Tableau de statistiques complet sur texte court

Le tableau qui suit contient l'intégralité des jeux de tests effectués sur un texte de 300 caractères. Il nous a permis de déterminer les paramètres optimaux à appliquer à la fonction de hill climbing, et en particulier *NBITERGLOB* et *NBITERSTATIC*

Table 1 – BIGRAMS COMPLET

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
1000	*500*	*14.5/26*	*39466.083*	*1.034*
1000	*750*	*15.2/26*	*39513.876*	*1.033*
1500	*500*	*20.25/26*	*39879.631*	*1.540*
1500	*750*	*18.55/26*	*39768.832*	*1.540*
1500	*1000*	*20.65/26*	*39891.101*	*1.545*
1500	*1250*	*15.1/26*	*39538.137*	*1.546*
2000	*500*	*20.8/26*	*39871.963*	*1.907*
2000	*750*	*22.25/26*	*39988.600*	*2.037*
2000	*1000*	*20.65/26*	*39912.041*	*2.049*
2000	*1250*	*21.8/26*	*39970.729*	*2.058*
2000	*1500*	*21.25/26*	*39944.511*	*2.058*
2000	*1750*	*17.55/26*	*39651.339*	*2.057*
2500	*500*	*19.2/26*	*39779.789*	*1.969*
2500	*750*	*21.05/26*	*39909.165*	*2.274*
2500	*1000*	*22.2/26*	*39992.033*	*2.417*
2500	*1250*	*22.9/26*	*40036.755*	*2.512*
2500	*1500*	*20.05/26*	*39813.579*	*2.568*
2500	*1750*	*23.5/26*	*40111.530*	*2.566*
2500	*2000*	*22.0/26*	*39984.778*	*2.568*
2500	*2250*	*22.25/26*	*39973.375*	*2.571*
3000	*500*	*19.8/26*	*39808.704*	*2.132*
3000	*750*	*18.5/26*	*39754.280*	*2.287*
3000	*1000*	*23.3/26*	*40016.174*	*2.639*
3000	*1250*	*22.05/26*	*39980.500*	*2.811*
3000	*1500*	*21.35/26*	*39929.611*	*2.972*
3000	*1750*	*22.15/26*	*39956.727*	*3.027*
3000	*2000*	*21.25/26*	*39962.152*	*3.084*
3000	*2250*	*22.05/26*	*39985.602*	*3.082*
3000	*2500*	*22.2/26*	*39999.609*	*3.082*
3000	*2750*	*20.7/26*	*39891.163*	*3.084*
3500	*500*	*20.85/26*	*39891.023*	*2.188*
3500	*750*	*22.65/26*	*39979.500*	*2.364*
3500	*1000*	*22.6/26*	*39993.850*	*2.608*
3500	*1250*	*19.95/26*	*39823.138*	*2.857*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
3500	*1500*	*19.65/26*	*39784.268*	*3.408*
3500	*1750*	*22.5/26*	*39996.806*	*3.392*
3500	*2000*	*21.25/26*	*39909.249*	*3.479*
3500	*2250*	*21.85/26*	*39952.123*	*3.573*
3500	*2500*	*21.5/26*	*39909.419*	*3.557*
3500	*2750*	*21.0/26*	*39907.295*	*3.590*
3500	*3000*	*23.1/26*	*40043.142*	*3.593*
3500	*3250*	*20.55/26*	*39874.980*	*3.590*
4000	*500*	*19.9/26*	*39844.504*	*2.135*
4000	*750*	*21.0/26*	*39891.979*	*2.379*
4000	*1000*	*20.75/26*	*39886.341*	*2.616*
4000	*1250*	*21.15/26*	*39905.611*	*2.910*
4000	*1500*	*17.55/26*	*39685.693*	*3.276*
4000	*1750*	*23.05/26*	*40029.701*	*3.460*
4000	*2000*	*19.45/26*	*39791.056*	*3.696*
4000	*2250*	*22.3/26*	*39972.386*	*3.903*
4000	*2500*	*21.4/26*	*39919.405*	*3.954*
4000	*2750*	*22.7/26*	*40008.763*	*4.056*
4000	*3000*	*22.6/26*	*39999.047*	*4.083*
4000	*3250*	*24.15/26*	*40112.429*	*4.099*
4000	*3500*	*21.35/26*	*39908.105*	*4.100*
4000	*3750*	*21.35/26*	*39941.409*	*4.101*
4500	*500*	*21.4/26*	*39894.210*	*2.104*
4500	*750*	*21.3/26*	*39910.458*	*2.396*
4500	*1000*	*20.05/26*	*39821.286*	*2.743*
4500	*1250*	*21.25/26*	*39917.241*	*2.982*
4500	*1500*	*20.45/26*	*39835.195*	*3.516*
4500	*1750*	*21.9/26*	*39899.180*	*3.524*
4500	*2000*	*21.05/26*	*39925.026*	*4.020*
4500	*2250*	*21.9/26*	*39983.955*	*4.019*
4500	*2500*	*20.9/26*	*39897.894*	*4.177*
4500	*2750*	*23.05/26*	*40043.188*	*4.283*
4500	*3000*	*24.55/26*	*40118.422*	*4.504*
4500	*3250*	*22.4/26*	*40041.970*	*4.596*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
4500	*3500*	*24.05/26*	*40048.389*	*4.588*
4500	*3750*	*20.7/26*	*39837.256*	*4.614*
4500	*4000*	*22.2/26*	*39947.538*	*4.609*
5000	*500*	*21.9/26*	*39995.403*	*2.035*
5000	*750*	*20.85/26*	*39866.295*	*2.480*
5000	*1000*	*18.8/26*	*39731.082*	*2.947*
5000	*1250*	*21.2/26*	*39906.659*	*3.477*
5000	*1500*	*20.45/26*	*39840.898*	*3.510*
5000	*1750*	*22.0/26*	*39968.217*	*3.704*
5000	*2000*	*21.15/26*	*39893.252*	*3.608*
5000	*2250*	*21.0/26*	*39870.611*	*4.280*
5000	*2500*	*21.6/26*	*39944.396*	*4.468*
5000	*2750*	*21.75/26*	*39967.254*	*4.536*
5000	*3000*	*21.35/26*	*39900.661*	*4.692*
5000	*3250*	*20.05/26*	*39751.615*	*4.903*
5000	*3500*	*21.8/26*	*39983.992*	*4.971*
5000	*3750*	*22.8/26*	*39975.115*	*5.058*
5000	*4000*	*22.9/26*	*39985.767*	*5.123*
5500	*500*	*19.7/26*	*39837.316*	*2.083*
5500	*750*	*24.2/26*	*40118.422*	*2.482*
5500	*1000*	*20.4/26*	*39852.228*	*2.649*
5500	*1250*	*21.1/26*	*39900.156*	*2.916*
5500	*1500*	*20.25/26*	*39820.119*	*3.612*
5500	*1750*	*23.75/26*	*40116.268*	*3.528*
5500	*2000*	*24.45/26*	*40120.036*	*3.921*
5500	*2250*	*21.1/26*	*39918.000*	*4.102*
5500	*2500*	*22.65/26*	*39993.034*	*4.698*
5500	*2750*	*23.15/26*	*40041.241*	*4.727*
5500	*3000*	*22.7/26*	*39972.830*	*5.027*
5500	*3250*	*23.15/26*	*40044.702*	*5.093*
5500	*3500*	*22.05/26*	*39972.692*	*5.132*
5500	*3750*	*23.05/26*	*40044.749*	*5.317*
5500	*4000*	*23.0/26*	*40042.042*	*5.516*
6000	*500*	*21.45/26*	*39896.991*	*2.338*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
6000	*750*	*21.0/26*	*39864.156*	*2.370*
6000	*1000*	*21.1/26*	*39893.494*	*3.091*
6000	*1250*	*21.25/26*	*39917.973*	*3.255*
6000	*1500*	*19.6/26*	*39799.276*	*3.301*
6000	*1750*	*18.4/26*	*39705.839*	*3.439*
6000	*2000*	*23.2/26*	*40042.386*	*3.922*
6000	*2250*	*23.15/26*	*40042.456*	*4.156*
6000	*2500*	*19.85/26*	*39827.362*	*4.557*
6000	*2750*	*20.2/26*	*39832.776*	*4.799*
