Travelling Suisse Robot

Instructions

You have a robot and your objective is to collect the letters in the order which spells **CODEITSUISSE**.

Below is an example of a map that you can get:

```
                        \n
        D    E     I    \n
                        \n
        O               \n
                        \n
        C          T    \n
                        \n
        X               \n
                        \n
  E S   S    I    U  S  \n
                        \n
```

The robot is represented by the letter 'X' and it starts by facing the top part of the map.

The robot is randomly placed in one of the grid.

The robot can only perform 4 types of actions,

1) Move straight (S)

2) Turn left (L)

3) Turn right (R)

4) Pick up letter (P)

Endpoint

Expose 1 POST endpoint /travelling-suisse-robot for evaluation

Input

We will send you a String for constructed map. \n (New line) represents the end of the row.

Please specify your header Content-Type as text/plain.

Output

The expected instructions for the above map is:

SSPSSPSSPRSSSSSPSSSSSSSPRSSSSPSSSSPRSSSSSPSSSSSSPSSSSSSSSPSSSSPSSP

Rules

Your job is to give instructions to the robot such that it:

    - does not step out of the map

    - collects all the letters in order which spells **CODEITSUISSE**

    - does not collect a wrong letter or try to pick on an empty space

    - has the least number of **Move straight (S)**, turning and picking up **(L,R,P)** are not considered as moves

    - instructions are not excessively long

Robot can pass any letter without picking it up.