

# Problem E: The Banana Hoard

In their travels across Kong Isle, five members of the Kong family come across a large hoard of bananas. The five members (Donkey Kong, Cranky Kong, Dixie Kong, Diddy Kong and Funky Kong) decide to share the bananas evenly. As it is getting late, they decide to go to sleep and split the bananas the next morning.

During the night, however, Donkey Kong wakes up. He decides he doesn't trust the other apes and wants his share early. He sneaks over to the pile of bananas and takes  $\frac{1}{5}$  of them for himself. If the pile doesn't divide evenly by 5, he eats the remaining banana(s). He sneaks back to his sleeping area with this share of bananas.



Later in the night, Cranky Kong wakes up and does the same thing. He sneaks up to the pile and takes  $\frac{1}{5}$  of whatever Donkey Kong left back to where he is sleeping. If the pile doesn't divide evenly by 5, he also eats the remainder.

The other three members of the Kong family, (Dixie, Diddy and Funky), do the same thing, in that order.

When morning comes, the Kongs evenly divide the (much smaller) pile of bananas into 5 equal shares. Each Kong adds this share to the bananas they stole over the night. If any bananas are remaining when this pile is divided by 5, they bake them into a banana creme pie.

## Input

Input will consist of a single line, giving an integer  $N$ , the number of bananas the Kongs start with.  $N$  will be at least 25 and no more than 1,000,000.

## Output

Your program should output how many bananas each member of the Kong family received total, along with how many they secretly ate. You should print the totals for the Kongs in the same order as they woke up in. The last line of output should state how many bananas were baked into the pie.

## Sample Input

100

## Sample Output

```
Donkey Kong has 25 bananas, and ate 0.  
Cranky Kong has 21 bananas, and ate 0.  
Dixie Kong has 17 bananas, and ate 4.  
Diddy Kong has 14 bananas, and ate 3.  
Funky Kong has 12 bananas, and ate 1.  
3 bananas were baked into a pie.
```