

1979. Find Greatest Common Divisor of Array

Description

Given an integer array `nums`, return *the greatest common divisor of the smallest number and largest number in* `nums`.

The **greatest common divisor** of two numbers is the largest positive integer that evenly divides both numbers.

Example 1:

Input: `nums = [2,5,6,9,10]`

Output: 2

Explanation:

The smallest number in `nums` is 2.

The largest number in `nums` is 10.

The greatest common divisor of 2 and 10 is 2.

Example 2:

Input: `nums = [7,5,6,8,3]`

Output: 1

Explanation:

The smallest number in `nums` is 3.

The largest number in `nums` is 8.

The greatest common divisor of 3 and 8 is 1.

Example 3:

Input: `nums = [3,3]`

Output: 3

Explanation:

The smallest number in `nums` is 3.

The largest number in `nums` is 3.

The greatest common divisor of 3 and 3 is 3.

Constraints:

- `2 <= nums.length <= 1000`
- `1 <= nums[i] <= 1000`

