Challenge 2 - F1 - Bird's-eye Circuit

Tuenti Móvil F1 Racing Team is an ambitious project that has already been born. You are an engineer in our brand new F1 team and as a welcome (after a big round of applause) we have a task for you.
We have just received next season tracks in plain text (yes, FIAL is really slapdash for this kind of things) and we want to prettify that representation, so we can have a visual approximation of how the track will look like in real life seen from above.
That is your job and we know you will do your best!

Oops! I almost forgot! This morning we found a post-it from an engineer from another team on our desk with some basic information to understand the data received:

- Each track is represented as a plain text line.
- There are only 4 valid characters:
  - '#': Defines the starting/finishing line
  - '-': Straight line, this describes a piece of track that is straight. This means that

direction doesn't change.
    - '/': Curve. Depending on current track orientation:
        - Horizontal: Curve to the left
        - Vertical: Curve to the right
    - '\': Curve. Depending on current track orientation:
        - Horizontal: Curve to the right
        - Vertical: Curve to the left
- The start/finish line will always appear on a straight, and that straight is referred to as "start/finish straight".
- All given tracks will be well-formed.
- Track path will never cross itself.
- Track will always be a fully connected path.

We have only some **requirements** for the representation (output):

- We want a view from above of the circuit where the start/finish straight needs to be represented horizontally and going from left to right.
- All lines of the resulting representation have to be same length, adding empty spaces if needed to match the longest line length.
- Characters used for the representation:
    - Dash '-': Horizontal piece of track.
    - Pipe '|': Vertical piece of track.
    - Slash '/': Curve.
    - Back-slash '\': Curve.
    - Space ' ': Empty space.
    - Line feed (as EOL) '\n': Marking the end of the line.

In order to clarify what we want and how we want it here you have some examples from last year's tracks:

Input

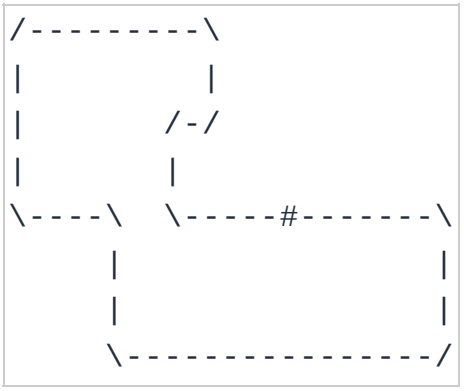
```
#----\-----/-----\-----/
```

Expected output

Input

```
------\-/-/-\-----#-------\--/----------------\--\----\--
-/---
```

Expected output



Submit & test your code

To test and submit code we provide a set of tools to help you. Download contest tools if you haven't already done that. You will then be able to test and submit your solution to this challenge with the challenge token.

```
Challenge token: 32_xwWhuglpJ2vvLRbwS
```

To test your program

```
./test_challenge 32_xwWhuglpJ2vvLRbwS path/program
```

A nice output will tell you if your program got the right solution or not. You can try as

many times as you need.

To submit your program to the challenge

```
./submit_challenge 32_xwWhuglpJ2vvLRbwS
path/source_pkg.tgz path/program
```

Note that you first need to solve the test phase before submitting the code. During the submit phase, in some problems, we might give your program harder questions, so try to make your program failsafe.

Important: In this phase, you must provide the source code used to solve the challenge and, if necessary, a brief explanation of how you solved it.

Remember **you can only submit once!** Once your solution is submitted you won't be able to amend it to fix issues or make it faster, so please be sure your solution is finished before submitting it.

If you have any doubts, please check the info section.

Go ahead

I'm done! :)

Once you have submitted your code, hit refresh and continue to next challenge.

I'm stuck! :(

Be sure you follow the Tuenti Engineering twitter for updates and possible hints during the contest.

If this challenge is too hard and you are blocked, you will be able to skip it after two hours. Note that **you won't be able to complete it later**, and you have a limited number of challenges to skip.

Finally, if you run out of skips but are still really stuck with one problem, you will be able to skip it after 24 hours.

Challenge status:

Test case	Not done

Solution submitted	Not done
Skip	You still have to wait 0h, 30m and 0s to be able to skip this challenge

Refresh status

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