Algorithms → Graphs → Prim's algorithm

Prim's algorithm → Reconstructing the algorithm

▪ Easy   🕐 1 minute   ❓

Given below are the steps of Prim's algorithm. Sort them in the order that reconstructs the initial algorithm.

📋 Report a typo

↓ Put the items in the correct order

Select an arbitrary node in a graph as the first node of a spanning tree.	↑	↓
Consider all edges $\{x, y\}$ such that x is a node of the current tree and y is not.	↑	↓
Among all such edges, chose the one with the smallest weight and add it to the current tree.	↑	↓
Repeat two previous steps while there are edges that can be added to the current tree. Then, return the resulting...	↑	↓

✓ Correct.

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