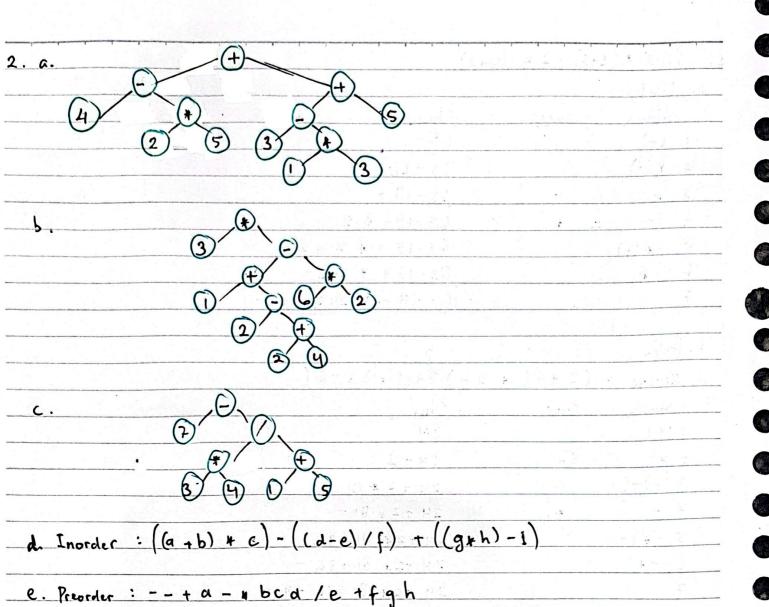
| 1. (6-3) * (1+8) - 2 * (4+2) a. Post A Stack | a. Postfrx Stack Curr 1 (-) | Chac |
|--|-------------------------------|--|
| Stack Curr Char 1 (-) 65 2 * (+) 63 - 18 3 * 2 - 63 - 18 + 2 5 - * (+) 63 - 18 + * 2 42 6 - * 63 - 18 + * 2 42 7 - 63 - 18 + * 2 42 + * - 7 63 - 18 + * 2 42 + * - 7 63 - 18 + * 2 42 + * - 7 63 - 18 + * 2 42 + * - 7 63 - 18 + * 2 42 + * - 7 63 - 18 + * 2 42 + * - 7 63 - 18 + * 2 42 + * - 7 63 - 18 + * 2 42 + * - 7 64 - 24 2 * - 24 + 2 * 81 4 - * 24 + 2 * 81 5 - * (24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 8 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 8 - 24 + 2 * 81 + 36 - 7 7 - 24 + 2 * 81 + 36 - 7 8 - 24 + 2 * 81 + 36 - 7 9 - 24 + 2 * 81 + 36 - 7 1 - * - 63 + 18 * 2 + 42 2 - (6-3) [18) * 242 + * - 7 2 - (6-3) [18) * 242 + * - 7 4 - * - 63 (1 + 8) 2 * (4 + 2) 4 - * - 63 (1 + 8) 2 * (4 + 2) 5 (6-3) * (1 + 8) 2 * (4 + 2) 6 - (6-3) * (1 + 8) 2 * (4 + 2) 7 63 (1 + 8) 2 * (4 + 2) 8 - (6-3) * (1 + 8) 2 * (4 + 2) 9 - (6-3) * (1 + 8) 2 * (4 + 2) 9 - (6-3) * (1 + 8) 2 * (4 + 2) 9 - (6-3) * (1 + 8) 2 * (4 + 2) 9 - (6-3) * (1 + 8) 2 * (4 + 2) 9 - (6-5) * | Stack Curr | |
| 1 (-) 65 2 * (+) 63-18 3 * 2 - 63-18+* 4 - 4 * 63-18+* 2 42 5 -* (τ) 63-18+* 2 42 6 -* 63-18+* 242+ 7 | 1 (-) | |
| 2 * (+) 3 * 2 - 63-18 + 4 - 4 | | / 1 |
| 3 * 2 - 63-18+ 4 - 4 * 63-18+ * 2 42 5 -*(+) 63-18 * * 2 42 6 - * 63-18 * * 242 * * -] b. Preps. Reverse: $) 2 + 4 (* 2 -) 8 + 1 (* *) 3 - 6 ($ Shock curr. Chor 1) + (24 + 2 * 81 + 2 * 81 + 2 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * | 2 * (+) | |
| 4 - 4 | | |
| 5 -*(+) 63-18 + * 2 4 2 6 -* 63-18 + * 242 + * 7 63-18 + * 242 + * 63-18 + * 242 + * 63-18 + * 242 + * 63-18 + * 242 + * 7 63-18 + * 242 + * 63-18 + * 242 + * 7 8 | | |
| 6 - * 63 - 18 + # 242 + # -] b. Prefix Revense:) 2 + 4 (* 2 -) 8 + 1 (*) 3 - 6 (Stack cuer Chor 1) + (24 2 * - 24 + 2 * 8 4 - * 24 + 2 * 8 4 - * 24 + 2 * 8 4 - * 24 + 2 * 8 5 - *) - (24 + 2 * 8 + 36 - * 5 - *) - (24 + 2 * 8 + 36 - * 7 24 + 2 * 8 + 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) 2 42 + * - 4 * 63 (1+8) 2 * (4+2) 6. (6-3) * (1+8) 2 * (4+2) - 6. (6-3) * (1+8) 2 * (4+2) - 6. (6-3) * (1+8) 2 * (4+2) - 7 3 - (6-3) * (1+8) 2 * (4+2) 6. (6-3) * (1+8) 2 * (4+2) - 7 3 - (6-3) * (1+8) 2 * (4+2) - 9 | | |
