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932. Beautiful Array

Medium   👍 664   👎 941   ♡ Add to List   ⎙ Share

An array `nums` of length `n` is **beautiful** if:

- `nums` is a permutation of the integers in the range `[1, n]`.
- For every `0 <= i < j < n`, there is no index `k` with `i < k < j` where `2 * nums[k] == nums[i] + nums[j]`.

Given the integer `n`, return *any* **beautiful** *array* `nums` *of length* `n`. There will be at least one valid answer for the given `n`.

Example 1:

```
Input: n = 4
Output: [2,1,4,3]
```

Example 2:

```
Input: n = 5
Output: [3,1,2,5,4]
```

Constraints:

- `1 <= n <= 1000`

Accepted   29,683   Submissions   47,055

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```
class Solu
    def be
int) -> Li
```

Console ▾

▶ Run Code ⌃