AlgoExpert

Quad Layout

12px

Sublime

Monokai

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Prompt

Scratchpad

Video Explanation Run Code

Your Solutions

Solution 1 Solution 2

```
Solution 1
```

Our Solution(s)

```
Run Code
```

27 } 28

```
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.
    using System;
    public class Program {
      // O(nd) time | O(n) space
      public static int MinNumberOfCoinsForChange(int n, int[] denoms) {
        int[] numOfCoins = new int[n + 1];
        Array.Fill(numOfCoins, Int32.MaxValue);
        numOfCoins[0] = 0;
        int toCompare = 0;
12
        foreach (int denom in denoms) {
13
          for (int amount = 0; amount < numOfCoins.Length; amount++) {</pre>
            if (denom <= amount) {</pre>
14
              if (numOfCoins[amount - denom] == Int32.MaxValue) {
16
                toCompare = numOfCoins[amount - denom];
17
              } else {
18
                toCompare = numOfCoins[amount - denom] + 1;
19
20
              numOfCoins[amount] =
                Math.Min(numOfCoins[amount], toCompare);
22
24
25
        return numOfCoins[n] != Int32.MaxValue ? numOfCoins[n] : -1;
26
```

```
1 public class Program {
     public static int MinNumberOfCoinsForChange(int n, int[] denoms) {
      // Write your code here.
```

Solution 3

Custom Output Raw Output Submit Code

Run or submit code when you're ready.