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Description

Solution

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322. Coin Change

Medium 11842 272 Add to List Share

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`

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```
class Solution {
    public int coinChange(int[] coins, int amount) {
    }
}
```

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Problems

Pick One

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