

## Lab 10

### **Problem Description:**

Write a java program to find the minimum cost for reaching a destination by bus.

The bus goes from 0 to n-1 bus stops. The cost of tickets for reaching all the stops forward from that stop i.e. you just need to move in forward direction.

### **Input:**

First line will contain the total number of stations, let's say n (so, you have to go from 0<sup>th</sup> to n-1 stop).

Then corresponding n lines will have ticket cost matrix. So, in the matrix  $\text{cost}[i][j] = 10$  means, the price of going from stop i to stop j is 10.

Note: The cost 1000 is given for the stops before that stop to signify that you don't need to consider that cost.

### **Output:**

Will be the total minimum cost without any new line character.

SR	Input	Output
1	4 0 15 80 90 1000 0 40 50 1000 1000 0 70 1000 1000 1000 0	65

2	5 0 15 80 90 70 1000 0 20 50 90 1000 1000 0 70 10 1000 1000 1000 0 90 1000 1000 1000 1000 0	45
3	3 0 15 80 1000 0 40 1000 1000 0	55