Can Go Again?

Problem Statement

You will be given **N** numbers of nodes, **E** numbers of edges in a graph. For each edge you will be given **A, B** and **W** which means there is a connection from A to B for which you need to give W cost. The value of nodes could be **from 1 to N**.

You will be given a source node **S**. Then you will be given a test case **T**, for each test case you will be given a destination node **D**. You need to tell the minimum cost from source node to destination. If there is no possible path from S to D then print **Not Possible**.

Note: If there is a negative weight cycle in the graph, then no answer would be correct. So print one line only - "**Negative Cycle Detected**".

Input Format

- First line will contain **N** and **E**.
- Next E lines will contain **A, B** and **W**.
- Next line will contain source node **S**.
- Next line will contain **T**, the number of test cases.
- For each test case, you will get **D**.

Constraints

1. 1 <= **N** <= 1000
2. 1 <= **E** <= 1000
3. 1 <= **S** <= N
4. 1 <= **T** <= 1000
5. 1 <= **D** <= N
6. -10^9 <= **W** <= 10^9

Output Format

- Ouput "**YES**" or "**NO**" for each test case if it is possible to go from S to D in DW cost.

Sample Input 0

```
5 7
1 2 10
1 3 -2
3 2 1
2 4 7
3 4 -3
4 5 5
```

```
2 5 2
1
5
1
2
3
4
5
```

Sample Output 0

```
0
-1
-2
-5
0
```

Sample Input 1

```
5 7
1 2 10
1 3 -2
3 2 1
2 4 7
3 4 -3
4 5 5
2 5 2
5
5
1
2
3
4
5
```

Sample Output 1

```
Not Possible
Not Possible
Not Possible
Not Possible
0
```

Sample Input 2

```
5 8
1 2 -2
1 3 -10
3 2 1
2 4 7
4 3 -3
4 5 5
2 5 2
4 1 1
1
5
1
2
3
4
5
```

Sample Output 2

```
Negative Cycle Detected
```

Submissions: 76
Max Score: 25
Difficulty: Medium

Rate This Challenge:

More

C++20

```cpp
#include <bits/stdc++.h>

using namespace std;



int main()
{
    // Write your code here

    return 0;
}

```

Line: 1 Col: 1

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