

Problem 67: Add Binary

Problem Information

Difficulty: Easy

Acceptance Rate: 56.45%

Paid Only: No

Tags: Math, String, Bit Manipulation, Simulation

Problem Description

Given two binary strings `a` and `b`, return _their sum as a binary string_.

Example 1:

Input: a = "11", b = "1" **Output:** "100"

Example 2:

Input: a = "1010", b = "1011" **Output:** "10101"

Constraints:

* `1 <= a.length, b.length <= 104` * `a` and `b` consist only of '0' or '1' characters. * Each string does not contain leading zeros except for the zero itself.

Code Snippets

C++:

```
class Solution {
public:
    string addBinary(string a, string b) {
        }
};
```

Java:

```
class Solution {  
    public String addBinary(String a, String b) {  
        }  
        }
```

Python3:

```
class Solution:  
    def addBinary(self, a: str, b: str) -> str:
```