

628. Maximum Product of Three Numbers

Given an integer array *nums*, *find three numbers whose product is maximum and return the maximum product.*

Example 1:

Input: *nums* = [1,2,3]

Output: 6

Example 2:

Input: *nums* = [1,2,3,4]

Output: 24

Example 3:

Input: *nums* = [-1,-2,-3]

Output: -6

Constraints:

- $3 \leq \text{nums.length} \leq 10^4$
- $-1000 \leq \text{nums}[i] \leq 1000$