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## Your quirky boss collects rare, old coins...

They found out you're a programmer and asked you to solve something they've been wondering for a long time.

Write a function that, given:

1. an amount of money
2. a list of coin denominations

computes the number of ways to make the amount of money with coins of the available denominations.

**Example:** for amount=4 (4¢) and denominations=[1, 2, 3] (1¢, 2¢ and 3¢), your program would output 4—the number of ways to make 4¢ with those denominations:

1. 1¢, 1¢, 1¢, 1¢
2. 1¢, 1¢, 2¢
3. 1¢, 3¢
4. 2¢, 2¢

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