| C3-18 + # 242 + # - | | · 2 |
| b. Prefix Reverse:) 2 +4 (* 2 -) 8 +1 (*) 3 -6 (Stack curr. Chor 1) + (24 2 * - 24 + 2 * 8 4 - * 24 + 2 * 8 4 - * 24 + 2 * 8 5 - *) - (24 + 2 * 8 + 36 -) 7 24 + 2 * 8 + 36 -) 7 24 + 2 * 8 + 36 -) Reverse: - * - 63 + 18 * 2 + 42 c. Post fix: 63 - 18 + 242 + * - Prefix: - * - 63 + 18 * 2 + 42 1. (6-3) 18 + 242 + * - 2 * - 63 + 18 * 2 (4 + 2) 2. (6-3) (1+8) * 242 + * - 2 * - 63 + 18 * 2 (4 + 2) 3. (6-3) * (1+8) 2 4 2 + * - 3 * - 63 (1+8) 2 * (4 + 2) 4. (6-3) * (1+8) 2 (4+2) - 4 * (6-3) (1+8) 2 * (4+2) 6. (6-3) * (1+8) 2 * (4+2) - 5 (6-3) * (1+8) 2 * (4+2) 6. (6-3) * (1+8) 2 * (4+2) - 5 (6-3) * (1+8) 2 * (4+2) | | |
| Reverse: $)2+4(42-)8+1(x)3-6($ Shack cuer Chor 1)+(24 2x - 24+2 * 8 4 - 4 24+2 * 8 +36 6 - 4 24+2 * 8 +36-34-6 7 24+2 * 8 +36-34-6 Reverse: $-\frac{1}{2}$ -63+18 * 242+ * - Prefx: -4-63+18 * 2+42 1. (6-3) 18+ * 242+ * - Prefx: -4-63+18 * 2 (4+2) 2. (6-3) * (1+8) 2 42+ * - 2 - 4-63+18 * 2 (4+2) 4. (6-3) * (1+8) 2 42+ * - 3 * -63 (1+8) 2 * (4+2) 4. (6-3) * (1+8) 2 (4+2) * - 4 * (6-3) (1+8) 2 * (4+2) 5 (6-3) * (1+8) 2 * (4+2) - 5 (6-3) * (1+8) 2 * (4+2) 5 (6-3) * (1+8) 2 * (4+2) - 5 (6-3) * (1+8) 2 * (4+2) | | 103 10 1 7 212 |
| Reverse: $)2+4(42-)8+1(4)3-6($ Shack cuer Chor 1)+(24 24 24 - 24+2*8 4 - 4 24+2*8+4 5-4)-(24+2*8+36-4 6-4 24+2*8+36 7 24+2*8+36-3 Reverse: $-\frac{1}{2}-63+18+242$ c. Post fix: $63-18+4242+4$ 1. $(6-3)18+4242+4$ 2. $(6-3)18+4242+4$ 2. $(6-3)18+4242+4$ 2. $(6-3)18+4242+4$ 2. $(6-3)18+4242+4$ 3. $(6-3)18+4242+4$ 4. $(6-3)18+242+4$ 2. $(6-3)18+242+4$ 3. $(6-3)18+242+4$ 4. $(6-3)18+242+4$ 5. $(6-3)18+242+4$ 6. $(6-3)18+18+2142+4$ 7. $(6-3)18+242+4$ 8. $(6-3)18+18+2142+4$ 9. $(6-3)18+18+2142+4$ 1. $(6-3)18+18+2142+4$ 2. $(6-3)18+18+2142+4$ 3. $(6-3)18+18+2142+4$ 4. $(6-3)18+18+2142+4$ 5. $(6-3)18+18+2142+4$ 6. $(6-3)18+18+2142+4$ 7. $(6-3)18+18+2142+4$ 8. $(6-3)18+18+2142+4$ 9. $(6-3)18+18+2142+4$ | b. Pretix | |
