


Minimum Spanning Tree - Kruskal

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Problem

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Output Window

Compilation Results

Custom Input

Y.O.G.I. (AI Bot)

Problem Solved Successfully

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Test Cases Passed

72 / 72

Attempts : Correct / Total

1 / 1

Accuracy : 100%

Points Scored

4 / 4

Your Total Score: 52

Time Taken

0.16

Solve Next

Directed Graph Cycle

Undirected Graph Cycle

Topological Sort

Stay Ahead With:

C++ (17)

Start Timer

```
1 class Solution {
2 public:
3     int findParent(int node, vector<int>& parent){
4         if(parent[node] == node)
5             return node;
6         return parent[node] = findParent(parent[node], parent);
7     }
8     void unionSet(int u, int v, vector<int>& parent, vector<int>& rank){
9         u = findParent(u, parent);
10        v = findParent(v, parent);
11
12        if(u == v) return;
13
14        if(rank[u] < rank[v]){
15            parent[u] = v;
16        }
17        else if(rank[u] > rank[v]){
18            parent[v] = u;
19        }
20        else{
21            parent[v] = u;
22            rank[u]++;
23        }
24    }
25
26    int kruskalsMST(int V, vector<vector<int>> &edges) {
27
28        sort(edges.begin(), edges.end(),
29            [](vector<int>& a, vector<int>& b){
30                return a[2] < b[2];
31            });
32
33        vector<int> parent(V);
34        vector<int> rank(V, 0);
```

Custom Input

Compile & Run

Submit