You are given a binary string binary consisting of only 0's or 1's. You can apply each of the following operations any number of times:

* Operation 1: If the number contains the substring "00", you can replace it with "10".
  + For example, "00010" -> "10010"
* Operation 2: If the number contains the substring "10", you can replace it with "01".
  + For example, "00010" -> "00001"

*Return the****maximum binary string****you can obtain after any number of operations. Binary string x is greater than binary string y if x's decimal representation is greater than y's decimal representation.*

**Example 1:**

**Input:** binary = "000110"

**Output:** "111011"

**Explanation:** A valid transformation sequence can be:

"000110" -> "000101"

"000101" -> "100101"

"100101" -> "110101"

"110101" -> "110011"

"110011" -> "111011"

**Example 2:**

**Input:** binary = "01"

**Output:** "01"

**Explanation:** "01" cannot be transformed any further.

**Constraints:**

* 1 <= binary.length <= 105
* binary consist of '0' and '1'.