//https://leetcode.com/problems/maximum-product-subarray

[**152. Maximum Product S**](https://leetcode.com/problems/longest-consecutive-sequence/)**ubarray**

Given an integer array nums, find a subarray  that has the largest product, and return *the product*.

The test cases are generated so that the answer will fit in a **32-bit** integer.

**Example 1:**

**Input:** nums = [2,3,-2,4]

**Output:** 6

**Explanation:** [2,3] has the largest product 6.

**Example 2:**

**Input:** nums = [-2,0,-1]

**Output:** 0

**Explanation:** The result cannot be 2, because [-2,-1] is not a subarray.

**Constraints:**

* 1 <= nums.length <= 2 \* 104
* -10 <= nums[i] <= 10
* The product of any prefix or suffix of nums is **guaranteed** to fit in a **32-bit** integer.