322. Coin Change

Difficulty: Medium

https://leetcode.com/problems/coin-change

You are given an integer array coins representing coins of different denominations and an integer amount representing a total amount of money.

Return *the fewest number of coins that you need to make up that amount.* If that amount of money cannot be made up by any combination of the coins, return -1.

You may assume that you have an infinite number of each kind of coin.

Example 1:

```
Output: 3
Explanation: 11 = 5 + 5 + 1

Example 2:

Input: coins = [2], amount = 3
Output: -1

Example 3:

Input: coins = [1], amount = 0
Output: 0
```

Input: coins = [1,2,5], amount = 11

Constraints:

```
    1 <= coins.length <= 12</li>
    1 <= coins[i] <= 2<sup>31</sup> - 1
    0 <= amount <= 10<sup>4</sup>
```