

# 2546. Apply Bitwise Operations to Make Strings Equal

## Description

You are given two **0-indexed binary** strings `s` and `target` of the same length `n`. You can do the following operation on `s` **any** number of times:

- Choose two **different** indices `i` and `j` where  $0 \leq i, j < n$ .
- Simultaneously, replace `s[i]` with  $(s[i] \text{ OR } s[j])$  and `s[j]` with  $(s[i] \text{ XOR } s[j])$ .

For example, if `s = "0110"`, you can choose `i = 0` and `j = 2`, then simultaneously replace `s[0]` with  $(s[0] \text{ OR } s[2] = 0 \text{ OR } 1 = 1)$ , and `s[2]` with  $(s[0] \text{ XOR } s[2] = 0 \text{ XOR } 1 = 1)$ , so we will have `s = "1110"`.

Return `true` *if you can make the string* `s` *equal to* `target`, *or* `false` *otherwise*.

### Example 1:

**Input:** `s = "1010", target = "0110"`

**Output:** `true`

**Explanation:** We can do the following operations:

- Choose `i = 2` and `j = 0`. We have now `s = "0 0 1 0"`.
- Choose `i = 2` and `j = 1`. We have now `s = "0 1 1 0"`.

Since we can make `s` equal to `target`, we return `true`.

### Example 2:

**Input:** `s = "11", target = "00"`

**Output:** `false`

**Explanation:** It is not possible to make `s` equal to `target` with any number of operations.

### Constraints:

- `n == s.length == target.length`
- $2 \leq n \leq 10^5$
- `s` and `target` consist of only the digits `0` and `1`.

