No.

Yosua Wibisono Gozali 2802539942 Date

1. (6-3) * (1+8) - 2 * (4+2)

a. Postfix

	Stack	Curr	Char
1	(-)		63
2	*(+)		63-18
3	*	≥ -	63-18+
4	-	≤ *	63-18+*2
5	-*(+)		63-18+*242
6	-*		63-18+*242+
7			63-18+*242+*-

b. Prefix

Reverse :)2+4(*2-)8+1(*)3-6(

	Stack	Curr	Char
1	)+(		24
2	*	-	24+2
3	-)+(		24+2*81
4	-	*	24+2*81+
5	-*)-(		24+2*81+36
6	-*		24+2*81+36-
7			24+2*81+36-*-

Reverse : -*-63+18*2+42

c. Post fix : 63-18+*242+*-

1. (6-3) 18+*242+*-
2. ((6-3) (1+8) *242+*-
3. (6-3) * (1+8) 242+*-
4. (6-3) * (1+8) 2 (4+2) *-
5. (6-3) * (1+8) 2 * (4+2) -
6. (6-3) * (1+8) - 2* (4+2) = 15

Prefix : -*-63+18*2+42

1. -*-63+18*2 (4+2)
2. -*-63+18 2*(4+2)
3. -*-63(1+8) 2*(4+2)
4. -* (6-3) (1+8) 2*(4+2)
5. -(6-3) * (1+8) 2*(4+2)
6. (6-3)*(1+8) - 2*(4+2) = 15

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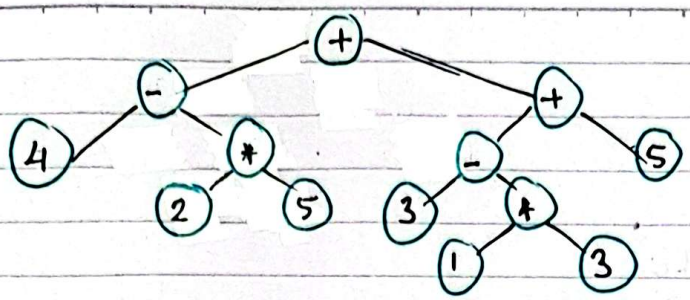
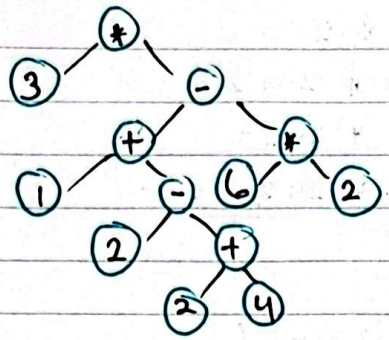
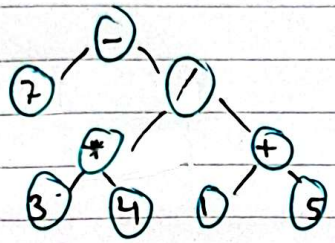
2. a.



b.



c.



d. Inorder : ((a + b) * c) - ((d - e) / f) + ((g * h) - i)

e. Preorder : - - + a - * b c d / e + f g h

f. Postorder : a b / c + d / e * f g + h - -

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3. - Input → Hash Code

① pineaple → 112 * 105 * 110 * 101 * 97 * 112 * 108 * 101
45 → 15.483.041 [1] 09.043.200 → len = 17
→ 1 % 200 = 1 (Hash)

② papaya → 112 * 97 * 112 * 97 * 121 * 97
32 → 1385.27[6].983.552 → len = 13
→ 6 % 200 = 6 (Hash)

③ banana → 98 * 97 * 110 * 97 * 110 * 97
12 → 1.082.24[7].643.400 → len = 13
→ 7 % 200 = 7 (Hash)

④ coconut → 99 * 111 * 99 * 111 * 110 * 117 * 116
67 → 180.282.2[1]1.003.320 → len = 15
→ 1 % 200 = 1 (Hash)
→ (1+1) % 200 = 2 (Hash)

#1 | pineaple - 45
#2 | coconut - 67
:
#6 | papaya - 32
#7 | banana - 12
:
#200 | Null