| Stack Curr Chor 1)+(24) 2 * - 24 + 2 * 8 4 - * 24 + 2 * 8 + 36 - 5 - 4)-(24 + 2 * 8 + 36 - 7 7 24 + 2 * 8 + 36 - 7 Reverse: -4 - 63 + 18 * 2 + 42 c. Post fix: 63 - 18 + 242 + * - Prefix: -4 - 63 + 18 * 2 + 42 1. (6-3) 18 + 242 + * - Prefix: -4 - 63 + 18 * 2 + 42 2. (6-3) (1+8) * 242 + * - 2 - 4 - 63 + 18 * 2 (4+2) 3. (6-3) * (1+8) 2 42 + * - 3 - * - 63 + 18 2 * (4+2) 4. (6-3) * (1+8) 2 42 + * - 4 - 7 (6-3) (1+8) 2 * (4+2) 6. (6-3) * (1+8) 2 * (4+2) - 5 - (6-3) * (1+8) 2 * (4+2) 6. (6-3) * (1+8) 2 * (4+2) - 5 - (6-3) * (1+8) 2 * (4+2) | | 2-)8-1(*)3-6(|
| 1)+(24 2 * - 24+2 * 8 4 - * 24+2 * 8 4 - * 24+2 * 8 +36 - 5 - 4 -(24+2 * 8 +36 - 7 7 24+2 * 8 +36 - 7 Reverse: $-\frac{1}{7} - 63 + 18 + 242 + 42$ 1. $(6-3) \cdot 18+ $ | | |
| 2 * - 24 + 2 * 8 4 - * 24 + 2 * 8 5 - *) - (24 + 2 * 8 + 36 - 2 | | |
| 5 -)+(24 + 2 * 8 4 - | | |
| 4 - $*$ 24 +2 * 81 + 36 5 - *) - (24 +2 * 81 + 36 6 - * 24 +2 * 81 + 36 - * Reverse: $ -+-63+18+2+42 $ c. Post fix: $63-18+18+2+42$ 1. $(6-3)18+18+242+18+242+18+242$ 1. $(6-3)18+18+242+18+242+18+242$ 2. $(6-3)(1+8)+242+18+242+18+242+18+242$ 2. $(6-3)(1+8)+242+18+242+18+248+28$ 3. $(6-3)+(1+8)+242+18+28+28+28+28+28+28+28+28+28+28+28+28+28$ | | |
| 5 - 4) - (24 + 2 * 81 + 36 6 - 8 24 + 2 * 81 + 36 - 8 7 24 + 2 * 81 + 36 - 8 - 8 Reverse: $\begin{vmatrix} -4 - 63 + 18 + 2 + 42 \end{vmatrix}$ c. Post fix: $63 - 18 + 242 + 4 - 9$ 1. $(6-3) 18 + 4 242 + 4 - 1 - 4 + 63 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 18 + 2 + 42 + 42 + 18 + 2 + 42 + 42 + 42 + 42 + 42 + 42 + 42$ | 4 - * | |
| Preverse: $-\frac{1}{4} - 63 + 18 + 2 + 42$ c. Post fix: $63 - 18 + 12 + 12 + 18 + 2 + 42$ 1. $(6-3) 18 + 18 + 18 + 18 + 18 + 18 + 18 + 18 $ | 5-4)-(| |
| Reverse: $-\frac{1}{4} - 63 + 18 + 2 + 42$ c. Post fix: $63 - 18 + 4 + 242 + 4 - 4 + 42 + 42 + 42 + 42 +$ | 6 -4 | |
| c. Post fix: $63 - 18 + 242 + 4 -$ 1. $(6-3) 18 + 242 + 4 -$ 1. $(6-3) 18 + 242 + 4 -$ 1. $-1 + -63 + 18 + 2 + 42$ 2. $(6-3) (1+8) + 242 + 4 -$ 2. $-1 + -63 + 18 + 2 + 42$ 3. $-1 + -63 + 18 + 2 + 42$ 4. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ 5. $-1 + -63 + 18 + 2 + 42$ | 7 | 24 + 2 + , 81 + 36 - × |
| 1. $(6-3)$ $18+ *$ $242+ *$ $ 1* -63+18 *$ $2 (4+2)$ 2. $(6-3)$ $(1+8)$ * $242+ *$ $ 2* -63+18 *$ $2 *$ $(4+2)$ 3. $(6-3)$ * $(1+8)$ 2 $42+ *$ $-$ 3. $-*$ $-63(1+8)$ 2 * $(4+2)$ 4. $(6-3)$ * $(1+8)$ 2 * $(4+2)$ $-$ 4. $-*$ $(6-3)$ $(1+8)$ 2 * $(4+2)$ 6. $(6-3)$ * $(1+8)$ 2 * $(4+2)$ $-$ 5. $-(6-3)$ * $(1+8)$ 2 * $(4+2)$ | Reverse: -4-63+15 | 8 * 2 + 42 |