6000	*3000*	*21.8/26*	*39970.562*	*4.978*
6000	*3250*	*17.55/26*	*39666.173*	*5.149*
6000	*3500*	*22.3/26*	*39968.496*	*5.415*
6000	*3750*	*22.8/26*	*40043.822*	*5.487*
6000	*4000*	*23.8/26*	*40080.056*	*5.786*
6500	*500*	*20.75/26*	*39873.752*	*2.094*
6500	*750*	*22.65/26*	*39971.877*	*2.497*
6500	*1000*	*21.15/26*	*39870.446*	*3.000*
6500	*1250*	*21.95/26*	*39955.934*	*3.181*
6500	*1500*	*23.7/26*	*40045.317*	*3.361*
6500	*1750*	*21.75/26*	*39990.386*	*3.511*
6500	*2000*	*22.0/26*	*39990.219*	*3.764*
6500	*2250*	*21.85/26*	*39992.439*	*4.120*
6500	*2500*	*23.65/26*	*40071.182*	*4.427*
6500	*2750*	*21.3/26*	*39917.591*	*4.733*
6500	*3000*	*21.1/26*	*39905.796*	*4.975*
6500	*3250*	*21.25/26*	*39918.217*	*5.215*
6500	*3500*	*22.4/26*	*39990.295*	*5.415*
6500	*3750*	*18.95/26*	*39754.819*	*5.681*
6500	*4000*	*20.2/26*	*39858.208*	*5.805*
7000	*500*	*21.0/26*	*39918.407*	*2.115*
7000	*750*	*20.6/26*	*39851.077*	*2.732*
7000	*1000*	*20.1/26*	*39812.747*	*2.774*
7000	*1250*	*24.3/26*	*40110.784*	*3.254*
7000	*1500*	*23.1/26*	*40045.448*	*3.516*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
7000	*1750*	*22.9/26*	*39994.011*	*3.787*
7000	*2000*	*21.55/26*	*39919.885*	*4.155*
7000	*2250*	*23.0/26*	*40043.888*	*4.175*
7000	*2500*	*22.25/26*	*39995.566*	*4.450*
7000	*2750*	*19.85/26*	*39849.839*	*4.666*
7000	*3000*	*22.6/26*	*39979.899*	*4.891*
7000	*3250*	*23.0/26*	*40044.101*	*5.408*
7000	*3500*	*23.35/26*	*40059.825*	*5.380*
7000	*3750*	*20.15/26*	*39832.127*	*5.817*
7000	*4000*	*20.5/26*	*39819.872*	*5.904*
7500	*500*	*19.6/26*	*39837.845*	*2.090*
7500	*750*	*20.65/26*	*39892.925*	*2.437*
7500	*1000*	*20.05/26*	*39850.464*	*2.545*
7500	*1250*	*21.45/26*	*39915.120*	*2.913*
7500	*1500*	*20.9/26*	*39912.006*	*3.259*
7500	*1750*	*21.65/26*	*39919.333*	*3.285*
7500	*2000*	*20.75/26*	*39893.732*	*3.872*
7500	*2250*	*23.85/26*	*40047.310*	*4.038*
7500	*2500*	*22.55/26*	*40055.583*	*4.325*
7500	*2750*	*24.6/26*	*40120.036*	*4.637*
7500	*3000*	*24.3/26*	*40118.422*	*4.937*
7500	*3250*	*23.8/26*	*40049.696*	*5.165*
7500	*3500*	*22.25/26*	*39912.911*	*5.423*
7500	*3750*	*21.65/26*	*39916.058*	*5.535*
7500	*4000*	*22.1/26*	*39973.738*	*5.927*
8000	*500*	*21.05/26*	*39913.068*	*2.068*
8000	*750*	*19.9/26*	*39841.001*	*2.363*
8000	*1000*	*19.3/26*	*39796.654*	*2.681*
8000	*1250*	*21.25/26*	*39889.959*	*3.063*
8000	*1500*	*20.2/26*	*39826.874*	*3.197*
8000	*1750*	*23.6/26*	*40047.238*	*3.507*
8000	*2000*	*22.25/26*	*39969.502*	*3.703*
8000	*2250*	*21.1/26*	*39914.287*	*3.932*
8000	*2500*	*19.8/26*	*39823.324*	*4.569*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
8000	*2750*	*21.95/26*	*39977.980*	*4.589*
8000	*3000*	*19.35/26*	*39789.315*	*4.833*
8000	*3250*	*24.25/26*	*40118.960*	*5.169*
8000	*3500*	*23.45/26*	*40046.924*	*5.434*
8000	*3750*	*21.15/26*	*39904.762*	*5.698*
8000	*4000*	*23.0/26*	*40048.032*	*5.993*
8500	*500*	*22.3/26*	*40006.448*	*1.847*
8500	*750*	*20.55/26*	*39846.404*	*2.278*
8500	*1000*	*22.05/26*	*39967.851*	*2.877*
8500	*1250*	*21.05/26*	*39918.090*	*3.097*
8500	*1500*	*17.75/26*	*39680.417*	*3.244*
8500	*1750*	*17.55/26*	*39683.177*	*3.732*
8500	*2000*	*20.2/26*	*39853.458*	*3.830*
8500	*2250*	*22.9/26*	*39967.368*	*4.360*
8500	*2500*	*21.45/26*	*39909.033*	*4.783*
8500	*2750*	*22.5/26*	*39973.642*	*4.504*
8500	*3000*	*20.95/26*	*39930.500*	*4.959*
8500	*3250*	*21.8/26*	*39989.046*	*5.335*
8500	*3500*	*19.65/26*	*39822.141*	*5.367*
8500	*3750*	*21.75/26*	*39952.355*	*5.642*
8500	*4000*	*16.3/26*	*39590.551*	*5.913*
9000	*500*	*23.15/26*	*40021.619*	*2.036*
9000	*750*	*23.2/26*	*40043.450*	*2.332*
9000	*1000*	*20.35/26*	*39835.319*	*2.922*
9000	*1250*	*22.55/26*	*39989.245*	*3.032*
9000	*1500*	*21.15/26*	*39881.772*	*3.224*
9000	*1750*	*24.4/26*	*40114.777*	*3.698*
9000	*2000*	*21.4/26*	*39915.193*	*4.228*
9000	*2250*	*21.95/26*	*39994.528*	*4.127*
9000	*2500*	*23.5/26*	*40056.263*	*4.567*
9000	*2750*	*23.05/26*	*40064.526*	*4.569*
9000	*3000*	*19.2/26*	*39793.295*	*4.812*
9000	*3250*	*23.1/26*	*40052.118*	*5.267*
9000	*3500*	*21.4/26*	*39985.021*	*5.358*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
9000	*3750*	*23.55/26*	*40066.317*	*5.666*
9000	*4000*	*20.9/26*	*39869.322*	*6.061*
9500	*500*	*18.75/26*	*39690.872*	*1.946*
9500	*750*	*22.5/26*	*40019.220*	*2.780*
9500	*1000*	*24.3/26*	*40115.751*	*2.814*
9500	*1250*	*24.5/26*	*40118.960*	*3.247*
9500	*1500*	*22.05/26*	*39976.376*	*3.060*
9500	*1750*	*23.35/26*	*40041.888*	*3.817*
9500	*2000*	*21.6/26*	*39939.104*	*3.990*
9500	*2250*	*22.5/26*	*40007.942*	*4.395*
9500	*2500*	*20.75/26*	*39859.299*	*4.446*
9500	*2750*	*20.05/26*	*39837.457*	*4.737*
9500	*3000*	*21.15/26*	*39909.806*	*4.962*
9500	*3250*	*21.45/26*	*39916.887*	*5.038*
9500	*3500*	*21.5/26*	*39899.246*	*5.299*
9500	*3750*	*23.45/26*	*40049.196*	*5.779*
9500	*4000*	*20.15/26*	*39837.323*	*5.673*
10000	*500*	*22.2/26*	*39985.760*	*2.034*
10000	*750*	*19.15/26*	*39797.890*	*2.648*
10000	*1000*	*19.05/26*	*39765.492*	*2.618*
10000	*1250*	*21.4/26*	*39983.669*	*3.034*
10000	*1500*	*21.65/26*	*39895.575*	*3.507*
10000	*1750*	*17.9/26*	*39693.544*	*3.612*
10000	*2000*	*23.5/26*	*40041.193*	*3.953*
10000	*2250*	*22.9/26*	*40021.403*	*4.237*
10000	*2500*	*22.55/26*	*39992.037*	*4.047*
10000	*2750*	*22.75/26*	*39977.993*	*4.610*
