Programming assignment 13 Dijkstra

Input (Standard input)

In the first line, the numbers of vertices $N(1 \le N \le 5000)$ and edges $M(1 \le M \le 260,000)$ are given. In each of the next M lines, a directed edge (x, y) with weight w is given x y w.

Output (Standard output)

Print the largest weight of all shortest-path weights from vertex 1.

[Example]

Input	Output
5 10	9
1 2 10	
1 3 5	
2 4 1	
2 3 2	
3 2 3	
3 4 9	
3 5 2	
4 5 4	
5 1 7	
5 3 6	

Description

- 1. File name must be Dijkstra.cpp
- 2. Make a comment of your student ID, name and class in the first line of the source code. ex) 2014601028_Honggildong_A
- 3. Back up your submitted source code for an unexpected accident.