1799. Maximize Score After N Operations

Description

You are given `nums`, an array of positive integers of size `2 * n`. You must perform `n` operations on this array.

In the `i th` operation **(1-indexed)**, you will:

- Choose two elements, `x` and `y`.
- Receive a score of `i * gcd(x, y)`.
- Remove `x` and `y` from `nums`.

Return *the maximum score you can receive after performing* `n` *operations.*

The function `gcd(x, y)` is the greatest common divisor of `x` and `y`.

Example 1:

```
Input: nums = [1,2]
Output: 1
Explanation: The optimal choice of operations is:
(1 * gcd(1, 2)) = 1
```

Example 2:

```
Input: nums = [3,4,6,8]
Output: 11
Explanation: The optimal choice of operations is:
(1 * gcd(3, 6)) + (2 * gcd(4, 8)) = 3 + 8 = 11
```

Example 3:

```
Input: nums = [1,2,3,4,5,6]
Output: 14
Explanation: The optimal choice of operations is:
(1 * gcd(1, 5)) + (2 * gcd(2, 4)) + (3 * gcd(3, 6)) = 1 + 4 + 9 = 14
```

Constraints:

- `1 <= n <= 7`
- `nums.length == 2 * n`
- `1 <= nums[i] <= 10 6`