

## Making change with two coins

We can initialize the first 12 values using what we figured out before (i.e., for  $x = 1, 2, \dots, 12$  we already know the answers).

Now suppose we have figured out the correct values for  $Change[x]$  for all  $x = 1, 2, \dots, N$ .

Suppose we could make change for  $x - 7$  or  $x - 5$  using 5 cent and 7 cent coins.

Then we could definitely make change for  $x$  cents by adding one of those coins!