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.