



Prompt

Scratchpad

Our Solution(s)

Video Explanation

Run Code

Difficulty: ☐ Category: ☐ Successful Submissions: 36,293+

## Non-Constructible Change ☐ ★

Given an array of positive integers representing the values of coins in your possession, write a function that returns the minimum amount of change (the minimum sum of money) that you **cannot** create. The given coins can have any positive integer value and aren't necessarily unique (i.e., you can have multiple coins of the same value).

For example, if you're given `coins = [1, 2, 5]` the minimum amount of change that you can't create is `4`. If you're given no coins, the minimum amount of change that you can't create is `1`.

### Sample Input

```
coins = [5, 7, 1, 1, 2, 3, 22]
```

### Sample Output

```
20
```

## Hints

### Hint 1

### Hint 2

### Hint 3

### Hint 4

## Optimal Space & Time Complexity

Solution 1

Soluti

```
1  ▼ import java.u
2
3  ▼ class Program
4
5      public int
6          int chang
7          Arrays.so
8
9  ▼      for(int i
10         // Syste
11  ▼      if(i >
12          retur
13      }
14      // }else
15          chang
16      // }
17  }
18      return ch
19  }
20  }
21
```

Cust Submit Code

Run or sub  
when you'

Tests Quick Test Sandbox

