

20.10.4

the ~~pushed~~ return in the Queue

"3 + (4+5) * (3+5) + 4 * 5"

→ operand Stack

→ operator Stack

tokens = ['3', '+', '(', '4', '+', ')', ' ', '+', '4', '*', '3', '+', '5', ' ', '*', '5']

blank space? no

↳

+ or - ? no

↳

* or / ? no

↳

'(' ? no

↳

')' ? no

↳

operator Stack = [3]

blank space? no

↳

+ or - ? yes

operator Stack = { 3, + }

operator Stack = { 3, +, (, 4 } ↳

operator Stack = { 3, +, (, 4, + } ↳