Our Solution(s)

Run Code

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Your Solutions Run Code
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Solution 1
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3
   import java.util.Arrays;
5 class Program {
     // O(nd) time | O(n) space
 6
     public static int minNumberOfCoinsForChange(int n, int[] denor
       int[] numOfCoins = new int[n + 1];
9
       Arrays.fill(numOfCoins, Integer.MAX_VALUE);
10
      numOfCoins[0] = 0;
11
       int toCompare = 0;
12
       for (int denom : denoms) {
13
         for (int amount = 0; amount < numOfCoins.length; amount++</pre>
            if (denom <= amount) {</pre>
14
15
              if (numOfCoins[amount - denom] == Integer.MAX_VALUE) .
16
                toCompare = numOfCoins[amount - denom];
17
              } else {
18
                toCompare = numOfCoins[amount - denom] + 1;
19
20
              numOfCoins[amount] = Math.min(numOfCoins[amount], toCo

21
            }
         }
23
24
        return numOfCoins[n] != Integer.MAX_VALUE ? numOfCoins[n] :
25
26 }
27
```



Run or submit code when you're ready.