

Clean the Floor

Instructions

You find that cleaning the floor with the least amount of movement helps to calm your nerves. A value higher than 0 represents the dirtiness of the floor. Find out what is the least number of moves to clean the floor.

Expose a `POST` endpoint `/clean_floor` for us to verify!

Input

```
{
  "tests": {
    "0": {
      "floor": [0, 1]
    },
    "1": {
      "floor": [1, 1]
    },
    ...
  }
}
```

Output Expected

```
{
  "answers": {
    "0": 1,
    "1": 2,
    ...
  }
}
```

Itty Bitty Details

- 1. The start point is always at position 0 of the array
- 2. Each move traverses 1 position in the array and performs 1 action
- 3. There are only 2 possible actions per move:
 - If the position has **dirt level > 0** then the dirt level decreases by 1 (*Spend some time and effort to clean the floor*)
 - If the position has **dirt level = 0** then the dirt level increases by 1 (*You walked on a clean floor so you dirty it*)
- 4. When all values in the floor have a **dirt level = 0**, then the floor is clean!

Examples

Input 1

```
[0, 1]
```

Output 1

```
1 Move to clean
Move 0: [0, 1]
Move 1: [0, 0] // You're done cleaning!
```

Input 2

```
[1, 1]
```

Output 2

```
2 Moves to clean
Move 0: [1, 1]
Move 1: [1, 0]
Move 2: [0, 0] // You're done cleaning!
```

Actual number of test cases given may change.