Problem 1812: Determine Color of a Chessboard Square

Problem Information

Difficulty: Easy
Acceptance Rate: 79.60%
Paid Only: No
Tags: Math, String

Problem Description

You are given `coordinates`, a string that represents the coordinates of a square of the chessboard. Below is a chessboard for your reference.

Return `true` _if the square is white, and_ `false` _if the square is black_.

The coordinate will always represent a valid chessboard square. The coordinate will always have the letter first, and the number second.

Example 1:

Input: coordinates = "a1" **Output:** false **Explanation:** From the chessboard above, the square with coordinates "a1" is black, so return false.

Example 2:

Input: coordinates = "h3" **Output:** true **Explanation:** From the chessboard above, the square with coordinates "h3" is white, so return true.

Example 3:

Input: coordinates = "c7" **Output:** false

Constraints:

* `coordinates.length == 2` * `'a' <= coordinates[0] <= 'h'` * `'1' <= coordinates[1] <= '8'`

Code Snippets

C++:

```cpp
class Solution {
public:
bool squareIsWhite(string coordinates) {


}
};
```

Java:

```java
class Solution {
public boolean squareIsWhite(String coordinates) {


}
}
```

Python3:

```python
class Solution:
def squareIsWhite(self, coordinates: str) -> bool:
```