





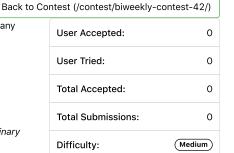
5623. Maximum Binary String After Change

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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, "<u>00</u>010" -> "<u>10</u>010 "
- Operation 2: If the number contains the substring "10" , you can replace it with "01" .
 - ∘ For example, "000<u>10</u>" -> "000<u>01</u>"

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" -> "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'.