AlgoExpert

Solution 1

Quad Layout

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12px

Your Solutions

Sublime

Monokai

00:00:

Run Code

Our Solution(s)

```
Run Code
```

```
1\, // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
    #include <vector>
    #include <climits>
    using namespace std;
    // O(nd) time | O(n) space
     int minNumberOfCoinsForChange(int n, vector<int> denoms) {
      vector<int> numOfCoins(n + 1, INT_MAX);
      numOfCoins[0] = 0;
      int toCompare = 0;
12
      for (int denom : denoms) {
13
        for (int amount = 0; amount < numOfCoins.size(); amount++) {</pre>
14
          if (denom <= amount) {</pre>
            if (numOfCoins[amount - denom] == INT_MAX) {
16
              toCompare = numOfCoins[amount - denom];
            } else {
17
18
              toCompare = numOfCoins[amount - denom] + 1;
19
20
            numOfCoins[amount] = min(numOfCoins[amount], toCompare);
21
22
        }
24
25 }
      return numOfCoins[n] != INT_MAX ? numOfCoins[n] : -1;
```

Solution 1 Solution 2 Solution 3

```
#include <vector>
using namespace std;

int minNumberOfCoinsForChange(int n, vector<int> denoms) {
    // Write your code here.
    return -1;
}
```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.