10000	*3000*	*20.9/26*	*39900.476*	*5.396*
10000	*3250*	*22.5/26*	*39974.484*	*5.227*
10000	*3500*	*24.1/26*	*40118.422*	*5.775*
10000	*3750*	*24.15/26*	*40119.498*	*5.809*
10000	*4000*	*22.7/26*	*39990.573*	*5.633*

Table 2 – TRIGRAMMES COMPLET

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
1000	*500*	*15.9/26*	*33047.886*	*1.077*
1000	*750*	*14.9/26*	*32772.854*	*1.079*
1500	*500*	*16.75/26*	*32990.429*	*1.603*
1500	*750*	*18.35/26*	*33321.393*	*1.614*
1500	*1000*	*16.65/26*	*32907.294*	*1.614*
1500	*1250*	*19.6/26*	*33597.595*	*1.613*
2000	*500*	*20.0/26*	*33682.421*	*1.914*
2000	*750*	*20.15/26*	*33679.843*	*2.040*
2000	*1000*	*19.9/26*	*33713.285*	*2.139*
2000	*1250*	*13.6/26*	*32513.655*	*2.150*
2000	*1500*	*19.85/26*	*33728.576*	*2.148*
2000	*1750*	*17.1/26*	*33238.137*	*2.149*
2500	*500*	*17.7/26*	*33255.945*	*2.133*
2500	*750*	*16.75/26*	*32889.646*	*2.355*
2500	*1000*	*20.8/26*	*33797.772*	*2.564*
2500	*1250*	*21.0/26*	*33992.091*	*2.590*
2500	*1500*	*18.85/26*	*33566.640*	*2.675*
2500	*1750*	*22.7/26*	*34245.244*	*2.681*
2500	*2000*	*22.2/26*	*34218.207*	*2.678*
2500	*2250*	*18.4/26*	*33389.978*	*2.688*
3000	*500*	*19.1/26*	*33578.716*	*1.936*
3000	*750*	*17.15/26*	*33135.427*	*2.641*
3000	*1000*	*18.95/26*	*33521.906*	*2.695*
3000	*1250*	*23.9/26*	*34498.324*	*3.004*
3000	*1500*	*18.45/26*	*33358.032*	*3.085*
3000	*1750*	*21.45/26*	*34014.555*	*3.167*
3000	*2000*	*20.35/26*	*33816.975*	*3.202*
3000	*2250*	*20.65/26*	*33849.543*	*3.213*
3000	*2500*	*19.35/26*	*33546.775*	*3.218*
3000	*2750*	*22.8/26*	*34277.278*	*3.214*
3500	*500*	*20.4/26*	*33935.398*	*1.957*
3500	*750*	*18.75/26*	*33379.156*	*2.401*
3500	*1000*	*23.55/26*	*34420.275*	*2.709*
3500	*1250*	*23.5/26*	*34486.696*	*3.094*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
3500	*1500*	*20.3/26*	*33826.955*	*3.234*
3500	*1750*	*20.2/26*	*33812.653*	*3.382*
3500	*2000*	*19.75/26*	*33608.295*	*3.687*
3500	*2250*	*22.75/26*	*34274.977*	*3.664*
3500	*2500*	*20.75/26*	*33806.429*	*3.744*
3500	*2750*	*18.25/26*	*33411.617*	*3.750*
3500	*3000*	*21.95/26*	*34052.202*	*3.745*
3500	*3250*	*22.8/26*	*34258.847*	*3.749*
4000	*500*	*20.85/26*	*34003.797*	*1.937*
4000	*750*	*19.3/26*	*33563.520*	*2.312*
4000	*1000*	*20.6/26*	*33840.730*	*2.944*
4000	*1250*	*16.25/26*	*32955.129*	*3.215*
4000	*1500*	*22.7/26*	*34255.901*	*3.344*
4000	*1750*	*20.1/26*	*33832.100*	*3.551*
4000	*2000*	*20.1/26*	*33835.168*	*3.803*
4000	*2250*	*18.4/26*	*33394.780*	*4.053*
4000	*2500*	*21.05/26*	*33941.864*	*4.239*
4000	*2750*	*20.5/26*	*33832.224*	*4.221*
4000	*3000*	*20.3/26*	*33813.447*	*4.287*
4000	*3250*	*21.4/26*	*34061.683*	*4.284*
4000	*3500*	*22.05/26*	*34031.815*	*4.279*
4000	*3750*	*19.45/26*	*33609.954*	*4.283*
4500	*500*	*18.8/26*	*33541.722*	*2.300*
4500	*750*	*20.3/26*	*33814.721*	*2.542*
4500	*1000*	*20.05/26*	*33830.543*	*2.818*
4500	*1250*	*20.35/26*	*33825.663*	*3.220*
4500	*1500*	*19.6/26*	*33588.590*	*3.323*
4500	*1750*	*20.55/26*	*33822.639*	*3.551*
4500	*2000*	*16.0/26*	*32890.801*	*3.755*
4500	*2250*	*23.2/26*	*34312.671*	*4.113*
4500	*2500*	*20.6/26*	*33831.736*	*4.521*
4500	*2750*	*19.35/26*	*33582.728*	*4.541*
4500	*3000*	*18.15/26*	*33373.385*	*4.619*
4500	*3250*	*22.45/26*	*34247.870*	*4.789*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
4500	*3500*	*18.3/26*	*33403.400*	*4.821*
4500	*3750*	*20.35/26*	*33802.966*	*4.831*
4500	*4000*	*16.15/26*	*32933.425*	*4.836*
5000	*500*	*17.25/26*	*33107.772*	*2.128*
5000	*750*	*18.4/26*	*33397.089*	*2.611*
5000	*1000*	*22.05/26*	*34097.879*	*2.858*
5000	*1250*	*19.4/26*	*33594.827*	*3.146*
5000	*1500*	*22.4/26*	*34290.460*	*3.365*
5000	*1750*	*20.0/26*	*33644.475*	*3.587*
5000	*2000*	*20.35/26*	*33812.415*	*3.849*
5000	*2250*	*20.7/26*	*33857.588*	*4.467*
5000	*2500*	*21.4/26*	*34031.451*	*4.644*
5000	*2750*	*19.5/26*	*33637.364*	*4.742*
5000	*3000*	*18.6/26*	*33392.188*	*4.962*
5000	*3250*	*23.8/26*	*34499.712*	*5.128*
5000	*3500*	*20.6/26*	*33821.071*	*5.268*
5000	*3750*	*20.4/26*	*33829.606*	*5.324*
5000	*4000*	*18.25/26*	*33400.960*	*5.389*
5500	*500*	*17.75/26*	*33321.251*	*2.063*
5500	*750*	*24.45/26*	*34649.691*	*2.395*
5500	*1000*	*21.75/26*	*34010.896*	*2.706*
5500	*1250*	*22.75/26*	*34278.783*	*3.221*
5500	*1500*	*19.0/26*	*33600.496*	*3.344*
5500	*1750*	*22.8/26*	*34213.551*	*3.865*
5500	*2000*	*22.55/26*	*34275.536*	*4.183*
5500	*2250*	*22.95/26*	*34261.244*	*4.421*
5500	*2500*	*21.55/26*	*34057.349*	*4.649*
5500	*2750*	*18.2/26*	*33363.244*	*4.852*
5500	*3000*	*21.6/26*	*34050.598*	*5.028*
5500	*3250*	*21.3/26*	*34044.320*	*5.355*
5500	*3500*	*20.5/26*	*33816.754*	*5.426*
5500	*3750*	*20.9/26*	*33789.138*	*5.594*
5500	*4000*	*23.6/26*	*34495.810*	*5.758*
6000	*500*	*13.1/26*	*32414.889*	*2.085*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
6000	*750*	*18.25/26*	*33369.841*	*2.690*
6000	*1000*	*20.7/26*	*33816.953*	*2.899*
6000	*1250*	*23.5/26*	*34489.919*	*3.252*
6000	*1500*	*19.55/26*	*33598.492*	*3.619*
6000	*1750*	*19.45/26*	*33605.130*	*4.009*
6000	*2000*	*21.65/26*	*34033.244*	*4.115*
6000	*2250*	*22.4/26*	*34272.127*	*4.306*
6000	*2500*	*18.3/26*	*33357.906*	*4.431*
6000	*2750*	*20.4/26*	*33826.012*	*4.720*
6000	*3000*	*20.8/26*	*33855.435*	*5.080*
6000	*3250*	*16.15/26*	*32933.631*	*5.425*
