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1  #include <stdio.h>
2  int parent[10];
3  int find(int i);
4  void kruskal(int cost[10][10], int n);
5  int main() {
6      int n;
7      int cost[10][10];
8      printf("Enter the value of n: ");
9      scanf("%d", &n);
10     printf("Enter the cost matrix:\n");
11     for (int i = 0; i < n; i++)
12         for (int j = 0; j < n; j++)
13             scanf("%d", &cost[i][j]);
14     kruskal(cost, n);
15     return 0;
16 }
17 int find(int i) {
18     while (parent[i] >= 0)
19         i = parent[i];
20     return i;
21 }
22 void kruskal(int cost[10][10], int n) {
23     int min_cost = 0, edge_count = 0, a, b, u, v, min;
24     for (int i = 0; i < n; i++)
25         parent[i] = -1;
26     while (edge_count < n - 1) {
27         min = 999;
28         for (int i = 0; i < n; i++) {
29             for (int j = 0; j < n; j++) {
30                 if (cost[i][j] < min) {
31                     min = cost[i][j];
32                     a = i;
33                     b = j;
34                 }
35             }
36         }
37         u = find(a);
38         v = find(b);
39         if (u != v) {
40             parent[v] = u;
41             printf("%d to %d = %d\n", a, b, min);
42             min_cost = min_cost + min;
43             edge_count++;
44         }
45         cost[a][b] = cost[b][a] = 999;
46     }
47     printf("Minimum Cost: %d\n", min_cost);
48 }
49

```