A* Practice Problem

For the following map:
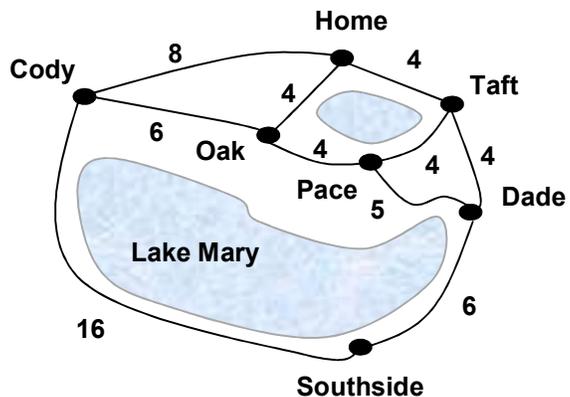
Straight line distance to
Southside from:

Cody	11
Dade	5
Home	9
Oak	7
Pace	6
Taft	8

Draw the search tree generated by the A* algorithm in finding the path from Home to Southside assuming that "the straight line distance to Southside" were used as the heuristic. What is the found path?
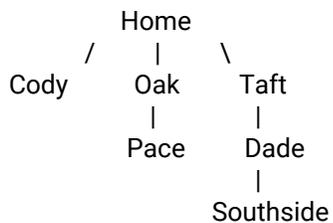
The found path is Home to Taft, to Dade, and then finally to Southside