6000	*3500*	*21.55/26*	*34038.592*	*5.485*
6000	*3750*	*21.7/26*	*34039.118*	*5.800*
6000	*4000*	*21.7/26*	*34044.251*	*6.004*
6500	*500*	*16.7/26*	*33018.769*	*2.095*
6500	*750*	*22.5/26*	*34222.895*	*2.533*
6500	*1000*	*21.45/26*	*33998.819*	*3.052*
6500	*1250*	*20.55/26*	*33822.504*	*3.054*
6500	*1500*	*23.95/26*	*34480.043*	*3.525*
6500	*1750*	*16.0/26*	*32946.847*	*3.671*
6500	*2000*	*21.55/26*	*34033.611*	*4.127*
6500	*2250*	*24.25/26*	*34527.574*	*4.154*
6500	*2500*	*20.6/26*	*33788.325*	*4.655*
6500	*2750*	*20.05/26*	*33796.004*	*4.879*
6500	*3000*	*19.4/26*	*33594.285*	*5.102*
6500	*3250*	*20.9/26*	*33815.324*	*5.308*
6500	*3500*	*21.65/26*	*34047.369*	*5.577*
6500	*3750*	*16.7/26*	*33109.996*	*5.763*
6500	*4000*	*20.5/26*	*33872.405*	*5.901*
7000	*500*	*18.45/26*	*33370.512*	*1.983*
7000	*750*	*21.2/26*	*33892.193*	*2.591*
7000	*1000*	*23.75/26*	*34486.746*	*3.035*
7000	*1250*	*23.85/26*	*34493.221*	*3.171*
7000	*1500*	*19.5/26*	*33605.315*	*3.472*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
7000	*1750*	*20.25/26*	*33830.393*	*3.769*
7000	*2000*	*20.0/26*	*33824.729*	*3.973*
7000	*2250*	*20.15/26*	*33821.541*	*4.303*
7000	*2500*	*20.45/26*	*33847.022*	*4.499*
7000	*2750*	*22.8/26*	*34270.037*	*4.729*
7000	*3000*	*21.45/26*	*34041.022*	*4.890*
7000	*3250*	*20.8/26*	*33827.676*	*5.351*
7000	*3500*	*22.45/26*	*34285.314*	*5.794*
7000	*3750*	*21.4/26*	*34049.506*	*5.751*
7000	*4000*	*22.6/26*	*34248.752*	*5.969*
7500	*500*	*19.9/26*	*33680.438*	*2.033*
7500	*750*	*20.8/26*	*33835.412*	*2.559*
7500	*1000*	*19.9/26*	*33583.160*	*2.954*
7500	*1250*	*18.5/26*	*33408.051*	*3.165*
7500	*1500*	*17.25/26*	*33250.805*	*3.246*
7500	*1750*	*17.0/26*	*33107.764*	*3.841*
7500	*2000*	*20.45/26*	*33797.933*	*3.794*
7500	*2250*	*21.95/26*	*34048.771*	*4.235*
7500	*2500*	*22.65/26*	*34269.734*	*4.790*
7500	*2750*	*21.25/26*	*34044.006*	*4.818*
7500	*3000*	*21.2/26*	*34054.219*	*5.001*
7500	*3250*	*20.25/26*	*33823.190*	*5.384*
7500	*3500*	*22.6/26*	*34273.482*	*5.911*
7500	*3750*	*24.15/26*	*34493.126*	*5.912*
7500	*4000*	*23.15/26*	*34317.777*	*6.029*
8000	*500*	*19.25/26*	*33604.371*	*2.210*
8000	*750*	*21.9/26*	*33964.710*	*2.443*
8000	*1000*	*19.55/26*	*33626.252*	*2.895*
8000	*1250*	*21.55/26*	*33983.156*	*3.024*
8000	*1500*	*15.95/26*	*32930.969*	*3.217*
8000	*1750*	*23.05/26*	*34277.256*	*3.959*
8000	*2000*	*21.75/26*	*34051.127*	*4.147*
8000	*2250*	*20.15/26*	*33829.559*	*4.112*
8000	*2500*	*19.55/26*	*33579.358*	*4.659*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
8000	*2750*	*18.55/26*	*33424.582*	*4.502*
8000	*3000*	*21.65/26*	*34032.948*	*5.098*
8000	*3250*	*21.85/26*	*34047.865*	*5.451*
8000	*3500*	*18.8/26*	*33587.871*	*5.740*
8000	*3750*	*18.8/26*	*33606.634*	*5.935*
8000	*4000*	*19.8/26*	*33594.756*	*6.435*
8500	*500*	*20.6/26*	*33878.819*	*1.967*
8500	*750*	*19.3/26*	*33574.138*	*2.428*
8500	*1000*	*20.1/26*	*33802.608*	*3.245*
8500	*1250*	*22.8/26*	*34241.200*	*3.004*
8500	*1500*	*20.95/26*	*33844.691*	*3.424*
8500	*1750*	*18.85/26*	*33622.356*	*3.642*
8500	*2000*	*24.25/26*	*34500.958*	*4.119*
8500	*2250*	*21.5/26*	*34039.565*	*4.022*
8500	*2500*	*15.1/26*	*32723.537*	*4.325*
8500	*2750*	*17.85/26*	*33183.040*	*5.079*
8500	*3000*	*20.9/26*	*33882.594*	*5.057*
8500	*3250*	*19.35/26*	*33581.268*	*5.024*
8500	*3500*	*21.05/26*	*33824.266*	*5.650*
8500	*3750*	*17.45/26*	*33164.632*	*5.856*
8500	*4000*	*19.0/26*	*33383.296*	*6.296*
9000	*500*	*16.65/26*	*33065.081*	*1.995*
9000	*750*	*19.2/26*	*33527.772*	*2.633*
9000	*1000*	*17.7/26*	*33171.689*	*2.894*
9000	*1250*	*23.75/26*	*34501.204*	*3.461*
9000	*1500*	*22.45/26*	*34265.240*	*3.413*
9000	*1750*	*15.7/26*	*32919.922*	*3.667*
9000	*2000*	*21.0/26*	*33835.855*	*3.899*
9000	*2250*	*19.25/26*	*33616.781*	*4.152*
9000	*2500*	*21.65/26*	*34039.237*	*4.401*
9000	*2750*	*21.8/26*	*34039.911*	*4.915*
9000	*3000*	*22.45/26*	*34240.700*	*5.035*
9000	*3250*	*22.4/26*	*34251.975*	*5.233*
9000	*3500*	*21.95/26*	*34049.739*	*5.905*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
9000	*3750*	*22.6/26*	*34272.145*	*6.138*
9000	*4000*	*19.8/26*	*33645.496*	*6.020*
9500	*500*	*19.0/26*	*33605.703*	*2.017*
9500	*750*	*20.0/26*	*33793.597*	*2.356*
9500	*1000*	*19.05/26*	*33541.912*	*2.930*
9500	*1250*	*22.55/26*	*34270.494*	*3.254*
9500	*1500*	*23.7/26*	*34502.219*	*3.539*
9500	*1750*	*22.2/26*	*34070.951*	*3.597*
9500	*2000*	*22.35/26*	*34252.691*	*3.954*
9500	*2250*	*21.4/26*	*34051.629*	*4.292*
9500	*2500*	*18.45/26*	*33392.220*	*4.896*
9500	*2750*	*18.6/26*	*33354.364*	*4.727*
9500	*3000*	*19.6/26*	*33614.605*	*5.061*
9500	*3250*	*17.05/26*	*33134.931*	*5.493*
9500	*3500*	*22.0/26*	*34044.115*	*5.749*
9500	*3750*	*21.0/26*	*33879.862*	*5.985*
9500	*4000*	*23.85/26*	*34498.623*	*5.934*
10000	*500*	*17.95/26*	*33275.496*	*1.933*
10000	*750*	*22.65/26*	*34325.953*	*2.717*
10000	*1000*	*21.1/26*	*34010.048*	*2.756*
10000	*1250*	*20.25/26*	*33799.406*	*3.477*
10000	*1500*	*23.7/26*	*34487.933*	*3.473*
10000	*1750*	*20.75/26*	*33817.405*	*3.824*
10000	*2000*	*18.4/26*	*33390.455*	*4.113*
10000	*2250*	*20.5/26*	*33825.609*	*4.141*
10000	*2500*	*20.15/26*	*33788.931*	*4.487*
10000	*2750*	*14.95/26*	*32678.388*	*5.189*
10000	*3000*	*19.35/26*	*33573.925*	*4.903*
10000	*3250*	*17.95/26*	*33361.965*	*5.276*
