0. In how many different ways can you arrange the letters DIABOLICAL

So no two I's are consecutive, no two L's are consecutive and no two A's are consecutive?

2. I have two cups. One contains 100mL of milk, the other 100mL of coffee.

A teaspoon of milk is taken from the first cup and put into the second.
Then it is mixed thoroughly.
Then a teaspoon of the coffee/milk mixture is transferred back into the milk cup.
Is there more coffee in the first cup or milk in the second?