



The

Time: 53 mins, 43 secs / Bonus: 1.98X **Arena (HARD)**

Problems

The Arena-Hard

Results

Team Info

Logout

Welcome to the arena. Here you will be competing against other agents, controlled by other teams, to try and control space in the arean maze. You will have an agent in the maze that is moving around, and as it moves it will own territory for you.

You will be provided a few API endpoints, described below. You must interface with those endpoints to successfully move your agent.

A couple rules/guidelines:

- You must check for available moves prior to moving your agent.
- To move your agent you must supply the request token provided when asking for available moves.
- You will keep moving your agent until time expires, however you will have a maximum number of 100 failed requests.
- A failed request includes moving to an invalid square or supplying an invalid token.
- The request token is reset each time you move your agent.
- There are some special spaces to watch out for. Some have coins, which will give you bonus points. Some have danger indicators and will teleport you back to your original space.
- Sample endpoints are provided, you should run your development code against them first.

The more time you spend testing in the sample space, the less time you will be capturing squares in the actual arena, so time is of the essence.

Testing/Dev Endpoints:

MOVE OPTIONS REQUEST EXAMPLE:

```
GET /api/arena_b9trs9s/check_sample?guid=bfc78a80-2523-0d0b-bd36-94e8ef3c2b1f
```

MOVE OPTIONS RESPONSE(S):

```
[{"error_message":"Failed GUID validation."}]
[{"error_message":"Failure limit exhausted for bfc78a80-2523-0d0b-bd36-94e8ef3c2b1f."}]
[{"option":"N"}, {"option":"S"}, {"option":"E"}, {"option":"W"}, {"token":"43be380"}]
```

MOVE REQUEST EXAMPLE:

```
GET /api/arena_b9trs9s/move_sample?guid=bfc78a80-2523-0d0b-bd36-94e8ef3c2b1f&token=a0a70b8&move=N
```

MOVE RESPONSE(S):

```
[{"error_message":"Failed GUID validation."}]
[{"error_message":"Automatic fail, attempted move before getting location options."}]
[{"error_message":"Failure limit exhausted for bfc78a80-2523-0d0b-bd36-94e8ef3c2b1f."}]
[{"error_message":"Invalid token."}]
[{"error_message":"No move provided."}]
[{"error_message":"Invalid move provided. Must be N,S,E or W."}]
[{"message":"Teleported back to base!"}]
[{"message":"Successfully moved N, FOUND A COIN!"}]
[{"message":"Successfully moved N."}]
```

BOARD STATUS REQUEST EXAMPLE:

```
GET /api/arena_b9trs9s/board_sample?guid=bfc78a80-2523-0d0b-bd36-94e8ef3c2b1f
```

BOARD STATUS RESPONSE EXAMPLE:

```
[{"error_message":"Failed GUID validation."}]
<html><head><title>Arena Board</title><meta http-equiv='refresh' content='3' />(you'll have to figure this part out....)
```

Production Endpoints:

MOVE OPTIONS REQUEST:

```
GET /api/arena_b9trs9s/check?guid=<guid>
```

MOVE REQUEST:

```
GET /api/arena_b9trs9s/move?guid=<guid>&token=<token>&answer=<answer>
```

BOARD STATUS REQUEST:

```
GET /api/arena_b9trs9s/board?guid=<guid>
```

Best Submission: 0.00%**Submit Solution**

This problem is API based.

Your GUID is: c16e0ad9-240d-4253-998c-70a2d772144b