# Dijkstra

(Time Limit: 2 second)

**Problem Description**

The eccentricity of a vertex in a graph is the largest distance from the vertex to any other vertex. Given a graph with vertices 0~n-1, find the eccentricity of vertex 0. I:w

:q

**Technical Specification**

* + only one test case.
  + n<=10000.
  + The graph is undirected, and each edge length is a nonnegative integer at most 100.

**Input Format**

The first line contains n and m (number of edges). In the following m lines, each line contains an edge in the following form:  
u v w(u,v)  
.

**Output Format**

Output the eccentricity of vertex 0.

**Example**

|  |  |
| --- | --- |
| **Sample Input:** | **Sample Output:** |
| 3 3  0 1 1  2 1 3  0 2 5 | 4 |