Problem 984: String Without AAA or BBB

Problem Information

Difficulty: Medium
Acceptance Rate: 44.84%
Paid Only: No
Tags: String, Greedy

Problem Description

Given two integers `a` and `b`, return **any** string `s` such that:

* `s` has length `a + b` and contains exactly `a` `'a'` letters, and exactly `b` `'b'` letters, * The substring `'aaa'` does not occur in `s`, and * The substring `'bbb'` does not occur in `s`.

Example 1:

Input: a = 1, b = 2 **Output:** "abb" **Explanation:** "abb", "bab" and "bba" are all correct answers.

Example 2:

Input: a = 4, b = 1 **Output:** "aabaa"

Constraints:

* `0 <= a, b <= 100` * It is guaranteed such an `s` exists for the given `a` and `b`.

Code Snippets

C++:

```
class Solution {
public:
string strWithout3a3b(int a, int b) {
```

```
    }
};
```

Java:

```java
class Solution {
public String strWithout3a3b(int a, int b) {

}
}
```

Python3:

```python
class Solution:
def strWithout3a3b(self, a: int, b: int) -> str:
```