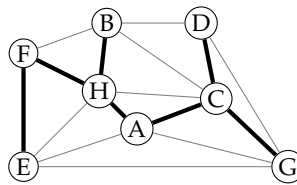# Word Ladders Report

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Results

The following table summarizes our results:

Input file	MST total weight
USA-highway-miles.txt	16598
tinyEWG-alpha.txt	181

The small thingy yields the following figure

Implementation details

We implemented the algorithm of Kruskal, using a dis-joint set. The total running time for constructing the MST is $O(m\alpha(n))$. Where α is the inverse Ackermann function.