

Hi all,

Git and Version Control

Laurence Liu

Weekly Challenge #2 Review

Can U Escape

Alex Li

Weekly Challenge #3

Wally Yang

Big Truck

You are driving a truck to transport items around the city, but your friend also want you to pick up some items for him. You want to pick up as much your friend's item but keep using the 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!

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

Sample Input

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

Sample Output

no

Sample Input

```
*****
*   *   *
*   *   *
*   *   *
*   *   *
*   *   *
*****
```

Sample Output

13