-0745/102/0.001/8.02e-07 110/273/0.003/8.24e-0748/115/0.001/9.89e-07 150/231/0.002/7.91e-07fletchcr/5000 90/451/0.064/5.70e-07 89/540/0.030/9.98e-07 117/842/0.045/6.16e-07150/1154/0.055/8.77e-0782/489/0.021/7.84e-07 107/760/0.035/8.94e-07188/308/0.015/2.82e-07139/1226/1.002/5.69e-07268/1779/1.433/1.66e-07 fletchcr/10000090/358/0.283/5.63e-07103/210/0.207/7.25e-07231/1977/1.613/4.00e-07 158/1323/1.077/4.63e-07 150/289/0.256/2.19e-08fletchcr/210000199/1699/3.240/6.08e-07 274/2624/4.942/7.09e-07 253/2249/4.499/1.12e-07 86/342/0.732/7.46e-07 169/1327/2.579/1.64e-07237/1453/2.864/5.08e-07 170/378/0.777/9.44e-07 89/448/0.005/2.00e-07 freuroth/2 113/381/0.008/8.33e-07 100/335/0.003/7.09e-07187/505/0.006/5.01e-07 230/884/0.010/9.23e-07 106/411/0.004/9.86e-07 NaN/NaN/NaN/NaN 114/312/0.003/9.02e-07149/388/0.008/6.30e-07 genrose/4 291/675/0.006/7.33e-07246/574/0.006/5.09e-07 329/765/0.008/9.74e-07169/396/0.004/8.16e-07NaN/NaN/NaN/NaN 58/201/0.382/1.38e-07 quartc/8000 41/163/0.285/2.84e-07 37/156/0.282/1.97e-07 39/152/0.277/2.25e-0746/166/0.300/1.34e-07 73/216/0.392/7.53e-07 58/175/0.311/7.32e-07quartc/15300 49/171/0.602/2.60e-07 51/184/0.652/2.18e-07 46/169/0.584/3.70e-07 60/196/0.677/8.83e-0771/236/0.797/5.79e-07 65/205/0.734/7.70e-07 55/192/0.664/7.14e-07 63/213/1.970/6.07e-07 quartc/40000 50/192/1.757/5.66e-07 55/183/1.728/4.65e-07 38/158/1.497/3.25e-07 84/269/2.448/2.00e-07 81/248/2.244/9.90e-07 44/169/1.649/9.18e-07 79/166/0.006/5.80e-07 70/157/0.001/6.75e-07 79/166/0.001/8.15e-07 tridia/7 70/152/0.002/7.87e-07105/211/0.002/6.81e-07110/230/0.002/6.38e-07172/290/0.002/8.17e-07271/690/0.015/7.74e-07 woods/2500479/1221/0.024/6.52e-07 NaN/NaN/NaN/NaN 401/987/0.021/6.08e-07 434/1073/0.024/6.23e-07 555/1304/0.026/7.84e-07183/448/0.009/4.73e-07 311/741/0.142/9.19e-07 woods/25000496/1149/0.235/8.46e-07 402/999/0.230/6.89e-07321/793/0.172/7.46e-07 438/1090/0.241/1.39e-07 438/1102/0.219/9.17e-07 NaN/NaN/NaN/NaN woods/250000274/699/1.536/7.76e-07 455/1167/2.509/9.55e-07 298/736/1.594/9.11e-07 476/1168/2.533/9.36e-07 667/1611/3.455/9.17e-07 386/920/1.886/3.83e-07 NaN/NaN/NaN/NaN 2/17/0.012/2.68e-61 bdexp/100002/17/0.010/2.68e-612/17/0.010/2.68e-612/17/0.015/2.68e-612/17/0.011/1.25e-632/17/0.010/7.79e-632/17/0.011/4.62e-61bdexp/1000002/12/0.090/4.58e-106 2/12/0.085/4.45e-1062/12/0.087/4.59e-106 2/12/0.097/4.58e-106 2/12/0.089/4.58e-106 