

368. Largest Divisible Subset

1515

75

Description (/problems/largest-divisible-subset/description/)

Hints (/problems/largest-divisible-subset/hints/)

Submissions (/problem

Pick One (/problems/random-one-question/)

Given a set of **distinct** positive integers, find the largest subset such that every pair (S_i, S_j) of elements in this subset satisfies:

$S_i \% S_j = 0$ or $S_j \% S_i = 0$.

If there are multiple solutions, return any subset is fine.

Example 1:

Input: [1,2,3]

Output: [1,2] (of course, [1,3] will also be ok)

Example 2:

Input: [1,2,4,8]

Output: [1,2,4,8]

Seen this question in a real interview before?

Yes

No

Difficulty:

Medium

Total Accepted:

100.2K

Total Submissions:

263.9K

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Python3

```
1 class Solution:
2     def largestDivisibleSubset(self, nums: List[int]) -> List[int]:
3
4
5
```

Custom Testcase (Contribute)

Run Code

Submit

