1798. Maximum Number of Consecutive Values You Can Make

Description

You are given an integer array `coins` of length `n` which represents the `n` coins that you own. The value of the `i`th 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`
- $1 <= n <= 4 * 10^4$
- $1 <= coins[i] <= 4 * 10^4$