Reversed Polish Notation

Ex:

7 7 x 7 − = 42

↓

res = 7

if (!isdigit(s[0])) exit

if (!isdigit(s[i]) && s[i] !=

'x' '−' '+' '/'

else if (s[i] != ' ' && (s[i+1] != ' ' || s[i+1]))

7 7 x 7 −

↳ 7 x 7 − 7

1 2 x 2 / 2 x 2 4 − +

(1 x 2) / 2 x 2 + (2 − 4)

2 ... 2 ... −2

| 1 | 2 | x | 2 | / | 2 | x | 2 | 4 | − | + |

res

↓ res = s[0] (atoi) popback

| 2 | x |

tab[1] ↘ while (i > 0) { popback(tab); } i = 0;

res = 1 x 2 = 2

| 2 | / |

tab[2] ↗ popback

res = res [2] / 2 = 1

| 2 | x |

tab[1]

res = res x 2 = 2

while (num < op) (i++;)

?

| 2 | 4 | x | + |

a sortir

x popback ...

test pour res = 3

3 + (2 x 4) = 11

res = 2

res = 2 + (2 x 4)

remove / replace

1 2 3 4 + − x

↳ 4 + 3 = 7

2 − 7 = −5

1 x −5

it (3 4 +) || res

i−2 i−1 i

res = 3 + 4

1 2 res − x

1 res x = res