

Implement Dijkstra's algorithm to compute shortest path.

Pseudo Code

```
Algo (int a[n][n], int n)
{
```

```
    int s[n];
```

```
    for i 0 to n-1
```

```
        d[i] = a[source][i];
```

```
        p[i] = source
```

```
        s[i] = 0
```

```
    s[source] = 1
```

```
    for c 0 to n-1
```

```
        min = 999
```

```
        for j 0 to n-1
```

```
            if d[j] < min && s[j] != 1 then
```

```
                min = d[j]
```

```
                u = j
```

```
        end for
```

```
        s[u] = 1
```

```
        for i 0 to n-1
```

```
            if min + a[u][i] < d[i]
```

```
                d[i] = min + a[u][i]
```

```
                p[i] = u
```

```
        end for
```

```
    end for
```

```
}
```