1.

1. put 2

2. push ^ 

3. put 2 after 2 2 2 

4. push ^ Because ICP = ISP

2 2 

5. put 3 after 2. it comes to the end of expression

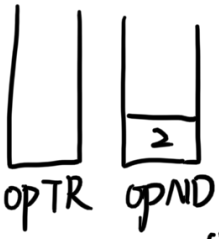
2 2 3 

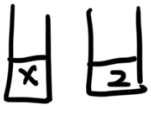
6. pop ^  2 2 3 ^

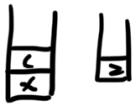
7. pop ^  2 2 3 ^ ^

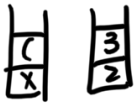
2.

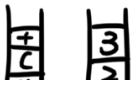
1. step 1. 2 x (3 + 5/8) + 4 push(opND, 2)



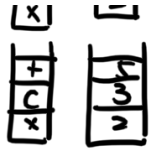
2. 2 x (3 + 5/8) + 4 push(opTR, x) 

3. 2 x (3 + 5/8) + 4 push(opTR, () 

4. push(opND, 3) 

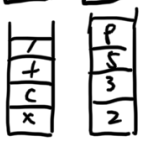
5. push(opTR, +) 

6. push (opND, 5)



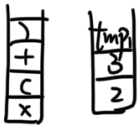
7. push (opTR, /)

8. push (opND, 8)



9. pop (opTR) /, pop (opND) 5, 8) $tmp_1 = \frac{5}{8} = 0.625$ push (opND, tmp_1)

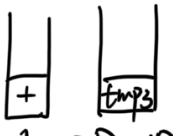
10. push (OPTR,))



11. pop), +, (pop tmp_1, 3 $tmp_2 = 3 + tmp_1 = 3.625$. push (OPND, tmp_2)

12. pop × pop 2, tmp_2 $tmp_3 = 2 \times tmp_2 = 7.25$ push (OPND, tmp_3)

13. push (OPTR, +)



14 push (OPND, 4)

15. pop + pop 4, tmp3 $tmp_4 = 4 + tmp_3 = 11.25$ push (OPND, tmp4)

16. return tmp4.