

+ -

$$\frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{\sqrt{3}} + \frac{\sqrt{3}}{\sqrt{3}$$

0 1	2 3	3	u	7_	6	. 7	г	9	10	('
5' 6'	′ لاٍ	7	`+'	`1'	<b>'</b> ۹'	, 'x'	<u> ,</u>	   <sub> </sub>	/ <sub>+</sub> -'	`\ o`

Ele	Strek	ELE	Strick
<b>'</b> 5'	5	'1'	8,1
<b>'</b> ໒'	5, 6	١,٨,	8,1,4
י 2'	5,6,2	` <b>×</b> `	8,4
<i>'</i> 1 ′	5, 3	'-'	4
<u>'</u> +'	8	۱۲'	4,7
		ens	المرهم

## Algorithm For Evaluating a Postfix Expression

- 1. Scan the given POSTFIX expression from LEFT to RIGHT one character at a time.
- 2. Check whether the character is an OPERAND or OPERATOR.
- 3. If it is an OPERAND, then PUSH it in the STACK
- 4. If it is an OPERATOR then:
  - a. POP top 2 operands from the STACK  $\,$
  - b. Apply the operator on them
  - c. PUSH the result back in the STACK
- 5. Repeat the above process until the POSTFIX expression finishes
- 6. POP the only remaining element from the STACK and return it as the answer of the expression
- 7. Finish