

Maximum Product Subarray

152. Maximum Product Subarray

Medium

👍 14.7K

💬 434



🏢 Companies

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.