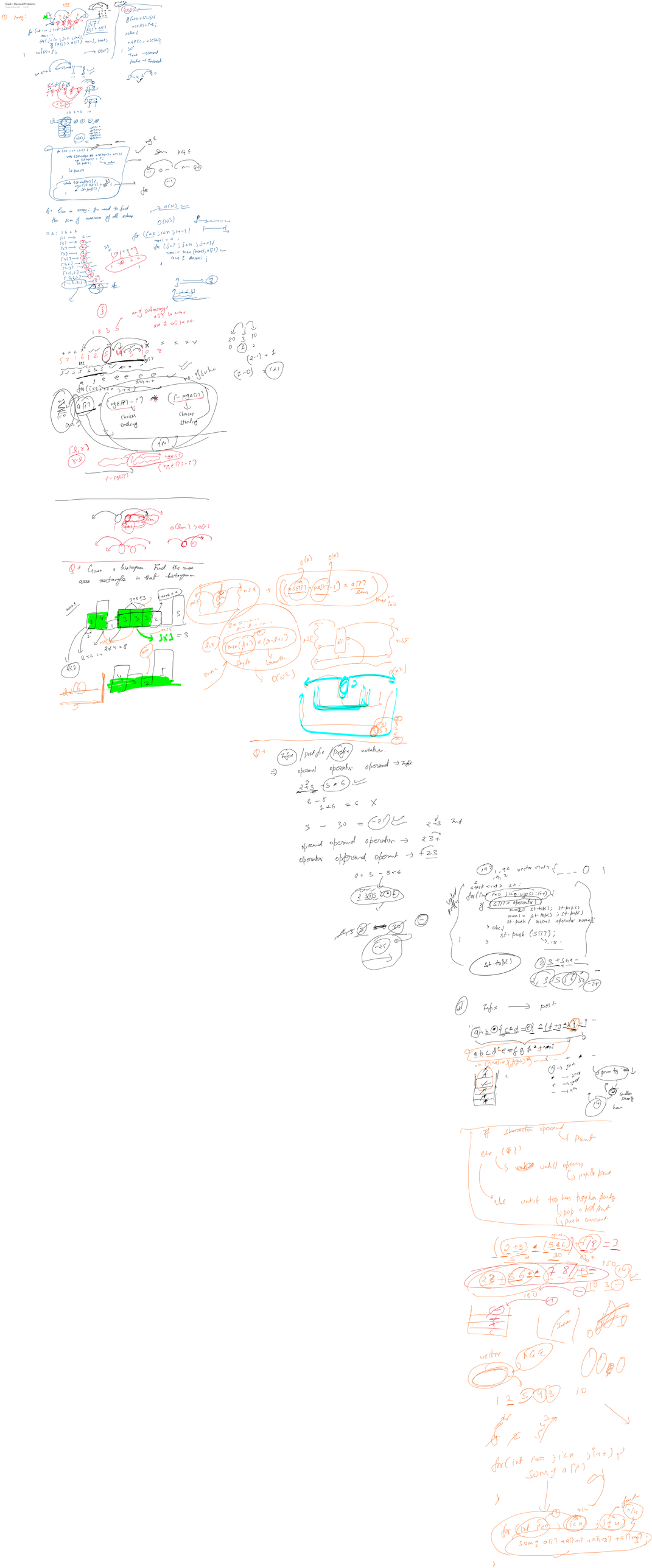
Stack - Classical Problems

Date: 09-06-2021 Wednesday

① Array:



Q→ Given an array: you need to find the sum of maximum of all subarray

⇒ A: 1 6 2 5

f1 → 1
f2 → 6
f3 → 2
f4 → 5
f1,f2 → 6
f2,f3 → 6
f3,f4 → 5
f1,f2,f3 → 6
f2,f3,f4 → 6
f1,f2,f3,f4 → 6

Q→ Given a histogram. Find the max area rectangle in that histogram.

Q→ Infix / postfix / Prefix notation.

⇒ operand operator operand ⇒ Infix

operand operand operation ⇒ 2 3 +

operator operand operand ⇒ + 2 3

Q→ Infix → post

If character operand → Print

else ( ) → while uptill opening → pop & print

else until top has higher priority → pop & print → push current