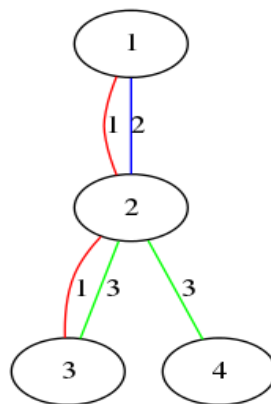


AAD Midterm 1

Colorful Roads Graph:

You are given an undirected graph consisting of **N** vertices and **M** edges.

- The vertices of the graph are numbered from **1 to N**.
- Each edge **i**, has a color **c_i**, connecting vertex **a_i** and **b_i**.



1. Write down this graph to a C# project.
2. Print the number of roads from a given "source and destination nodes".

Sample	
Input	Output
1 2	2
3 4	1
1 4	0

Note:

- Vertex 1 and vertex 2 are connected by color 1 and 2.
- Vertex 3 and vertex 4 are connected by color 3.
- Vertex 1 and vertex 4 are not connected by any single color.

Good luck

Eng. Joud Khattab