

Greedy Change-Making Algorithm: Procedure

Algorithm Procedure:

Receive an **array** $d[]$ of n denominations (with $n \geq 1$), an empty array $c[]$ of size n , and a quantity of change to be returned q .

for $i = 1$ **to** r

 set coinCount equal to 0

while the amount of change q is greater than or equal to the current denomination $d[i]$

 increment coinCount by 1

 subtract the value of current denomination $d[i]$ from quantity of change to be returned q

after each iteration of the for-loop, store the number of coins of denomination $d[i]$ into array $c[]$ in order to store the values, so that they may be displayed in the main function