

Change Please

Intermediate - java

You're building an ATM and are tasked with determining how many different ways you can "break" a given amount of money into different bills.

Given an input amount of money `inputMoney` and an array of values `coins` representing the possible denominations of coins the ATM can give back, complete the method `changeOptions(inputMoney, coins)` so that it returns the number of different ways the ATM could give you change.

For example, `changeOptions(5, [1, 2, 5, 10, 100])` should return `4`. This is because there are `4` unique ways that the ATM can give change for `5`:

- $1 + 1 + 1 + 1 + 1$
- $1 + 1 + 1 + 2$
- $1 + 2 + 2$
- 5

You can assume `inputMoney` is positive and you can assume `coins` has at least one value.

This challenge was reported to have been asked at interviews with Facebook, as well as right here at Codecademy! If you've covered the material in [Pass the Technical Interview with Java](#) or an equivalent, you should be able to solve this challenge. If you have trouble, try refreshing your knowledge there first.