

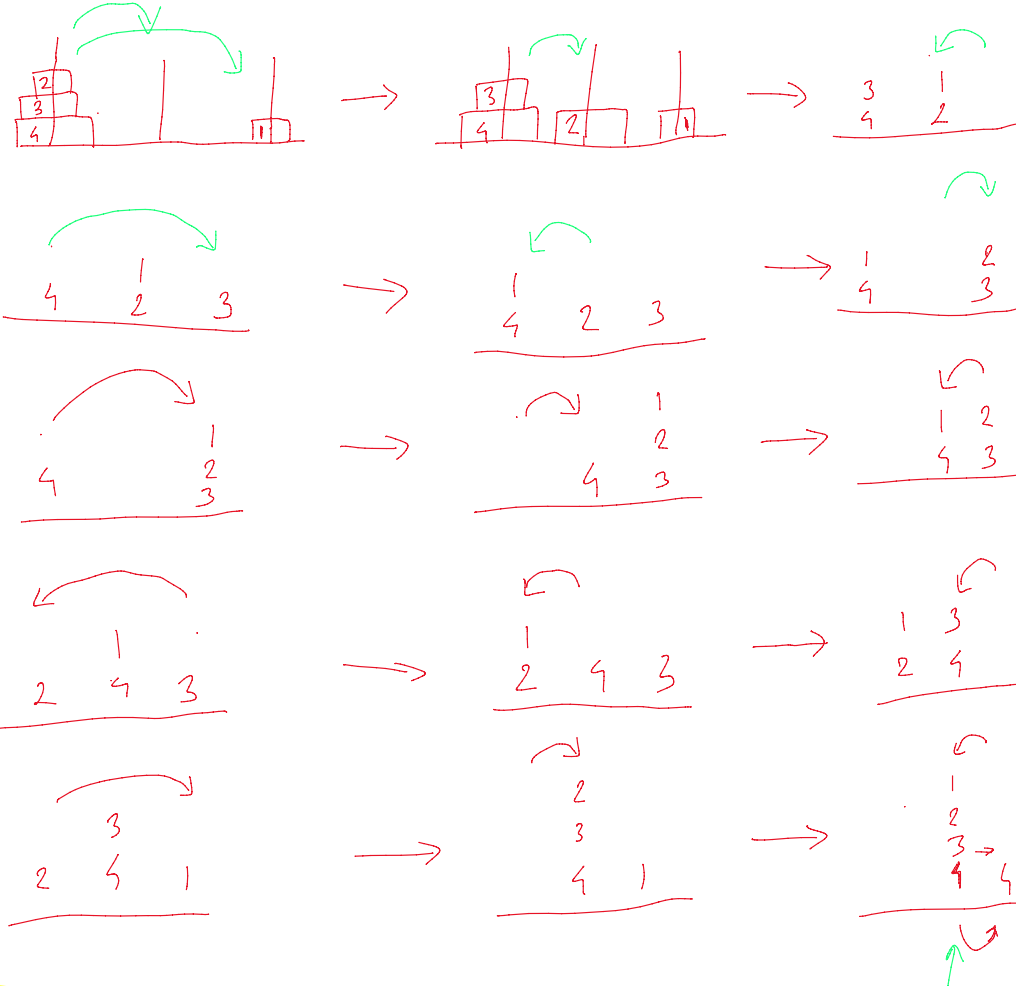
4

$1 \cdot 2$

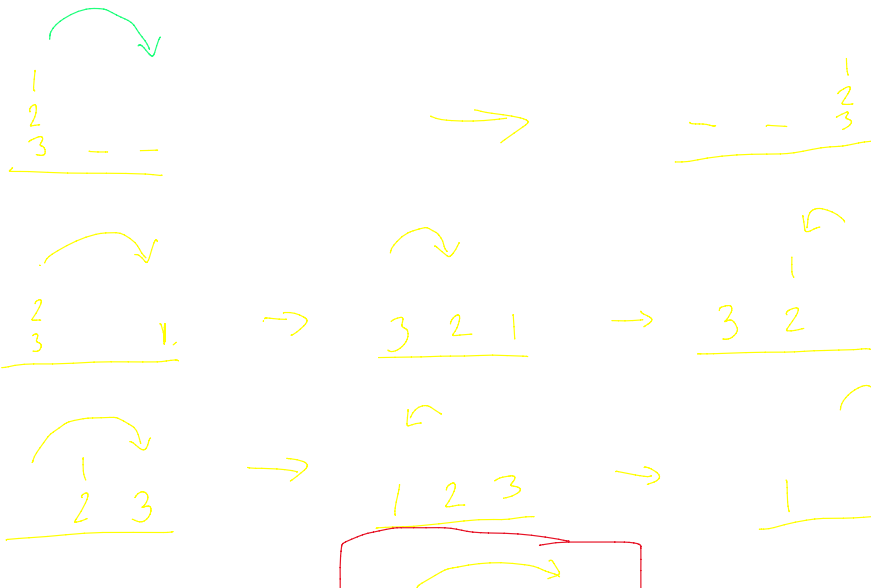
$1 \rightarrow 2$

$1 \rightarrow 3$

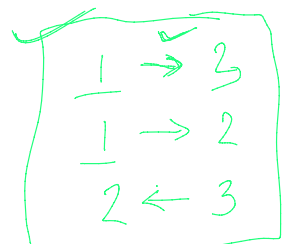
$2 \rightarrow 3$



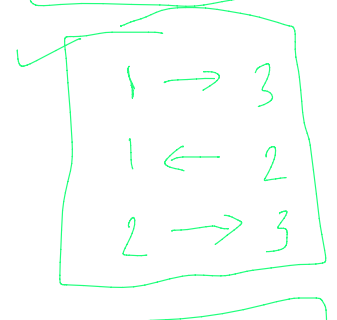
$3 \cdot 2 =$



3



3



2 3



1

2 → 3

✓ Break;

intfix

$\Rightarrow (A + (B \times C))$

$\Rightarrow ABC*$

$= A \times +$

BC* = x
Postfix

$= \boxed{ABC*+}$

A + B

↓

A B + Postfix

+ A B Prefix

Prefix = + $\boxed{\times B C} A$

$\boxed{A B C * +}$

$\boxed{A Z +} =$
ans

n

Postfix

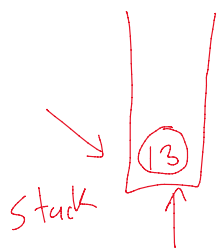
$3 + (5 \times 2) =$
Postfix

0-9
↓

* /
+ -

"3 5 2 * +"
↑ ↑ ↑ ↑ ↑

0 → n



Binary

$10 + 3 = \underline{13}$

$2 \times 5 = 10$

Ans = top()

... → 1 → R

Ans = top()

$$A + (B \times C) - (D / E) \Rightarrow$$

$$A B C * + D E / -$$

- 1 () { } [] L → R
- 2 ^ R → L
- 3 * / L → R
- 4 + - L → R

$$(3 + ((2 \times 4) - (9 / 3))) = 324 \times (+) 93 / -$$

$$3 \ 24 \times \ 93 \ 0 - +$$

$$\begin{bmatrix} 4 \\ 2 \\ 3 \end{bmatrix}$$

$$\begin{matrix} 3 \leftarrow 01 \\ 9 \leftarrow 02 \end{matrix}$$

$$\boxed{3 / 9}$$

$$\checkmark O(\log n + \log m)$$

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

$$O(m + n)$$

1	5	9	10
2	6	7	12
3	8	15	16
4	11	18	20