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 Professor Dong
 CS 2400
 March 8, 2021

Task 4

Infix: $a * b / (c - a) + d * e$

Postfix: $ab * ca - /de * +$

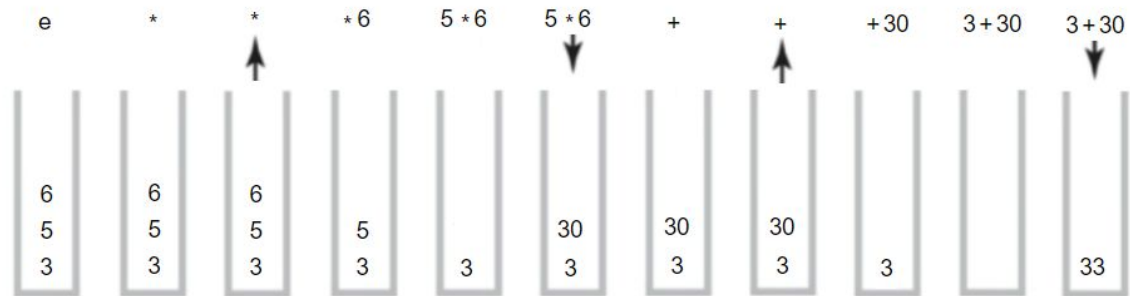
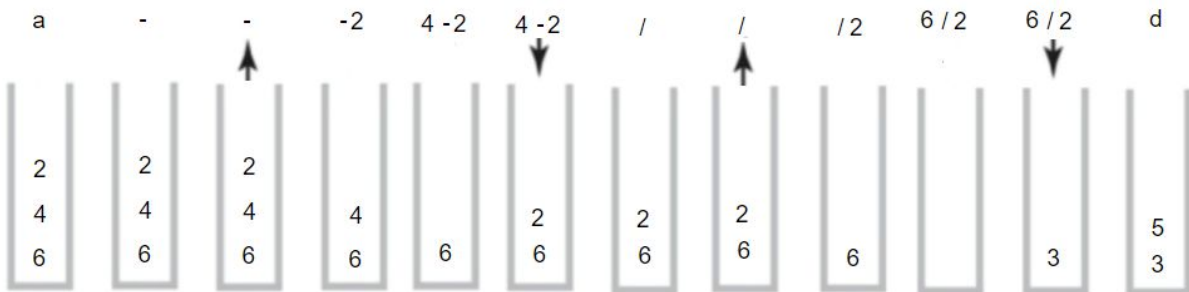
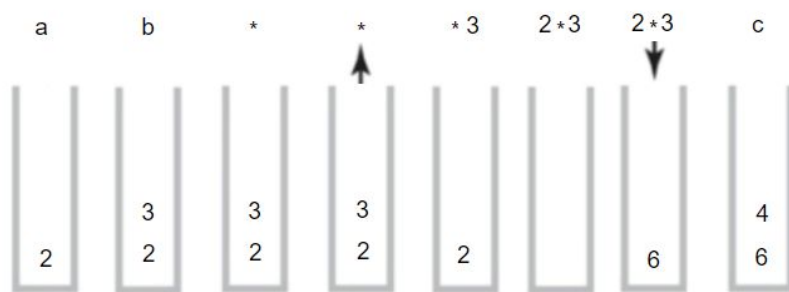
Evaluate: $a=2$, $b=3$, $c=4$, $d=5$, and $e=6$.

Answer: 33.

Value	Expression
2	$\leftarrow a$
2 3	$\leftarrow b$
2 3	$*$
2 3	$\rightarrow *$
2	$* 3$
2	$\rightarrow * 3$
	$2 * 3$
6	$\leftarrow 2 * 3$
6 4	$\leftarrow c$
6 4 2	$\leftarrow a$
6 4 2	$-$
6 4 2	$\rightarrow -$
6 4	$- 2$
6 4	$\rightarrow - 2$
6	$4 - 2$
6 2	$\leftarrow 4 - 2$

6 2	/
6 2	\rightarrow /
6	/ 2
6	\rightarrow /2
	6 / 2
3	\leftarrow 6/2
3 5	\leftarrow d
3 5 6	\leftarrow e
3 5 6	*
3 5 6	\rightarrow *
3 5	* 6
3 5	\rightarrow * 6
3	5*6
3 30	\leftarrow 5*6
3 30	+
3 30	\rightarrow +
3	+ 30
3	\rightarrow + 30
	3 + 30
33	\leftarrow 3 + 30

By: Josh (Another table on next page).



By: Russell