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#include <stdio.h>

#include <stdlib.h>

int a, b, u, v, n, i, j, ne = 1;

int visited[10] = {0}, min, mincost = 0, cost[100][100];

int main()
{
    printf("\nEnter the number of nodes:");

    scanf("%d", &n);

    printf("\nEnter the adjacency matrix:\n");

    for (i = 1; i <= n; i++)
        for (j = 1; j <= n; j++)
        {
            scanf("%d", &cost[i][j]);

            if (cost[i][j] == 0)
                cost[i][j] = 999;
        }

    visited[1] = 1;

    printf("\n");

    while (ne < n)
    {
        for (i = 1, min = 999; i <= n; i++)
            for (j = 1; j <= n; j++)
                if (cost[i][j] < min)
                    if (visited[i] != 0)
                    {
                        min = cost[i][j];

                        a = u = i;

                        b = v = j;
                    }
    }
}

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    if (visited[u] == 0 || visited[v] == 0)
    {
        printf("\n Edge %d:(%d %d)\n cost:%d", ne++, a, b, min);
        mincost += min;
        visited[b] = 1;
    }

    cost[a][b] = cost[b][a] = 999;
}

printf("\n The total Minimun cost  =%d\n", mincost);

return 0;
}
```