

Spanning USA Report

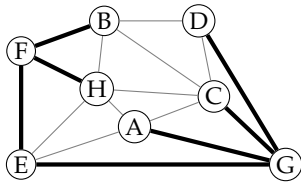
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Results

The following table summarizes our results:¹

Input file	MST total weight
USA-highway-miles.txt	17535
tinyEWG-alpha.txt	321

The MST we found in tinyEWG-alpha.txt can be drawn like this:²



¹ Correct the right hand column

² Draw the tree, by hand if you want to. The planar coordinates of the vertex play no role.

Implementation details

We implemented the algorithm of [...], using [...].³ The total running time for implementation is $O(n^3 + \log^2 m)$.⁴

³ Explain what you did. Prim? Kruskal? Which priority queue? How did you check connectivity? Be very brief. Three sentences are a lot.

⁴ Replace as necessary. Use n for the number of vertices, m for the number of edges in the input graph.