10000	*3500*	*17.7/26*	*33164.616*	*5.726*
10000	*3750*	*22.85/26*	*34268.150*	*5.794*
10000	*4000*	*17.0/26*	*33110.239*	*6.153*

TABLE 3 – TETRAGRAMMES COMPLET

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
1000	*500*	*15.1/26*	*25884.376*	*1.118*
1000	*750*	*15.8/26*	*25998.816*	*1.118*
1500	*500*	*15.8/26*	*26245.230*	*1.669*
1500	*750*	*16.35/26*	*26563.675*	*1.675*
1500	*1000*	*17.0/26*	*26863.359*	*1.675*
1500	*1250*	*19.0/26*	*27772.952*	*1.673*
2000	*500*	*16.6/26*	*26703.341*	*1.911*
2000	*750*	*22.5/26*	*28934.638*	*2.083*
2000	*1000*	*23.3/26*	*29284.407*	*2.203*
2000	*1250*	*22.45/26*	*29046.843*	*2.213*
2000	*1500*	*20.4/26*	*28233.725*	*2.233*
2000	*1750*	*17.8/26*	*27449.105*	*2.233*
2500	*500*	*17.0/26*	*26681.885*	*2.102*
2500	*750*	*18.15/26*	*27159.383*	*2.413*
2500	*1000*	*19.1/26*	*27675.277*	*2.563*
2500	*1250*	*23.0/26*	*29202.284*	*2.698*
2500	*1500*	*15.9/26*	*26307.279*	*2.748*
2500	*1750*	*20.6/26*	*28302.042*	*2.761*
2500	*2000*	*16.85/26*	*26970.029*	*2.756*
2500	*2250*	*21.7/26*	*28705.755*	*2.758*
3000	*500*	*19.4/26*	*27893.089*	*2.296*
3000	*750*	*15.7/26*	*26456.339*	*2.470*
3000	*1000*	*19.2/26*	*27882.886*	*2.805*
3000	*1250*	*20.8/26*	*28335.074*	*3.098*
3000	*1500*	*22.95/26*	*29332.017*	*3.174*
3000	*1750*	*16.9/26*	*26875.468*	*3.293*
3000	*2000*	*19.0/26*	*27884.976*	*3.307*
3000	*2250*	*20.4/26*	*28323.713*	*3.304*
3000	*2500*	*21.55/26*	*28819.780*	*3.308*
3000	*2750*	*22.8/26*	*29234.546*	*3.315*
3500	*500*	*16.9/26*	*26731.995*	*1.941*
3500	*750*	*21.55/26*	*28672.206*	*2.589*
3500	*1000*	*18.1/26*	*27492.200*	*2.976*
3500	*1250*	*23.05/26*	*29231.535*	*2.998*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
3500	*1500*	*17.05/26*	*27023.370*	*3.282*
3500	*1750*	*20.6/26*	*28323.615*	*3.432*
3500	*2000*	*16.9/26*	*26950.216*	*3.690*
3500	*2250*	*18.25/26*	*27425.618*	*3.807*
3500	*2500*	*15.9/26*	*26646.374*	*3.863*
3500	*2750*	*20.05/26*	*28321.992*	*3.856*
3500	*3000*	*20.6/26*	*28037.574*	*3.858*
3500	*3250*	*18.4/26*	*27600.921*	*3.857*
4000	*500*	*19.05/26*	*27779.182*	*1.978*
4000	*750*	*17.2/26*	*27011.712*	*2.678*
4000	*1000*	*20.35/26*	*28334.075*	*2.894*
4000	*1250*	*19.5/26*	*27852.814*	*3.273*
4000	*1500*	*15.4/26*	*26189.758*	*3.267*
4000	*1750*	*20.3/26*	*28315.025*	*3.641*
4000	*2000*	*17.05/26*	*27031.029*	*3.883*
4000	*2250*	*18.25/26*	*27432.412*	*4.116*
4000	*2500*	*18.5/26*	*27423.675*	*4.233*
4000	*2750*	*15.1/26*	*26473.671*	*4.345*
4000	*3000*	*19.35/26*	*27882.843*	*4.354*
4000	*3250*	*19.15/26*	*27891.131*	*4.409*
4000	*3500*	*21.55/26*	*28799.692*	*4.404*
4000	*3750*	*20.25/26*	*28330.736*	*4.405*
4500	*500*	*19.35/26*	*27752.348*	*2.241*
4500	*750*	*16.9/26*	*26939.146*	*2.530*
4500	*1000*	*21.8/26*	*28780.991*	*2.801*
4500	*1250*	*18.3/26*	*27460.251*	*3.053*
4500	*1500*	*21.3/26*	*28764.088*	*3.330*
4500	*1750*	*13.9/26*	*25671.111*	*3.786*
4500	*2000*	*12.7/26*	*25264.738*	*4.026*
4500	*2250*	*20.35/26*	*28357.368*	*4.381*
4500	*2500*	*20.5/26*	*28322.168*	*4.451*
4500	*2750*	*18.3/26*	*27592.495*	*4.694*
4500	*3000*	*18.35/26*	*27420.448*	*4.891*
4500	*3250*	*17.6/26*	*27032.652*	*4.895*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
4500	*3500*	*16.65/26*	*26978.554*	*4.905*
4500	*3750*	*16.05/26*	*26594.363*	*4.960*
4500	*4000*	*19.7/26*	*27891.242*	*4.952*
5000	*500*	*15.55/26*	*26370.726*	*2.043*
5000	*750*	*17.15/26*	*26814.455*	*2.540*
5000	*1000*	*20.35/26*	*28314.792*	*2.726*
5000	*1250*	*18.05/26*	*27418.367*	*3.144*
5000	*1500*	*20.5/26*	*28359.383*	*3.492*
5000	*1750*	*14.75/26*	*26049.967*	*3.759*
5000	*2000*	*23.85/26*	*29682.348*	*3.929*
5000	*2250*	*22.5/26*	*29192.210*	*4.323*
5000	*2500*	*20.55/26*	*28377.569*	*4.673*
5000	*2750*	*20.3/26*	*28323.012*	*4.887*
5000	*3000*	*20.2/26*	*28333.349*	*5.006*
5000	*3250*	*15.95/26*	*26490.015*	*5.177*
5000	*3500*	*20.65/26*	*28344.579*	*5.314*
5000	*3750*	*19.15/26*	*27875.713*	*5.483*
5000	*4000*	*17.85/26*	*27435.602*	*5.508*
5500	*500*	*19.95/26*	*28197.014*	*1.868*
5500	*750*	*16.65/26*	*26972.262*	*2.491*
5500	*1000*	*18.35/26*	*27480.736*	*3.027*
5500	*1250*	*20.6/26*	*28208.619*	*3.271*
5500	*1500*	*20.65/26*	*28339.402*	*3.501*
5500	*1750*	*23.85/26*	*29684.477*	*3.688*
5500	*2000*	*18.2/26*	*27455.583*	*4.081*
5500	*2250*	*20.1/26*	*28338.030*	*4.345*
5500	*2500*	*18.4/26*	*27429.185*	*4.426*
5500	*2750*	*20.65/26*	*28320.606*	*4.896*
5500	*3000*	*20.4/26*	*28342.133*	*5.046*
5500	*3250*	*19.35/26*	*27906.241*	*5.065*
5500	*3500*	*16.9/26*	*26932.441*	*5.581*
5500	*3750*	*18.4/26*	*27430.966*	*5.846*
5500	*4000*	*18.6/26*	*27536.553*	*5.868*
6000	*500*	*16.45/26*	*26392.970*	*2.196*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
6000	*750*	*19.35/26*	*27849.343*	*2.496*
6000	*1000*	*18.85/26*	*27883.079*	*2.722*
6000	*1250*	*19.45/26*	*27869.384*	*3.234*
6000	*1500*	*17.1/26*	*26962.000*	*3.494*
6000	*1750*	*17.3/26*	*27017.024*	*3.617*
6000	*2000*	*20.3/26*	*28338.358*	*4.094*
6000	*2250*	*18.5/26*	*27483.104*	*4.309*
6000	*2500*	*16.8/26*	*27051.694*	*4.796*
6000	*2750*	*17.95/26*	*27461.426*	*4.962*
6000	*3000*	*20.85/26*	*28339.796*	*5.262*
6000	*3250*	*22.65/26*	*29257.430*	*5.403*
6000	*3500*	*17.2/26*	*26990.959*	*5.905*
6000	*3750*	*19.35/26*	*27937.381*	*5.787*
