WP

Description

Pytorch is a widely used AI framework. I use it as a carrier to provide a simple and interesting game. I hope you like it.

The format of flag is flag{md5(the shortest path of the maze)}

Solution

This challenge gives us only one file, a '.pt' file. In the description I have prompted that it is a pytorch model and it contains a maze.

We can use 'torch.load' to get the model's parameter and know what's in this model by applying 'print()' function. You can find some base64 string here.

Maze(

```
(maze): Linear(in_features=42, out_features=42, bias=True)
(eW91X3Nob3VsZF9maW5kX3RoZV9zaG9ydGVzdF93YXlfZnJvbV8yX3RvXzMu):
Linear(in_features=0, out_features=0, bias=True)
(bnVtYmVyXzBfc3RhbmRfZm9yX3dheV9hbmRfbnVtYmVyXzFfc3RhbmRfZm9yX2Jsb2Nr):
Linear(in_features=0, out_features=0, bias=True)
(eW91X3Nob3VsZF90ZWxsX21IX3RoZV9wYXRoX2J5X3VzaW5nX0FXU0Rf):
Linear(in_features=0, out_features=0, bias=True)
)

After decoding these you can get hints:
you_should_find_the_shortest_way_from_2_to_3.
number_0_stand_for_way_and_number_1_stand_for_block
you_should_tell_me_the_path_by_using_AWSD_
```

You can know the maze's size is 42×42 for '(maze): Linear(in_features=42, out_features=42,

Let's have a look at this maze:

bias=True)'

It is eazy realizing you shoud find the shortesr way from 2 to 3. This challenge is baby if you master the Breadth-First-Search(bfs) algorithm.

You can run the 'exp.py' to get following answer:

path:

So the flag is flag{689bc7711b6becd9c1d92ae3bb9e5e59}