


# 1518. Water Bottles

Solved 

Easy

 Topics

 Companies

 Hint

There are `numBottles` water bottles that are initially full of water. You can exchange `numExchange` empty water bottles from the market with one full water bottle.

The operation of drinking a full water bottle turns it into an empty bottle.

Given the two integers `numBottles` and `numExchange`, return *the **maximum** number of water bottles you can drink*.

```
class Solution {
    func numWaterBottles(_ numBottles: Int, _ numExchange: Int) ->
Int {
    var ans = numBottles
    var remaing = numBottles

    while(remaing >= numExchange ) {
        var temp = remaing/numExchange
        ans = ans + temp
        remaing = temp + remaing%numExchange
    }

    return ans
}
}
```