2/12/0.087/4.58e-1062/12/0.087/4.50e-106bdexp/5000002/12/0.489/1.55e-120 2/12/0.466/1.55e-1202/12/0.458/1.55e-1202/12/0.494/1.55e-1202/12/0.465/1.54e-1202/12/0.469/1.55e-1202/12/0.495/1.55e-12028/99/0.047/8.17e-07 27/106/0.032/2.94e-07 30/107/0.030/8.57e-0721/102/0.029/1.52e-07 exdenschnf/22000 23/97/0.028/7.27e-0733/112/0.022/2.48e-0725/105/0.034/5.82e-0729/114/1.162/7.41e-07 exdenschnf/1019000 30/116/1.178/9.50e-0734/121/1.168/8.24e-07 28/126/1.199/5.64e-0736/123/1.220/7.93e-07 28/135/1.330/5.05e-07 29/126/1.184/4.34e-08 exdenschnf/2250000 26/112/2.587/7.26e-07 41/125/2.931/7.95e-07 27/115/2.660/7.45e-07 27/115/2.455/6.39e-0737/122/2.707/3.47e-0727/123/2.620/3.49e-07 33/118/2.665/6.95e-07exdenschnb/10000 15/80/0.005/8.30e-07 16/80/0.007/1.94e-0719/91/0.009/2.74e-07 20/86/0.008/2.68e-07 15/80/0.020/8.30e-0715/80/0.005/8.30e-0727/90/0.009/4.86e-07exdenschnb/300000 28/101/0.250/5.84e-07 22/88/0.204/7.82e-0724/97/0.214/7.90e-07 23/94/0.225/8.16e-07 23/97/0.218/1.39e-0726/97/0.206/2.45e-0820/92/0.180/6.25e-07exdenschnb/500000 20/93/0.330/8.62e-07 22/94/0.344/3.98e-07 22/104/0.353/5.96e-08 20/90/0.310/9.43e-0721/95/0.328/4.15e-08 25/98/0.357/5.99e-07 18/88/0.291/9.79e-07 28/105/0.008/7.21e-0727/101/0.005/1.09e-07 33/107/0.004/4.62e-07 27/103/0.006/3.12e-0734/108/0.005/8.46e-07genquartic/4000 25/94/0.014/9.17e-07 23/95/0.005/1.61e-07 19/93/0.026/9.46e-07 20/90/0.025/6.46e-08 19/88/0.026/1.83e-07 24/92/0.032/4.33e-07 20/95/0.033/2.40e-07 24/87/0.030/7.24e-07 20/99/0.033/9.77e-07 genquartic/38000 genquartic/400000 18/89/0.333/3.22e-07 22/92/0.319/1.72e-07 21/94/0.326/8.68e-07 19/93/0.307/6.24e-07 20/92/0.318/1.83e-07 30/101/0.363/5.84e-0718/90/0.302/8.09e-0721/65/0.005/5.92e-0735/74/0.001/4.52e-07biggsb1/3 20/57/0.001/3.76e-07 22/64/0.001/8.53e-07 25/66/0.001/4.59e-07 28/70/0.001/8.52e-07 35/78/0.001/7.84e-07NaN/NaN/NaN/NaN sine/2020/71/0.001/2.37e-0719/68/0.001/9.57e-07 23/76/0.001/8.83e-07 18/64/0.001/1.98e-08 23/76/0.001/5.97e-0719/79/0.001/4.01e-07 37/110/0.002/9.44e-07 36/103/0.002/2.07e-07 sine/10028/92/0.001/9.82e-07 30/94/0.002/6.35e-0728/89/0.001/8.20e-07 24/81/0.001/3.80e-07 22/81/0.001/9.47e-07 sine/49049/113/0.007/6.03e-07 65/155/0.006/3.87e-07 70/175/0.006/4.78e-07 52/141/0.005/2.30e-07 90/208/0.008/8.24e-07 691/2007/0.062/8.54e-07 59/133/0.004/3.43e-07 4/17/0.000/5.28e-07 3/14/0.000/9.13e-074/17/0.000/8.69e-07 4/17/0.001/5.28e-075/19/0.000/8.15e-07 5/19/0.000/7.26e-07 4/17/0.000/8.78e-07 