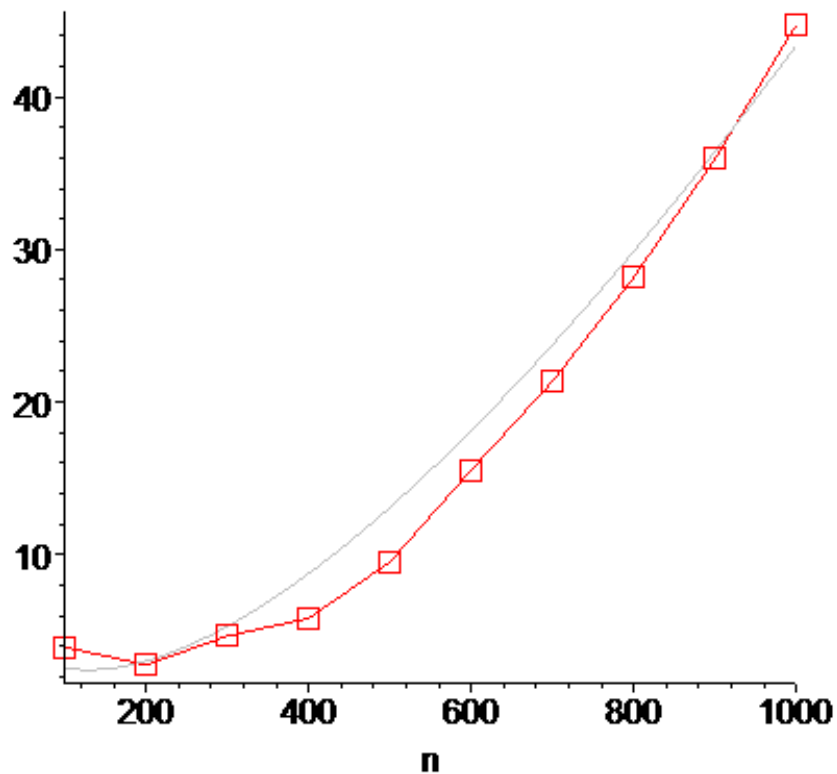


## Graph-matching Algorithm Benchmarking

The following algorithms were run on the Everest server on random trees of several sizes. The runtimes given are the average of ten iterations for the same number of nodes. Results are given in milliseconds and graphed to see the best matching complexity category.

### pq-Gram Algorithm

Number of nodes	Runtime (ms)
100	3.940071
200	2.789206
300	4.684769
400	5.835544
500	9.549845
600	15.547755
700	21.378300
800	28.189339
900	35.959259
1000	44.739039



## Similarity Matrix Algorithm

Number of nodes	Runtime (ms)
100	9.727941
200	67.133051
300	241.288532
400	562.802122
500	1210.125815
600	2983.610805
700	5557.579687
800	9925.665097
900	15098.706295
1000	22072.760049

