Algorithms → Graphs → Prim's algorithm

Prim's algorithm → Applying the algorithm

📶 Medium   🕐 5 minutes   ❓

Given below is an undirected weighted connected graph:

3

Find a **maximum** spanning tree in the graph (i.e, a spanning tree having the maximum possible weight among all other spanning trees in the graph) using Prim's algorithm. Print your answer to the field below in the following format:

```
1    10
2    1 2
3    3 4
4    4 5
```

The number in the first line is the total weight of a maximum spanning tree, the remaining lines are edges, each on a separate line.

📄 Report a typo

↳ Enter a short text

```
41
0 3
3 4
4 1
1 2
2 5
5 7
7 8
8 11
11 10
10 9
```

✓ Correct.

28 users liked this problem. **1** didn't like it. **What about you?**

😍 🙂 😐 🙁 😡

[Continue]

Comments (1)   Hints (1)   Useful links (0)   Show discussion