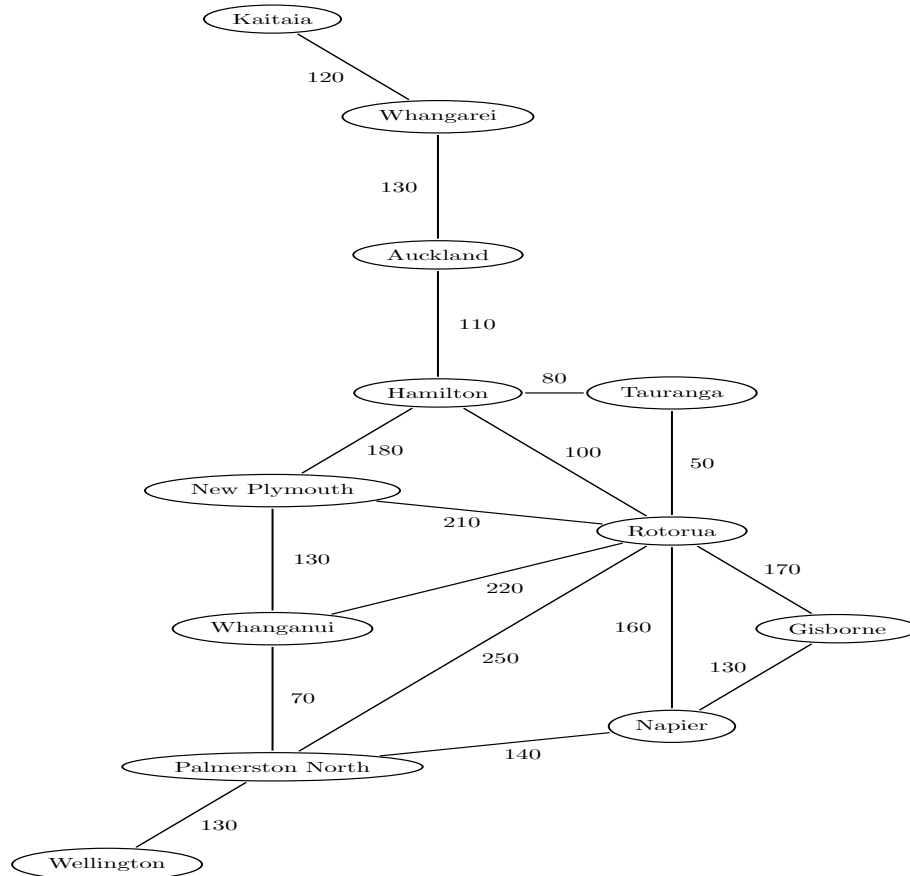


COSC201: Tutorial Week 7

Graph Paths

1. Run both Dijkstra's and Prim's algorithms on the following graph starting at Auckland. Show the state of the data structures used in each algorithm after each step. Show the final result of each algorithm (they should be trees).



2. Does Dijkstra's algorithm work for negative edge weights? Why or why not?