| 1. $(6-3)$ $18+ *$ $242+ *$ $ 1* -63+18 *$ $2 (4+2)$ 2. $(6-3)$ $(1+8)$ * $242+ *$ $ 2* -63+18 *$ $2 (4+2)$ 3. $(6-3)$ * $(1+8)$ 2 $42+ *$ $-$ 3. $-*$ $-63(1+8)$ 2 * $(4+2)$ 4. $(6-3)$ * $(1+8)$ 2 * $(4+2)$ $-$ 4. $-*$ $(6-3)$ $(1+8)$ 2 * $(4+2)$ 5. $-(6-3)$ * $(1+8)$ 2 * $(4+2)$ $-$ 5. $-(6-3)$ * $(1+8)$ 2 * $(4+2)$ | | |
| 2. $(6-3)(1+8) * 242 + * -$ 2. $-*-63+(8)2*(4+2)$ 3. $(6-3)*(1+8)242+* -$ 3. $-*-63(1+8)2*(4+2)$ 4. $-*-(6-3)(1+8)2*(4+2)$ 6. $(6-3)*(1+8)2*(4+2) -$ 5. $-(6-3)*(1+8)2*(4+2)$ | c. Post fix: 63-18-14 | 242+ * - Prefix: - x - 63+18 x 2+42 |
| 3. $(6-3) * (1+8) 242 + * - 3 * -63(1+8) 2 * (4+2)$ 4. $(6-3) * (1+8) 2 (4+2) * - 4 * (6-3) (1+8) 2 * (4+2)$ 5. $(6-3) * (1+8) 2 * (4+2) - 5 (6-3) * (1+8) 2 * (4+2)$ | 1. (6-3) 18+1 | * 242 + # - 1 + - 63 + 18 * 2 (4+Z) |
| 4. (6-3) * (1+8) 2 (4+2) = 4 * (6-3) (1+8) 2 * (4+2) 5 (6-3) * (1+8) 2 * (4+2) = 5 (6-3) * (1+8) 2 * (4+2) | | |
| 6. (6-3) * (1+8) 2 * (4+2) - 5 (6-3) * (1+8) 2 * (4+2) | | |
| | | |
| 6. (6-3) * (1+3) - 2* (4+2) = 15 6. (6-3)* (1+8) - 2* (4+2) = 15 | | |
| | 6. (6-3) * (1- | +3) - 2* (4+2) = 15 6, (6-3)*(1+8) - 2*(4+2) |
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Postorder: ab/c+d/exfg+h-

| 3 Input - | | VV | #1 pineaple -45 |
|-----------------------|---|---------|--|
| O princaple | D 112 x 105 4 110 x 101 x 97 x 112 x 109 x 101 | | #2 co conu - 67 |
| 45 | 615.483.041 [bg.043.200 -0 km +17 | | Military and the second |
| | 6 1 % 200 = 1 (Hesh) | | # 6 papaya - 32 |
| | | 1/3 | #71 banana - 12 |
| 6\ | | | : Danara 12 |
| 3 papaga | D 112 # 97 # 112 # 97 # 121 #97 | | ; |
| 32 | 6 (385.276).983.552 -p len 13 6 6 % 200 = 6 (Hosh) | | 1: |
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| 3) h | D 98 * 97 * 110 * 97 * 110 * 97 | | 1 2001 Mull |
| J Danana S 1 12 | 61.082. 247.643: 400 -olen =13 | | TOOT |
| (2 | 61.082. 2417.643. 400 -6 len =13 | | |
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| | -0 99 * 111 * 99 * 111 * 110 * 117 * 116 | | |
| 67 | 6180,282.2[H.003.320-0 len=15/ | | |
| | 61% 200 = [(Hash) | | |
| | 6(1+1) % 200 = 2 (Hosh) | | |
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