

1798. Maximum Number of Consecutive Values You Can Make

Medium

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You are given an integer array `coins` of length `n` which represents the `n` coins that you own. The value of the `ith` coin is `coins[i]`. You can **make** some value `x` if you can choose some of your `n` coins such that their values sum up to `x`.

Return the *maximum number of consecutive integer values that you **can make** with your coins **starting** from and **including** 0*.

Note that you may have multiple coins of the same value.

Example 1:

Input: `coins = [1,3]`
Output: `2`
Explanation: You can make the following values:
- 0: take []
- 1: take [1]
You can make 2 consecutive integer values starting from 0.

Example 2:

Input: `coins = [1,1,1,4]`
Output: `8`
Explanation: You can make the following values:
- 0: take []
- 1: take [1]
- 2: take [1,1]
- 3: take [1,1,1]
- 4: take [4]
- 5: take [4,1]
- 6: take [4,1,1]
- 7: take [4,1,1,1]
You can make 8 consecutive integer values starting from 0.

Example 3:

Input: `nums = [1,4,10,3,1]`
Output: `20`

Constraints:

- `coins.length == n`
- `1 <= n <= 4 * 104`
- `1 <= coins[i] <= 4 * 104`

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```
1 class Solution {
2     public int getMaximumConsecutive(int[] coins) {
3
4     }
5 }
```