

COP 3330 Suggested Exercises for PriorityQueue

PriorityQueue

1) Use a PriorityQueue and other built in data structures to solve this Kattis problem:

<https://open.kattis.com/problems/guessthedatastructure>

2) Use a Priority Queue to solve this Kattis problem:

<https://open.kattis.com/problems/janeeyre>

3) This is a bit advanced, but read about Prim's Algorithm to solve the minimum spanning tree problem and use Java's built in PriorityQueue to implement the algorithm. The algorithm takes in information about connections between vertices (you can think of these as roads with particular costs to construct between two cities) and determines the minimum cost to build a road network that connects all of the cities.