

# 368. Largest Divisible Subset

## Description

Given a set of **distinct** positive integers `nums`, return the largest subset `answer` such that every pair `(answer[i], answer[j])` of elements in this subset satisfies:

- `answer[i] % answer[j] == 0`, or
- `answer[j] % answer[i] == 0`

If there are multiple solutions, return any of them.

### Example 1:

**Input:** `nums = [1,2,3]`  
**Output:** `[1,2]`  
**Explanation:** `[1,3]` is also accepted.

### Example 2:

**Input:** `nums = [1,2,4,8]`  
**Output:** `[1,2,4,8]`

### Constraints:

- `1 <= nums.length <= 1000`
- `1 <= nums[i] <= 2 * 109`
- All the integers in `nums` are **unique**.

