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MST Problem: Solution by Prim's algorithm

Start with any one node in the spanning tree, and repeatedly add the lowest cost edge, and the node it leads to, for which the node is not already in the spanning tree

T = a spanning tree containing a single node s;
E = set of edges adjacent to s;
while T does not contain all the nodes {
remove an edge (v, w) of lowest cost from E
if w is already in T then discard edge (v, w)
else
add edge (v, w) and node w to T
add to E the edges adjacent to w
}
An edge of lowest cost can be found with a priority queue
```







