Problem #4

Making Change

You are a manager at a local fast food restaurant. You find that your employees spent about on average 2 minutes making change per transaction. At $10/hr to employee someone, thats $0.33 per transaction you loose on making change. Given that you serve about 100 customers/day , thats $33 dollars you loose every day. You think to yourself, “Jee-wiz, can't this be automated?”

The first step, which is your challenge is given an amount, how many 10's,5's,1's,quarters, dimes, nickels, and pennies (you don't accept bills larger than 20's) does your hypothetical machine dispense to the customer ideally, minimizing the amount of items dispensed, assuming that you have an infinite supply of coins and paper bills to dispense.

Input

A currency amount to be dispensed followed by a newline.

Output

For each item 10's,5's,1's,quarters,nickels, and dimes the number to dispense followed by a space and then the item with a comma in between the items.

Sample input 1
$12.47

Sample output 1
1 10, 0 5, 2 1, 1 q, 2 d, 0 n, 2 p

Sample input 2
$9.75

Sample output 2
0 10, 1 5, 4 1, 3 q, 0 d, 0 n, 0 p