

# Maximum XOR of Two Numbers in an Array

Given an integer array `nums`, return *the maximum result of* `nums[i] XOR nums[j]`, where  $0 \leq i \leq j < n$ .

## **Example 1:**

**Input:** `nums = [3,10,5,25,2,8]`

**Output:** 28

**Explanation:** The maximum result is `5 XOR 25 = 28`.

## **Example 2:**

**Input:** `nums = [14,70,53,83,49,91,36,80,92,51,66,70]`

**Output:** 127

## **Constraints:**

- $1 \leq \text{nums.length} \leq 2 * 10^5$
- $0 \leq \text{nums}[i] \leq 2^{31} - 1$