

Problem 2347: Best Poker Hand

Problem Information

Difficulty: Easy

Acceptance Rate: 61.47%

Paid Only: No

Tags: Array, Hash Table, Counting

Problem Description

You are given an integer array `rank` and a character array `suit`. You have 5 cards where the `i`th card has a rank of `rank[i]` and a suit of `suit[i]`.

The following are the types of **poker hands** you can make from best to worst:

1. **"Flush"**: Five cards of the same suit.
2. **"Three of a Kind"**: Three cards of the same rank.
3. **"Pair"**: Two cards of the same rank.
4. **"High Card"**: Any single card.

Return a string representing the **best** type of **poker hand** you can make with the given cards.

Note that the return values are **case-sensitive**.

Example 1:

Input: `rank = [13,2,3,1,9], suit = ["a","a","a","a","a"]` **Output:** `"Flush"` **Explanation:** The hand with all the cards consists of 5 cards with the same suit, so we have a "Flush".

Example 2:

Input: `rank = [4,4,2,4,4], suit = ["d","a","a","b","c"]` **Output:** `"Three of a Kind"` **Explanation:** The hand with the first, second, and fourth card consists of 3 cards with the same rank, so we have a "Three of a Kind". Note that we could also make a "Pair" hand but "Three of a Kind" is a better hand. Also note that other cards could be used to make the "Three of a Kind" hand.

****Example 3:****

****Input:**** ranks = [10,10,2,12,9], suits = ["a","b","c","a","d"] ****Output:**** "Pair" ****Explanation:****
The hand with the first and second card consists of 2 cards with the same rank, so we have a "Pair". Note that we cannot make a "Flush" or a "Three of a Kind".

****Constraints:****

* `ranks.length == suits.length == 5` * `1 <= ranks[i] <= 13` * ``a' <= suits[i] <= 'd`` * No two cards have the same rank and suit.

Code Snippets

C++:

```
class Solution {
public:
    string bestHand(vector<int>& ranks, vector<char>& suits) {

    }
};
```

Java:

```
class Solution {
    public String bestHand(int[] ranks, char[] suits) {

    }
}
```

Python3:

```
class Solution:
    def bestHand(self, ranks: List[int], suits: List[str]) -> str:
```