

# Word Ladders Report

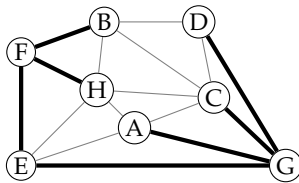
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April 4, 2015

## Results

The following table summarizes our results:<sup>1</sup>

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:<sup>2</sup>



## Implementation details

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

<sup>1</sup> Correct the right hand column

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

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

<sup>4</sup> Replace as necessary. Use  $n$  for the number of vertices,  $m$  for the number of edges in the input graph.