

2113 It's time for change

“Louie, I bet you that there are over 200 ways to make change for a dollar.”

“You’re on Frankie, there are only 5 coins and its only 100 cents. Everyone knows there can only be 100 different ways.”

“Oh yeah, I can prove it. Watch.”

Write a program that determines the number of ways the following US coins can be combined to make amounts of money up to and including 2 dollars.

Penny - \$0.01
Nickel - \$0.05
Dime - \$0.10
Quarter - \$0.25
Half Dollar - \$0.50



Input

The input will consist of a sequence of lines, each line indicating the amount of change required. Input terminates with a value of ‘0’.

Output

For each input value, a line indicating ‘There are X ways to make $\$Y$ ’ where X is the number of ways, and Y is the input value. Each input set should have one line of output.

After all inputs sets have been run, the program will print ‘End of Output’.

Sample Input

```
1.00
0.51
0
```

Sample Output

```
There are 292 ways to make $1.00
There are 50 ways to make $0.51
End of Output
```