

Some test cases

The following test is on my machine, with compiler Apple clang version 15.0.0 (clang-1500.3.9.4)

case 1 the success case

```
L> ./game
```

```
Welcome to the lobby. There are 3 exits: east north south
```

```
Enter your command:go east
```

```
Welcome to the room 1. There are 1 exits: west
```

```
Enter your command:go west
```

```
Welcome to the lobby. There are 3 exits: east north south
```

```
Enter your command:go south
```

```
Welcome to the room 2. There are 2 exits: north south
```

```
Enter your command:go south
```

```
Welcome to the room 3. There are 3 exits: east north south
```

```
Enter your command:go east
```

```
Welcome to the room 4. There are 4 exits: east north south west
```

```
Enter your command:go south
```

```
Congratulation! You found the princess!
```

```
Princess: oh my hero, you saved me! Now let we come back to the lobby! Don't forget the
```

```
Welcome to the room 5. There are 2 exits: north west
```

```
Enter your command:go north
```

```
Welcome to the room 4. There are 4 exits: east north south west
```

```
Enter your command:go west
```

```
Welcome to the room 3. There are 3 exits: east north south
```

```
Enter your command:go north
```

```
Welcome to the room 2. There are 2 exits: north south
```

```
Enter your command:go north
```

```
You and the princess come back to the lobby. You win!
```

```
<- ./game
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go east
Welcome to the room 1. There are 1 exits: west
Enter your command:go west
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go south
Welcome to the room 2. There are 2 exits: north south
Enter your command:go south
Welcome to the room 3. There are 3 exits: east north south
Enter your command:go east
Welcome to the room 4. There are 4 exits: east north south west
Enter your command:go south
Congratulation! You found the princess!
Princess: oh my hero, you saved me! Now let we come back to the lobby! Don't forget the horrible monster!
Welcome to the room 5. There are 2 exits: north west
Enter your command:go north
Welcome to the room 4. There are 4 exits: east north south west
Enter your command:go west
Welcome to the room 3. There are 3 exits: east north south
Enter your command:go north
Welcome to the room 2. There are 2 exits: north south
Enter your command:go north
You and the princess come back to the lobby. You win!
```

case 2 the fail case

```
> ./game
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go east
Welcome to the room 1. There are 1 exits: west
Enter your command:go west
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go south
Welcome to the room 2. There are 2 exits: north south
Enter your command:go south
Welcome to the room 3. There are 3 exits: east north south
Enter your command:go east
Welcome to the room 4. There are 4 exits: east north south west
Enter your command:go east
Congratulation! You found the princess!
Princess: oh my hero, you saved me! Now let we come back to the lobby! Don't forget the
Welcome to the room 5. There are 2 exits: north west
Enter your command:go north
Oh my god! You were eaten by the monster! You fail!!!
```

```
↳ ./game
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go east
Welcome to the room 1. There are 1 exits: west
Enter your command:go west
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go south
Welcome to the room 2. There are 2 exits: north south
Enter your command:go south
Welcome to the room 3. There are 3 exits: east north south
Enter your command:go east
Welcome to the room 4. There are 4 exits: east north south west
Enter your command:go east
Congratulation! You found the princess!
Princess: oh my hero, you saved me! Now let we come back to the lobby! Don't forget the horrible monster!
Welcome to the room 5. There are 2 exits: north west
Enter your command:go north
Oh my god! You were eaten by the monster! You fail!!!
```

case 3 type illegal command

```
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go errow
There is no exit in that direction.
Welcome to the lobby. There are 3 exits: east north south
Enter your command:
```

```
↳ ./game
Welcome to the lobby. There are 3 exits: east north south
Enter your command:go errow
There is no exit in that direction.
Welcome to the lobby. There are 3 exits: east north south
Enter your command:
```

it turns out that the game will not crash when you type illegal command. It will just show the error message and wait for the next command.