1518. Water Bottles

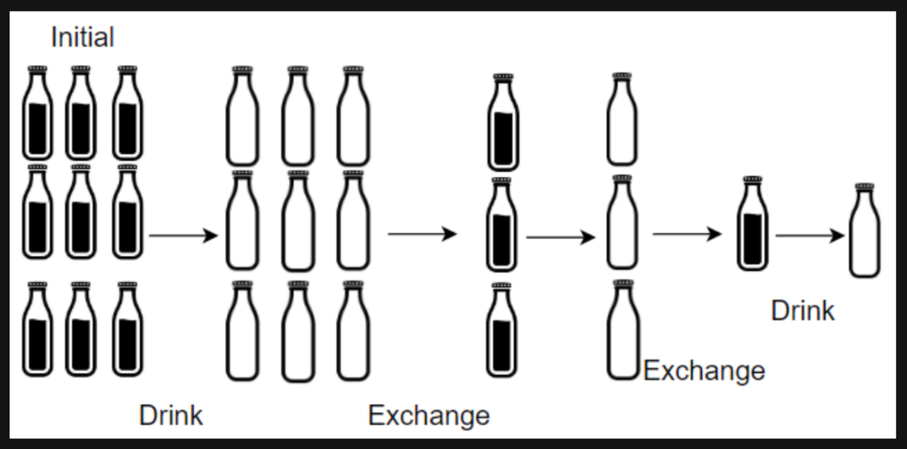
Description

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.

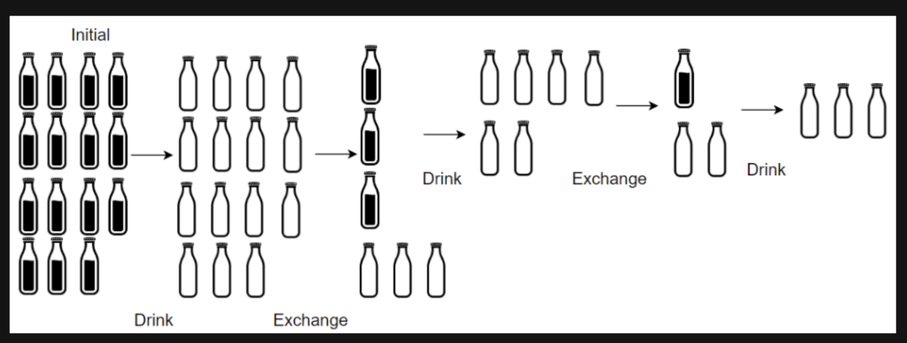
Given the two integers `numBottles` and `numExchange`, return *the* ***maximum*** *number of water bottles you can drink*.

Example 1:




```
Input: numBottles = 9, numExchange = 3
Output: 13
Explanation: You can exchange 3 empty bottles to get 1 full water bottle.
Number of water bottles you can drink: 9 + 3 + 1 = 13.
```

Example 2:




```
Input: numBottles = 15, numExchange = 4
Output: 19
Explanation: You can exchange 4 empty bottles to get 1 full water bottle.
Number of water bottles you can drink: 15 + 3 + 1 = 19.
```

Constraints:

- `1 <= numBottles <= 100`
- `2 <= numExchange <= 100`