

Spanning USA Report

Niels Christian Dawartz and Jonas Tonny Nielsen

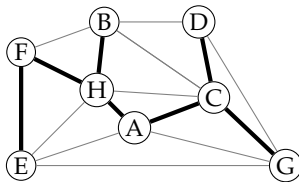
April 23, 2015

Results

The following table summarizes our results:

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

The MST we found in tinyEWG-alpha.txt can be drawn like this:



Implementation details

We implemented the algorithm of Kruskal, using an edge weighted graph as input. The main challenge was to get the regular expression right. The total running time for our implementation is $O(n + m)$.