6000	*4000*	*22.1/26*	*28883.534*	*6.242*
6500	*500*	*19.6/26*	*27829.220*	*2.251*
6500	*750*	*17.25/26*	*26847.346*	*2.483*
6500	*1000*	*22.35/26*	*28949.917*	*2.691*
6500	*1250*	*22.25/26*	*29226.587*	*3.066*
6500	*1500*	*17.1/26*	*26936.041*	*3.435*
6500	*1750*	*20.45/26*	*28368.956*	*3.880*
6500	*2000*	*19.05/26*	*27876.287*	*4.033*
6500	*2250*	*19.25/26*	*27912.499*	*4.117*
6500	*2500*	*21.8/26*	*28800.784*	*4.637*
6500	*2750*	*21.8/26*	*28807.062*	*4.894*
6500	*3000*	*16.0/26*	*26514.072*	*5.261*
6500	*3250*	*13.7/26*	*25622.116*	*5.593*
6500	*3500*	*20.45/26*	*28366.909*	*5.730*
6500	*3750*	*21.55/26*	*28791.269*	*5.935*
6500	*4000*	*18.3/26*	*27418.207*	*6.222*
7000	*500*	*20.05/26*	*27997.879*	*2.167*
7000	*750*	*19.05/26*	*27896.365*	*2.333*
7000	*1000*	*20.45/26*	*28317.759*	*2.724*
7000	*1250*	*22.3/26*	*29233.759*	*3.019*
7000	*1500*	*19.05/26*	*27904.149*	*3.431*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
7000	*1750*	*18.8/26*	*27409.482*	*4.084*
7000	*2000*	*17.85/26*	*27503.974*	*4.104*
7000	*2250*	*19.55/26*	*27906.530*	*4.374*
7000	*2500*	*16.9/26*	*27014.694*	*4.872*
7000	*2750*	*17.7/26*	*26965.688*	*4.945*
7000	*3000*	*20.6/26*	*28315.821*	*5.251*
7000	*3250*	*22.55/26*	*29225.687*	*5.257*
7000	*3500*	*19.25/26*	*27895.829*	*5.893*
7000	*3750*	*21.5/26*	*28793.503*	*5.965*
7000	*4000*	*21.5/26*	*28814.872*	*6.351*
7500	*500*	*13.5/26*	*25367.354*	*2.083*
7500	*750*	*18.95/26*	*27755.214*	*2.426*
7500	*1000*	*21.15/26*	*28313.460*	*2.825*
7500	*1250*	*20.3/26*	*28212.055*	*3.179*
7500	*1500*	*21.5/26*	*28781.752*	*3.555*
7500	*1750*	*18.4/26*	*27473.970*	*3.968*
7500	*2000*	*19.25/26*	*27875.653*	*4.280*
7500	*2250*	*21.45/26*	*28811.863*	*4.162*
7500	*2500*	*18.35/26*	*27467.732*	*4.502*
7500	*2750*	*18.0/26*	*27446.327*	*5.059*
7500	*3000*	*16.35/26*	*26479.876*	*5.425*
7500	*3250*	*14.85/26*	*26111.619*	*5.673*
7500	*3500*	*15.8/26*	*26539.492*	*5.814*
7500	*3750*	*22.7/26*	*29233.128*	*6.141*
7500	*4000*	*18.1/26*	*27475.891*	*6.417*
8000	*500*	*18.7/26*	*27309.935*	*2.011*
8000	*750*	*19.0/26*	*27786.969*	*2.395*
8000	*1000*	*20.9/26*	*28396.781*	*2.779*
8000	*1250*	*15.1/26*	*26146.831*	*3.250*
8000	*1500*	*20.65/26*	*28310.690*	*3.563*
8000	*1750*	*18.25/26*	*27444.115*	*3.654*
8000	*2000*	*20.5/26*	*28335.989*	*4.039*
8000	*2250*	*18.05/26*	*27449.524*	*4.063*
8000	*2500*	*18.25/26*	*27410.290*	*4.511*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
8000	*2750*	*19.6/26*	*27893.114*	*4.801*
8000	*3000*	*19.3/26*	*27931.010*	*5.241*
8000	*3250*	*16.7/26*	*26952.674*	*5.730*
8000	*3500*	*17.95/26*	*27491.709*	*5.608*
8000	*3750*	*19.2/26*	*27928.414*	*5.868*
8000	*4000*	*20.2/26*	*28336.568*	*6.198*
8500	*500*	*18.1/26*	*27358.912*	*2.124*
8500	*750*	*21.8/26*	*28756.271*	*2.507*
8500	*1000*	*18.1/26*	*27500.565*	*2.889*
8500	*1250*	*24.0/26*	*29740.434*	*3.342*
8500	*1500*	*18.8/26*	*27868.309*	*3.465*
8500	*1750*	*17.25/26*	*27002.307*	*3.835*
8500	*2000*	*17.85/26*	*27446.012*	*4.237*
8500	*2250*	*20.75/26*	*28260.641*	*4.322*
8500	*2500*	*18.05/26*	*27475.103*	*4.442*
8500	*2750*	*19.7/26*	*27912.269*	*4.863*
8500	*3000*	*17.9/26*	*27442.581*	*5.560*
8500	*3250*	*21.65/26*	*28811.882*	*5.252*
8500	*3500*	*21.7/26*	*28776.091*	*5.722*
8500	*3750*	*21.0/26*	*28444.284*	*5.661*
8500	*4000*	*20.5/26*	*28338.953*	*5.965*
9000	*500*	*20.3/26*	*28246.238*	*2.181*
9000	*750*	*16.8/26*	*26696.741*	*2.456*
9000	*1000*	*21.5/26*	*28795.019*	*2.997*
9000	*1250*	*19.15/26*	*27775.589*	*3.175*
9000	*1500*	*19.35/26*	*27919.559*	*3.620*
9000	*1750*	*20.65/26*	*28362.743*	*3.783*
9000	*2000*	*20.85/26*	*28294.550*	*4.249*
9000	*2250*	*19.4/26*	*27925.235*	*4.573*
9000	*2500*	*18.35/26*	*27458.446*	*4.721*
9000	*2750*	*19.05/26*	*27444.498*	*5.277*
9000	*3000*	*19.6/26*	*27902.201*	*5.223*
9000	*3250*	*19.8/26*	*27960.029*	*5.454*
9000	*3500*	*18.3/26*	*27399.526*	*5.524*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
9000	*3750*	*21.4/26*	*28794.466*	*6.252*
9000	*4000*	*15.85/26*	*26554.683*	*6.108*
9500	*500*	*19.45/26*	*27544.865*	*2.164*
9500	*750*	*22.35/26*	*29065.324*	*2.554*
9500	*1000*	*16.95/26*	*26913.872*	*2.860*
9500	*1250*	*19.55/26*	*27929.259*	*3.449*
9500	*1500*	*21.05/26*	*28405.419*	*3.604*
9500	*1750*	*20.45/26*	*28352.425*	*3.591*
9500	*2000*	*18.3/26*	*27398.615*	*3.947*
9500	*2250*	*19.1/26*	*27411.143*	*4.546*
9500	*2500*	*19.65/26*	*27894.292*	*4.906*
9500	*2750*	*15.1/26*	*26109.492*	*5.068*
9500	*3000*	*14.85/26*	*26183.047*	*5.113*
9500	*3250*	*21.55/26*	*28769.221*	*5.271*
9500	*3500*	*16.0/26*	*26543.697*	*5.535*
9500	*3750*	*18.1/26*	*27470.499*	*5.773*
9500	*4000*	*17.15/26*	*27039.956*	*6.507*
10000	*500*	*17.25/26*	*26903.970*	*1.980*
10000	*750*	*21.6/26*	*28758.812*	*2.446*
10000	*1000*	*19.25/26*	*27706.239*	*2.661*
10000	*1250*	*18.1/26*	*27432.692*	*3.506*
10000	*1500*	*20.5/26*	*28355.112*	*3.376*
10000	*1750*	*24.0/26*	*29675.269*	*3.711*
10000	*2000*	*19.05/26*	*27892.111*	*4.156*
10000	*2250*	*17.0/26*	*27013.211*	*4.433*
10000	*2500*	*17.3/26*	*26931.872*	*4.352*
10000	*2750*	*19.45/26*	*27905.780*	*4.957*
10000	*3000*	*15.45/26*	*26491.777*	*5.286*
10000	*3250*	*19.15/26*	*27861.499*	*5.536*
10000	*3500*	*21.8/26*	*28716.397*	*5.410*
