Hi all,

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LISP Programming Language

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Weekly Challenge #3 Review

Big Truck

Chenzhang Hu

Weekly Challenge #4.1

Chenzhang Hu

Road Maintenance

Your big truck crushed all the roads in your city. The city government decided to do road maintenance.

Road Maintenance

Your big truck crushed all the roads in your city. The city government decided to do road maintenance. They can repair one mile per day. How many days in minimum does it require to make all the locations reachable?

Road Maintenance

- Use the same test data as in *Big Truck*, 2016 ICPC NAQ
- Simply ignore the "number of items"
- Print the minimum days
- Print "impossible" if the city is not a connected graph

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

```
12
```

Weekly Challenge #4.2
Chenzhang Hu

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

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

Sample Output

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