

30 DAYS CODING

DAY 1

Write a Java program for the below given word problem:

Given number cold coffee bottles, you can exchange empty bottles for one full cold coffee bottle.

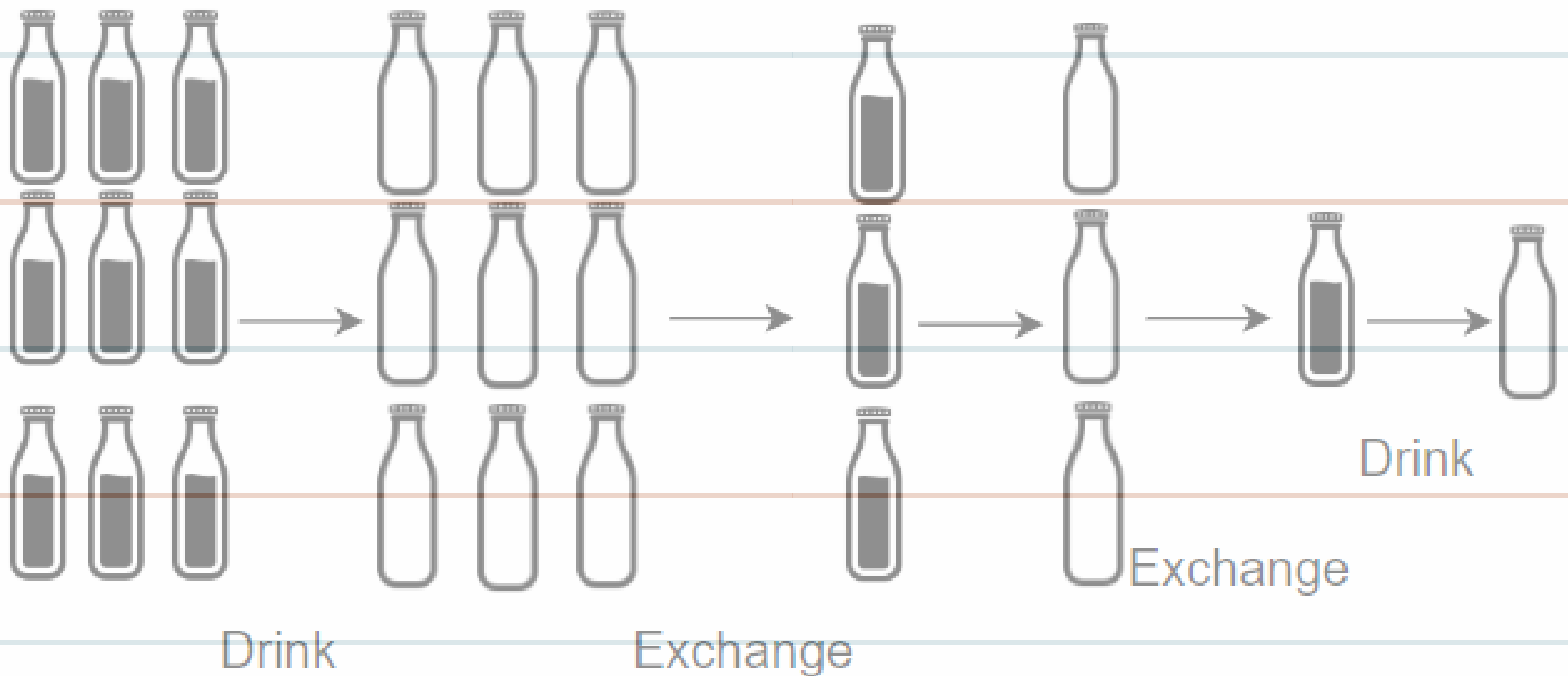
The operation of drinking a full cold coffee bottle turns it into an empty bottle.

Return the maximum number of cold coffee bottles you can drink.

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Example 1



Number of cold coffee bottles = 9

Number of exchange = 3

Expected Output = 13

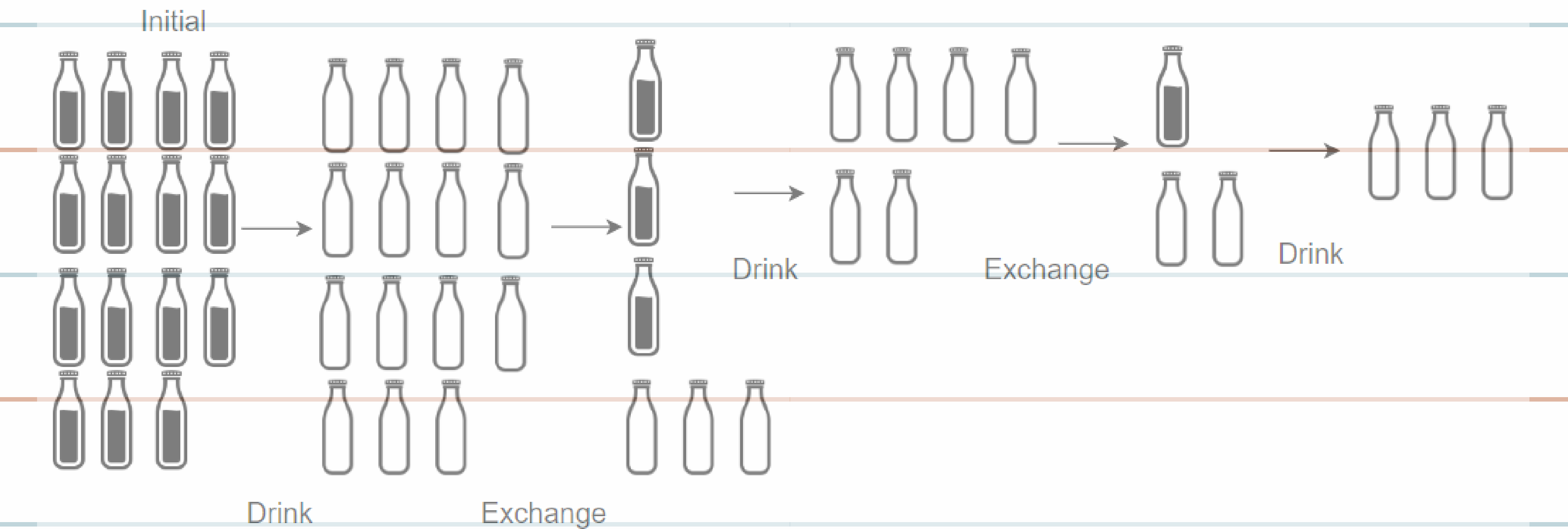
Explanation: You can exchange 3 empty bottles to get 1 full coffee bottle.

Number of coffee bottles you can drink: $9 + 3 + 1 = 13$.

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Example 2



Number of cold coffee bottles = 15

Number of exchange = 4

Expected Output = 19

Explanation: You can exchange 4 empty bottles to get 1 full coffee bottle.

Number of coffee bottles you can drink: $15 + 3 + 1 = 19$.