10000	*3750*	*20.7/26*	*28354.627*	*5.888*
10000	*4000*	*18.4/26*	*27438.946*	*6.174*

Table 4 – PENTAGRAMMES COMPLET

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
1000	*500*	*12.75/26*	*18359.619*	*1.205*
1000	*750*	*16.05/26*	*19298.577*	*1.198*
1500	*500*	*12.8/26*	*18627.636*	*1.751*
1500	*750*	*14.75/26*	*19534.083*	*1.789*
1500	*1000*	*12.0/26*	*18164.171*	*1.787*
1500	*1250*	*15.4/26*	*19642.577*	*1.791*
2000	*500*	*18.7/26*	*22697.965*	*2.145*
2000	*750*	*15.0/26*	*19777.206*	*2.293*
2000	*1000*	*16.65/26*	*21381.378*	*2.351*
2000	*1250*	*15.25/26*	*19767.306*	*2.380*
2000	*1500*	*15.25/26*	*20095.016*	*2.377*
2000	*1750*	*15.3/26*	*20159.072*	*2.378*
2500	*500*	*13.35/26*	*18630.199*	*2.403*
2500	*750*	*12.5/26*	*18656.359*	*2.467*
2500	*1000*	*18.0/26*	*22127.883*	*2.759*
2500	*1250*	*17.15/26*	*21371.779*	*2.911*
2500	*1500*	*13.45/26*	*18627.750*	*2.947*
2500	*1750*	*17.05/26*	*21449.703*	*2.962*
2500	*2000*	*19.1/26*	*22210.145*	*2.965*
2500	*2250*	*15.3/26*	*20091.695*	*2.966*
3000	*500*	*14.3/26*	*19993.370*	*2.418*
3000	*750*	*15.85/26*	*20828.473*	*2.752*
3000	*1000*	*15.55/26*	*20796.223*	*3.016*
3000	*1250*	*18.25/26*	*22164.538*	*3.271*
3000	*1500*	*17.4/26*	*21457.242*	*3.390*
3000	*1750*	*17.25/26*	*21456.122*	*3.477*
3000	*2000*	*19.35/26*	*22808.969*	*3.527*
3000	*2250*	*19.3/26*	*22838.095*	*3.507*
3000	*2500*	*16.8/26*	*21096.864*	*3.527*
3000	*2750*	*13.5/26*	*19365.517*	*3.524*
3500	*500*	*12.95/26*	*19049.003*	*2.336*
3500	*750*	*12.85/26*	*18638.624*	*3.005*
3500	*1000*	*14.3/26*	*20016.944*	*3.025*
3500	*1250*	*15.9/26*	*20752.377*	*3.328*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
3500	*1500*	*19.5/26*	*22904.669*	*3.638*
3500	*1750*	*13.9/26*	*19473.602*	*3.919*
3500	*2000*	*12.3/26*	*18755.759*	*3.974*
3500	*2250*	*19.1/26*	*22801.731*	*4.035*
3500	*2500*	*18.2/26*	*22131.877*	*4.054*
3500	*2750*	*16.55/26*	*21422.584*	*4.105*
3500	*3000*	*16.7/26*	*20930.561*	*4.109*
3500	*3250*	*15.95/26*	*20831.629*	*4.115*
4000	*500*	*19.25/26*	*22784.414*	*2.054*
4000	*750*	*13.15/26*	*19204.923*	*2.645*
4000	*1000*	*16.9/26*	*21194.274*	*3.107*
4000	*1250*	*12.65/26*	*18599.819*	*3.386*
4000	*1500*	*19.45/26*	*22873.637*	*3.589*
4000	*1750*	*20.95/26*	*23605.558*	*4.080*
4000	*2000*	*15.95/26*	*20780.917*	*4.352*
4000	*2250*	*14.75/26*	*19899.829*	*4.479*
4000	*2500*	*17.8/26*	*22152.267*	*4.456*
4000	*2750*	*16.35/26*	*20893.213*	*4.593*
4000	*3000*	*14.5/26*	*20091.955*	*4.668*
4000	*3250*	*19.2/26*	*22862.520*	*4.677*
4000	*3500*	*10.7/26*	*17224.436*	*4.688*
4000	*3750*	*18.45/26*	*22154.491*	*4.683*
4500	*500*	*18.35/26*	*21751.591*	*2.104*
4500	*750*	*14.05/26*	*19709.619*	*2.815*
4500	*1000*	*14.65/26*	*19959.947*	*2.980*
4500	*1250*	*20.2/26*	*23460.553*	*3.448*
4500	*1500*	*19.0/26*	*22891.732*	*3.906*
4500	*1750*	*13.45/26*	*19399.517*	*4.182*
4500	*2000*	*20.6/26*	*23627.060*	*4.337*
4500	*2250*	*19.35/26*	*22893.935*	*4.401*
4500	*2500*	*19.0/26*	*22927.946*	*4.571*
4500	*2750*	*13.5/26*	*19319.990*	*5.074*
4500	*3000*	*17.05/26*	*21455.009*	*5.188*
4500	*3250*	*19.45/26*	*22898.931*	*5.236*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
4500	*3500*	*21.45/26*	*24243.010*	*5.262*
4500	*3750*	*12.6/26*	*18684.440*	*5.269*
4500	*4000*	*12.85/26*	*18660.946*	*5.281*
5000	*500*	*12.9/26*	*18932.453*	*2.161*
5000	*750*	*14.95/26*	*20163.245*	*2.818*
5000	*1000*	*20.15/26*	*23584.914*	*3.410*
5000	*1250*	*19.15/26*	*22857.979*	*3.308*
5000	*1500*	*20.05/26*	*23516.637*	*3.881*
5000	*1750*	*16.9/26*	*21448.420*	*4.068*
5000	*2000*	*21.15/26*	*24287.161*	*4.509*
5000	*2250*	*13.4/26*	*19413.037*	*4.623*
5000	*2500*	*14.8/26*	*20214.616*	*5.030*
5000	*2750*	*17.2/26*	*21513.186*	*5.199*
5000	*3000*	*14.55/26*	*20145.447*	*5.424*
5000	*3250*	*16.1/26*	*20749.233*	*5.538*
5000	*3500*	*14.8/26*	*19982.292*	*5.710*
5000	*3750*	*13.3/26*	*19340.664*	*5.741*
5000	*4000*	*15.9/26*	*20894.064*	*5.861*
5500	*500*	*16.5/26*	*21286.466*	*2.219*
5500	*750*	*21.4/26*	*24055.284*	*2.857*
5500	*1000*	*18.35/26*	*22344.821*	*3.275*
5500	*1250*	*17.15/26*	*21482.879*	*3.591*
5500	*1500*	*18.6/26*	*22163.110*	*3.457*
5500	*1750*	*15.65/26*	*20221.576*	*4.127*
5500	*2000*	*13.0/26*	*19207.551*	*4.162*
5500	*2250*	*18.1/26*	*22193.998*	*4.962*
5500	*2500*	*16.75/26*	*21389.776*	*5.092*
5500	*2750*	*12.6/26*	*18600.258*	*5.249*
5500	*3000*	*13.6/26*	*19481.963*	*5.280*
5500	*3250*	*18.2/26*	*22140.583*	*5.771*
5500	*3500*	*14.4/26*	*19995.722*	*5.781*
5500	*3750*	*13.15/26*	*18687.874*	*6.265*
5500	*4000*	*17.6/26*	*22188.859*	*6.261*
6000	*500*	*16.7/26*	*21252.656*	*2.406*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
6000	*750*	*14.55/26*	*19946.267*	*2.914*
6000	*1000*	*13.35/26*	*19272.860*	*3.007*
6000	*1250*	*20.0/26*	*23545.868*	*3.581*
6000	*1500*	*12.4/26*	*18735.936*	*3.857*
6000	*1750*	*20.3/26*	*23379.277*	*3.963*
6000	*2000*	*16.15/26*	*20786.389*	*4.608*
6000	*2250*	*19.45/26*	*22919.881*	*4.482*
6000	*2500*	*17.85/26*	*22139.395*	*4.960*
6000	*2750*	*17.8/26*	*22233.396*	*5.198*
6000	*3000*	*17.2/26*	*21453.655*	*5.877*
6000	*3250*	*13.7/26*	*19361.796*	*5.692*
6000	*3500*	*19.25/26*	*22858.833*	*5.909*
6000	*3750*	*19.0/26*	*22814.971*	*6.313*
6000	*4000*	*17.15/26*	*21385.423*	*6.487*
