Hi all,

Git and Version Control

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Weekly Challenge #2 Review

Can U Escape

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Weekly Challenge #3

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Big Truck

You are driving a big truck, transporting items around the city. However, your friend wants you to stop by several locations and pick up items for him. You want to pick up as many items as possible on your trip, but keep staying on a shortest path.

Input

- Line 1: The number of locations
- Line 2: The number of your friend's items in each location
- Line 3: The number of roads
- Line 4+: Locations the road connect, and length of the road

Output

- The length of the shortest path
- The maximum number of your friend's items you can pick up

Sample Input

```
6
1 1 2 3 1 0
7
1 2 2
2 3 3
3 6 4
1 4 4
4 3 2
4 5 3
5 6 2
```

Sample Output

```
9 5
```

"Can U Escape"

How far?

Let's have a try!

Can U Escape++

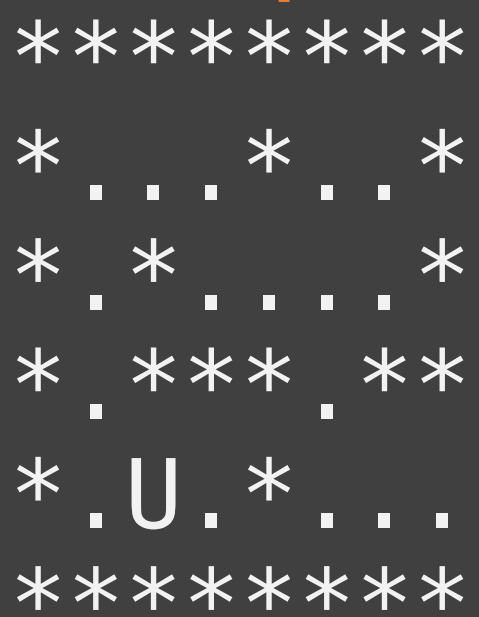
Given a maze, find the length of the shortest path from the letter U to the outside.

Sample Input

Sample Output

no

Sample Input



Sample Output

13

Can U Escape#

Given a maze, find the shortest path from the letter U to the outside and draw it on the maze.

Sample Input

```
**********
*...*...*
*.*.....*
*.****.**
*.U.*...
**********
```

Sample Output

```
**********
*UUU*...*
*U*UUU..*
*U****U**
*UU.*UUU
**********
```

Sample Input

```
*********
*...*...*
*.*.....*
*.****.**
*.U.*...
*********
```

Sample Output

```
*********
*UUU*..*
*U*UUUUU
*U****.**
*UU.*...
*********
```