# 322. Coin Change

## SOLUTION IN JAVA

class Solution {

public int coinChange(int[] coins, int amount) {

// dp[i] := the minimum number of coins to make up i

int[] dp = new int[amount + 1];

Arrays.fill(dp, 1, dp.length, amount + 1);

for (final int coin : coins)

for (int i = coin; i <= amount; ++i)

dp[i] = Math.min(dp[i], dp[i - coin] + 1);

return dp[amount] == amount + 1 ? -1 : dp[amount];

}

}