Kamal's Neighbourhood - I

HackerRank

Problem Statement

Kamal lives in mazenda city. In his neighbourhood there are several houses too. Some of them are directly connected to Kamal's house, and some of them are indirectly connected. But the roads are **two-way** as usual. If there are **N** houses and **E** roads in his area. Every house has a unique number from **0 to N-1**. Can you tell how many houses are directly connected to Kamal's house if his house number is **K**?

Input Format

- First line will contain **N** and **E**, the number of houses and roads respectively.
- Next **E** lines will contain **A** and **B**, means there is a road between A house and B house. You can go from A to B and also B to A.
- Next line will contain **K**, the number of Kamal's house

Constraints

1. 0 < **N** <=20
2. 0 <= **E** <= 190
3. 0 <= **A,B** < N
4. 0 <= **K** < N

Output Format

- Output the number of houses that are directly connected to Kamal's house.

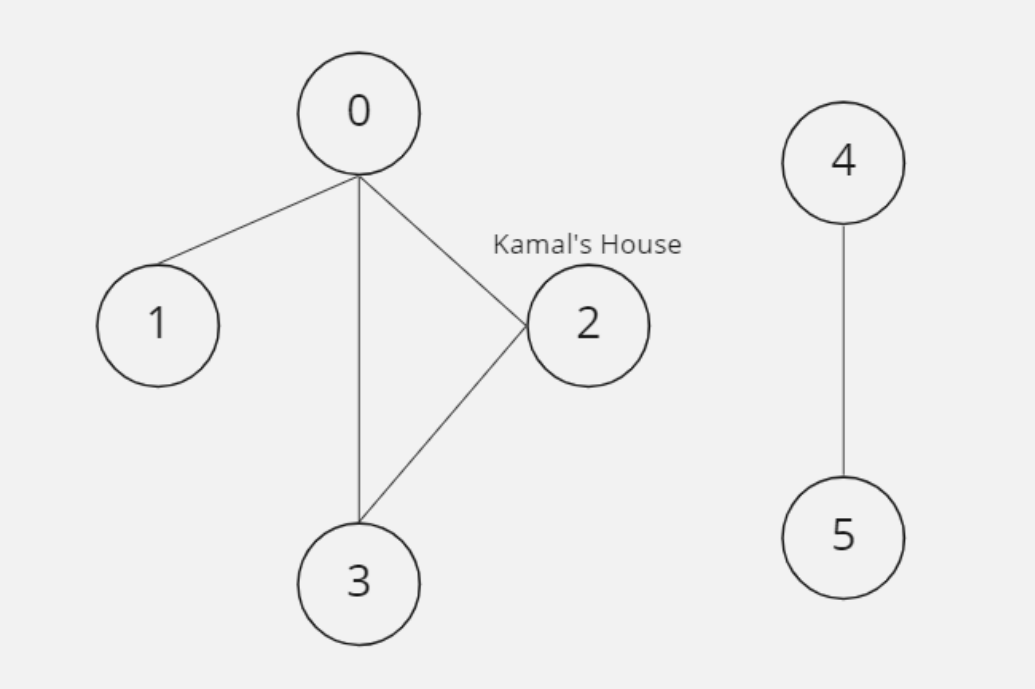
Sample Input 0

```
6 5
0 1
0 2
0 3
2 3
4 5
2
```

Sample Output 0

```
2
```

Explanation 0



So there are two houses that are directly connected to Kamal's house which are 0 and 3.