Postfix Expression

Infix $a + b - c * d + f$

Postfix $\Rightarrow ab+ \quad cd* - f+$

$a + b * c \quad \Rightarrow \quad abc*+$

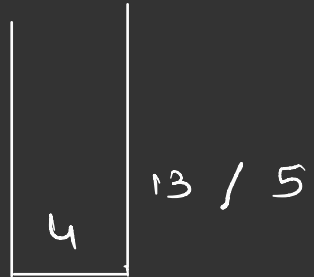$a * b + c \quad \Rightarrow \quad ab* c +$

Ques Evaluate postfix

$2\ 1 + 3*$

$4\ 13\ 5\ / +$
       ↑

4

13 / 5

$4 + 13 / 5$

4

1 3   2   4

Ques Infix to postfix

a + b * c ⟹ a b c * +

d / a * b + c ^ 2

↑

∧
/
*
+
−

```
| b |
| a |  | * |
| d |  | / |
 ①      ②
```

operand

↦ push in ①

operator

if isEmpty or top has less precedence
↳ push in ②

else ⟹ pop and convert from ② and ①

1 + 2 * 3 + 4 / 5

2 3 *   4 5 /

∧   1 2 3 * 1
* /   1 2 3 * + 4 5 / —
+ —

1 + 2 * 3 — 4 / 5

↑

1 2 3 * + 4 5 / —

∧	3
*	2
/	2
+	1
—	1
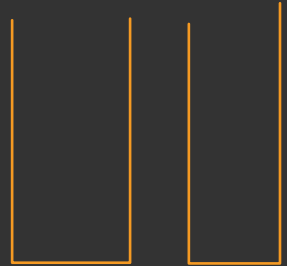
Qus Next greater Element

↓   1   2   9   3   1   4   0   7
    2   9   -1 4   4   7   7   -1

for (end → 0)
    if st. peek()
        while (————)

```
1
2
.9
```

Ques Merging Intervals

Ques Meeting Rooms