

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.