fletcbv3/5 123/249/0.009/4.97e-07 145/282/0.004/5.65e-07135/255/0.003/7.29e-07 138/272/0.003/6.80e-07171/356/0.004/3.95e-07 126/294/0.004/9.21e-07 215/327/0.006/3.20e-07 fletcbv3/20 51/123/0.004/7.53e-07 49/117/0.005/9.09e-07 48/119/0.004/4.67e-07 49/129/0.006/9.80e-07 NaN/NaN/NaN/NaN NaN/NaN/NaN/NaN 77/151/0.002/6.94e-07 nonscomp/45051/138/0.005/9.46e-07 46/130/0.002/8.85e-07 55/141/0.003/8.58e-07 56/148/0.003/3.12e-07 71/170/0.003/7.12e-07 56/146/0.002/2.38e-0769/153/0.003/5.09e-07nonscomp/1000nonscomp/505053/132/0.026/8.85e-07 58/138/0.017/9.59e-07 48/126/0.007/7.59e-07 61/140/0.008/9.54e-0756/144/0.009/8.10e-07 59/147/0.012/5.91e-07 67/143/0.016/8.91e-07 33/85/0.005/6.77e-0732/81/0.001/8.43e-0731/80/0.001/5.62e-0735/87/0.001/3.31e-0745/96/0.001/9.94e-07 35/85/0.001/9.49e-07 38/87/0.001/9.49e-07power1/3 raydan1/30 60/135/0.001/9.21e-0754/120/0.001/3.78e-07 44/105/0.001/9.58e-07 56/121/0.002/2.41e-07 68/139/0.002/5.92e-07 60/123/0.001/7.77e-0793/150/0.002/5.09e-07 raydan1/60 69/148/0.003/6.28e-07 80/162/0.003/2.95e-0776/165/0.003/7.15e-07 79/176/0.003/7.35e-07 86/182/0.002/5.79e-07 68/151/0.003/7.90e-07 228/353/0.004/8.28e-07 raydan1/120 100/212/0.008/7.96e-07 111/213/0.003/7.53e-07100/217/0.003/7.23e-07134/275/0.005/8.33e-07 149/315/0.006/9.75e-07 100/207/0.003/5.06e-07 274/418/0.006/8.85e-07 raydan2/5000 12/81/0.019/3.54e-07 12/81/0.019/3.54e-0712/81/0.019/3.54e-07 19/111/0.029/9.75e-07 12/81/0.020/9.71e-07 12/81/0.019/9.71e-07 12/81/0.020/9.72e-07raydan2/20000 19/96/0.094/7.69e-08 19/96/0.097/7.69e-0819/96/0.098/7.69e-08 24/110/0.107/1.31e-08 23/109/0.105/5.24e-0719/129/0.128/6.30e-0712/82/0.080/7.13e-0725/133/1.350/9.87e-07 19/105/1.064/8.20e-08 70/505/4.999/9.27e-07 25/133/1.297/7.41e-07 raydan2/200000 64/367/3.651/1.69e-07 48/244/2.424/2.00e-07 72/416/4.115/5.53e-07 85/257/0.003/6.28e-07 75/182/0.002/9.23e-07103/418/0.006/7.90e-0795/239/0.003/6.20e-07 74/162/0.002/4.97e-07 158/293/0.003/7.50e-07 diagonal 1/50 88/198/0.002/7.42e-07 124/448/0.007/5.63e-07 112/359/0.005/6.33e-07114/399/0.005/7.28e-07 129/406/0.006/6.25e-07 245/492/0.007/7.21e-07 diagonal1/100 188/876/0.014/9.76e-07 124/483/0.007/7.38e-07 393/2496/0.086/8.67e-07 343/2160/0.072/9.83e-07 460/3348/0.111/9.85e-07 NaN/NaN/NaN/NaN diagonal1/400 463/3353/0.110/9.15e-07 632/5477/0.179/8.98e-07 1166/6258/0.208/9.18e-07 diagonal2/30 47/103/0.004/9.52e-07 47/105/0.002/9.38e-07 