6500	*500*	*16.45/26*	*20989.299*	*2.108*
6500	*750*	*17.1/26*	*20814.737*	*2.595*
6500	*1000*	*20.15/26*	*23461.752*	*3.187*
6500	*1250*	*15.7/26*	*20869.600*	*3.917*
6500	*1500*	*20.9/26*	*23647.470*	*3.730*
6500	*1750*	*17.9/26*	*22125.127*	*4.074*
6500	*2000*	*16.2/26*	*20699.832*	*4.646*
6500	*2250*	*15.7/26*	*20670.361*	*4.594*
6500	*2500*	*13.65/26*	*19462.869*	*5.053*
6500	*2750*	*16.45/26*	*20767.647*	*5.155*
6500	*3000*	*18.45/26*	*22154.685*	*5.477*
6500	*3250*	*20.45/26*	*23602.188*	*5.818*
6500	*3500*	*21.35/26*	*24317.672*	*6.202*
6500	*3750*	*12.65/26*	*18606.468*	*6.546*
6500	*4000*	*17.05/26*	*21475.884*	*6.565*
7000	*500*	*16.55/26*	*21139.349*	*2.397*
7000	*750*	*20.45/26*	*23570.959*	*2.911*
7000	*1000*	*18.05/26*	*22169.088*	*3.244*
7000	*1250*	*15.35/26*	*20436.794*	*3.370*
7000	*1500*	*13.45/26*	*19442.883*	*3.867*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
7000	*1750*	*15.8/26*	*20779.216*	*4.208*
7000	*2000*	*17.5/26*	*21527.112*	*4.474*
7000	*2250*	*19.8/26*	*22900.622*	*4.746*
7000	*2500*	*17.75/26*	*21516.942*	*4.941*
7000	*2750*	*17.15/26*	*21434.312*	*5.146*
7000	*3000*	*19.45/26*	*22946.222*	*5.750*
7000	*3250*	*11.3/26*	*18028.154*	*6.067*
7000	*3500*	*20.75/26*	*23568.826*	*5.944*
7000	*3750*	*14.55/26*	*20057.360*	*6.105*
7000	*4000*	*15.15/26*	*20037.528*	*6.588*
7500	*500*	*12.75/26*	*18601.351*	*2.272*
7500	*750*	*19.9/26*	*23270.241*	*2.641*
7500	*1000*	*12.5/26*	*18629.319*	*3.419*
7500	*1250*	*13.7/26*	*19419.473*	*3.517*
7500	*1500*	*15.65/26*	*20198.866*	*4.150*
7500	*1750*	*17.0/26*	*21475.959*	*4.028*
7500	*2000*	*16.85/26*	*21524.153*	*4.352*
7500	*2250*	*15.3/26*	*20083.812*	*4.509*
7500	*2500*	*17.5/26*	*21573.561*	*4.976*
7500	*2750*	*13.85/26*	*19446.929*	*5.137*
7500	*3000*	*14.65/26*	*20098.730*	*5.622*
7500	*3250*	*13.9/26*	*19352.258*	*6.007*
7500	*3500*	*19.65/26*	*22876.039*	*6.061*
7500	*3750*	*17.05/26*	*21476.376*	*6.360*
7500	*4000*	*15.9/26*	*20848.567*	*6.858*
8000	*500*	*16.2/26*	*20669.859*	*2.566*
8000	*750*	*16.5/26*	*21284.819*	*2.509*
8000	*1000*	*16.6/26*	*21443.873*	*3.004*
8000	*1250*	*17.1/26*	*21462.981*	*3.528*
8000	*1500*	*13.85/26*	*19312.643*	*3.831*
8000	*1750*	*19.25/26*	*22946.925*	*3.857*
8000	*2000*	*20.25/26*	*23627.688*	*4.616*
8000	*2250*	*18.85/26*	*22168.893*	*4.514*
8000	*2500*	*18.15/26*	*22169.279*	*4.806*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
8000	*2750*	*13.85/26*	*19293.206*	*5.567*
8000	*3000*	*17.1/26*	*21519.930*	*5.714*
8000	*3250*	*18.1/26*	*22087.307*	*5.849*
8000	*3500*	*15.1/26*	*20044.640*	*5.885*
8000	*3750*	*18.7/26*	*22221.575*	*6.546*
8000	*4000*	*18.2/26*	*22191.057*	*6.727*
8500	*500*	*18.35/26*	*21957.024*	*2.284*
8500	*750*	*15.95/26*	*20623.093*	*2.625*
8500	*1000*	*16.85/26*	*21299.165*	*2.877*
8500	*1250*	*16.0/26*	*20686.089*	*3.261*
8500	*1500*	*14.95/26*	*20126.436*	*3.884*
8500	*1750*	*21.25/26*	*23583.642*	*3.901*
8500	*2000*	*14.95/26*	*20023.780*	*4.326*
8500	*2250*	*21.9/26*	*24226.764*	*4.698*
8500	*2500*	*18.4/26*	*22126.897*	*4.852*
8500	*2750*	*14.65/26*	*20054.620*	*5.035*
8500	*3000*	*12.0/26*	*18578.097*	*5.655*
8500	*3250*	*15.45/26*	*20736.278*	*5.553*
8500	*3500*	*11.8/26*	*18040.951*	*6.172*
8500	*3750*	*18.2/26*	*22162.220*	*6.179*
8500	*4000*	*15.5/26*	*20755.598*	*6.974*
9000	*500*	*14.7/26*	*19751.752*	*2.165*
9000	*750*	*16.65/26*	*21334.837*	*2.846*
9000	*1000*	*15.9/26*	*20775.341*	*2.908*
9000	*1250*	*18.05/26*	*21871.157*	*3.637*
9000	*1500*	*19.65/26*	*22848.167*	*3.772*
9000	*1750*	*18.45/26*	*22149.541*	*3.902*
9000	*2000*	*17.05/26*	*21463.190*	*4.520*
9000	*2250*	*12.25/26*	*18601.840*	*4.491*
9000	*2500*	*13.75/26*	*19424.819*	*5.015*
9000	*2750*	*18.05/26*	*22163.347*	*5.233*
9000	*3000*	*15.7/26*	*20745.111*	*6.047*
9000	*3250*	*15.9/26*	*20787.120*	*5.951*
9000	*3500*	*19.15/26*	*22960.307*	*6.339*

Iteration GLOBALE	Iteration LOCAL	Cle	SCORE	TIME
9000	*3750*	*20.15/26*	*23524.519*	*6.265*
9000	*4000*	*17.45/26*	*21557.529*	*6.771*
9500	*500*	*17.7/26*	*22050.451*	*2.301*
9500	*750*	*17.8/26*	*22086.854*	*2.690*
9500	*1000*	*17.15/26*	*21582.690*	*3.150*
9500	*1250*	*17.0/26*	*21403.950*	*3.234*
9500	*1500*	*10.95/26*	*17905.978*	*3.844*
9500	*1750*	*17.1/26*	*21384.251*	*3.898*
9500	*2000*	*14.2/26*	*19346.653*	*4.228*
9500	*2250*	*14.05/26*	*19489.377*	*4.895*
9500	*2500*	*16.85/26*	*21408.041*	*4.920*
9500	*2750*	*14.4/26*	*20094.895*	*5.201*
9500	*3000*	*15.9/26*	*20773.433*	*5.528*
9500	*3250*	*14.8/26*	*20005.890*	*6.063*
9500	*3500*	*16.3/26*	*20762.632*	*6.242*
9500	*3750*	*13.95/26*	*19282.299*	*6.481*
9500	*4000*	*17.4/26*	*21475.180*	*6.515*
10000	*500*	*18.3/26*	*21950.097*	*2.281*
10000	*750*	*16.65/26*	*21452.683*	*2.485*
10000	*1000*	*20.95/26*	*24048.150*	*3.201*
10000	*1250*	*17.85/26*	*22098.030*	*3.401*
10000	*1500*	*15.65/26*	*20819.281*	*3.793*
10000	*1750*	*16.95/26*	*21383.597*	*3.781*
10000	*2000*	*15.65/26*	*20813.588*	*4.380*
10000	*2250*	*14.45/26*	*20147.593*	*5.239*
10000	*2500*	*15.9/26*	*20796.146*	*5.164*
10000	*2750*	*16.1/26*	*20817.620*	*5.294*
10000	*3000*	*17.3/26*	*21500.927*	*5.819*
10000	*3250*	*19.45/26*	*22859.574*	*5.919*
10000	*3500*	*18.1/26*	*22173.801*	*5.912*
10000	*3750*	*14.75/26*	*20071.940*	*6.837*
10000	*4000*	*19.2/26*	*22863.795*	*6.459*