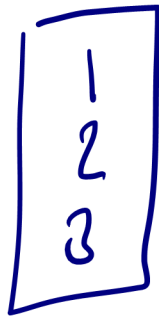
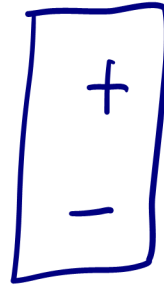


* No parenthesis case:

$$1 + 2 - 3$$



operands



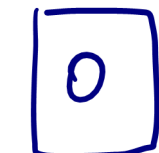
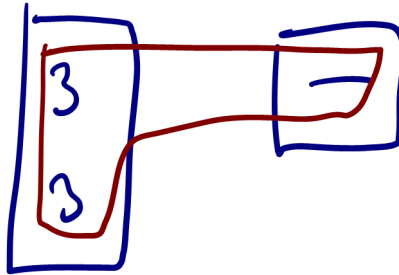
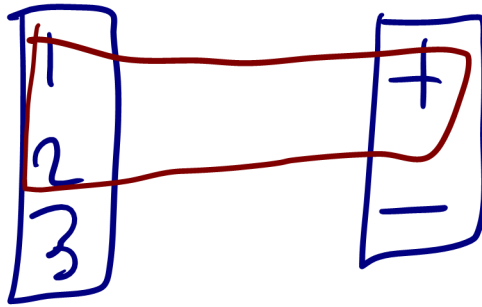
operators

precedence: $/$, $*$, $+$, $-$

* First evaluate all $/$ in order

* Then evaluate all $*$ in order

:



result



empty

$$1 + 2 * 4 / 5 + 6 - 7 / 2 * 3$$

3
2 *
7 /
6 -
5 +
4 /
2 *
1 +

1 +
2 *
4 /
5 +
6 -
7 /
2 *
3

1 +
2 *
0 +
6 -
7 /
2 *
3

1 +
2 *
0 +
6 -
3 *
3

1 +
0 +
6 -
3 *
3

1 +
0 +
6 -
9

1 +
6 -
9

7 -
9

-2

empty

$$1 + 2 * 4 / 5 + 6 - 7 / 2 * 3$$

3	*				
2	/	3		*	
7	-	7		/	
6	+	6		-	
5	/	5	1	+	+
4	*	4	2	1	*
2	+				
1					

3		*	
2		/	+
7	1	-	*
6	2	+	

$$4 / 5 = 0$$

3		*	
2		/	+
7	1	-	*
6	2	+	
0			

3		1	+
2	*	2	*
7	/	0	+
		6	-

3	*	1	+
		2	*
		0	+
		6	-

$$7 / 2 = 3$$

3
3 *

1
2
0
6
+
*
+
—

1
2
0
0
6
3
3
+
*
+
—
*

3
3
6
0
2
1
*
—
+
*
+

↙ return to the
original stack