41/98/0.001/6.57e-07 45/109/0.003/8.45e-07 58/139/0.002/8.85e-07 52/118/0.001/8.53e-07 78/141/0.001/7.06e-07 223/1069/0.017/9.31e-07 diagonal3/200 195/615/0.010/9.70e-07 259/1137/0.018/9.92e-07 204/886/0.016/8.73e-07 254/1120/0.018/9.95e-07 177/736/0.012/8.69e-07 719/1166/0.020/7.19e-07 318/1318/0.029/8.25e-07 299/1251/0.030/9.55e-07 465/2692/0.063/8.98e-07 479/3007/0.070/6.19e-07 diagonal3/400 368/1874/0.043/6.75e-07 349/2140/0.051/8.31e-07 888/2642/0.061/9.67e-07 NaN/NaN/NaN/NaN 855/5753/0.462/9.94e-07 1183/9279/0.759/9.40e-07 NaN/NaN/NaN/NaN diagonal3/2000 1651/14004/1.189/9.68e-07 NaN/NaN/NaN/NaN NaN/NaN/NaN/NaN bv/500149/325/0.164/7.85e-07 139/277/0.135/9.96e-07 146/335/0.161/9.23e-07 178/396/0.187/8.89e-07 172/384/0.181/8.44e-07 175/361/0.171/9.47e-07 550/734/0.339/9.74e-07 ie/8015/57/0.103/6.99e-0715/45/0.061/5.90e-0713/53/0.071/6.03e-07 15/57/0.080/6.99e-0720/61/0.093/4.23e-0714/54/0.076/6.77e-07 14/56/0.079/8.14e-071822/4074/0.127/6.57e-07 1383/3193/0.076/9.51e-07 965/2316/0.056/9.16e-07 206/469/0.014/8.44e-07 783/1717/0.042/7.24e-07 288/720/0.015/9.57e-07 NaN/NaN/NaN/NaN singx/100lin/3017/79/0.021/7.00e-07 17/79/0.010/7.05e-0717/79/0.005/7.03e-07 17/79/0.006/6.96e-07 17/79/0.006/6.99e-07 17/79/0.005/7.36e-07 17/79/0.005/6.95e-07lin/30015/70/0.108/4.76e-1015/70/0.093/4.79e-1016/71/0.081/1.43e-0915/70/0.088/4.76e-1015/70/0.083/1.58e-1017/72/0.084/4.45e-09 15/70/0.080/4.94e-101682/3512/0.171/9.51e-07 1613/3321/0.080/9.18e-07 842/1868/0.042/7.48e-07 1129/2474/0.055/9.69e-07 1247/2639/0.059/8.37e-07 709/1371/0.031/7.94e-07 NaN/NaN/NaN/NaN osb2/11pen1/200154/805/0.079/8.05e-07 170/907/0.071/8.39e-07 326/1078/0.068/9.60e-08 124/517/0.032/9.72e-07 NaN/NaN/NaN/NaN 85/452/0.036/2.33e-07 NaN/NaN/NaN/NaN 124/497/5.681/1.06e-07 130/481/5.388/7.85e-07 85/397/4.150/6.11e-07 122/514/5.386/9.40e-07 72/374/4.064/6.24e-07 177/1075/11.153/4.66e-07 NaN/NaN/NaN/NaN pen1/2000463/1488/0.053/7.30e-07 647/2159/0.051/7.20e-07 760/2104/0.044/9.23e-07 679/1800/0.031/9.93e-07 467/1470/0.027/8.61e-07 694/2282/0.037/9.30e-07 NaN/NaN/NaN/NaN pen2/30457/1481/0.047/9.73e-07 655/1932/0.067/8.58e-07 944/2443/0.069/9.12e-07 787/2165/0.058/4.24e-07 750/2262/0.059/9.89e-07 613/2067/0.051/8.91e-07 NaN/NaN/NaN/NaN pen2/70

48/113/0.275/4.97e-07

58/123/0.267/7.43e-07

43/102/0.225/7.50e-07

71/132/0.292/8.17e-07

39/103/0.233/2.73e-07

trid/1000

45/105/0.265/6.71e-07

44/107/0.236/9.40e-07