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:**

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

**Constraints:**

* 1 <= coins.length <= 12
* 1 <= coins[i] <= 231 - 1
* 0 <= amount <= 104