Given a binary array, find the maximum length of a contiguous subarray with equal number of 0 and 1.

**Example 1:**

**Input:** [0,1]

**Output:** 2

**Explanation:** [0, 1] is the longest contiguous subarray with equal number of 0 and 1.

**Example 2:**

**Input:** [0,1,0]

**Output:** 2

**Explanation:** [0, 1] (or [1, 0]) is a longest contiguous subarray with equal number of 0 and 1.

**Note:** The length of the given binary array will not exceed 50,000.