No: _____ Date: __/__/____

* Count Special Quadruplets

$a < b < c < d$

$nums[a] + nums[b] + nums[c] = nums[d]$

$O(n^4)$ is not a good solution

1 1 3 3 6 4 5

c

b

a

(5) ← add to another array

$O(n^3)$

$O(n)$

1 1 3 3 6 4 5

c

b

a

[5, 4]

1 1 3 3 6 4 5

c

b

a

[5, 4, 6]

1 1 3 3 6 4 5

c

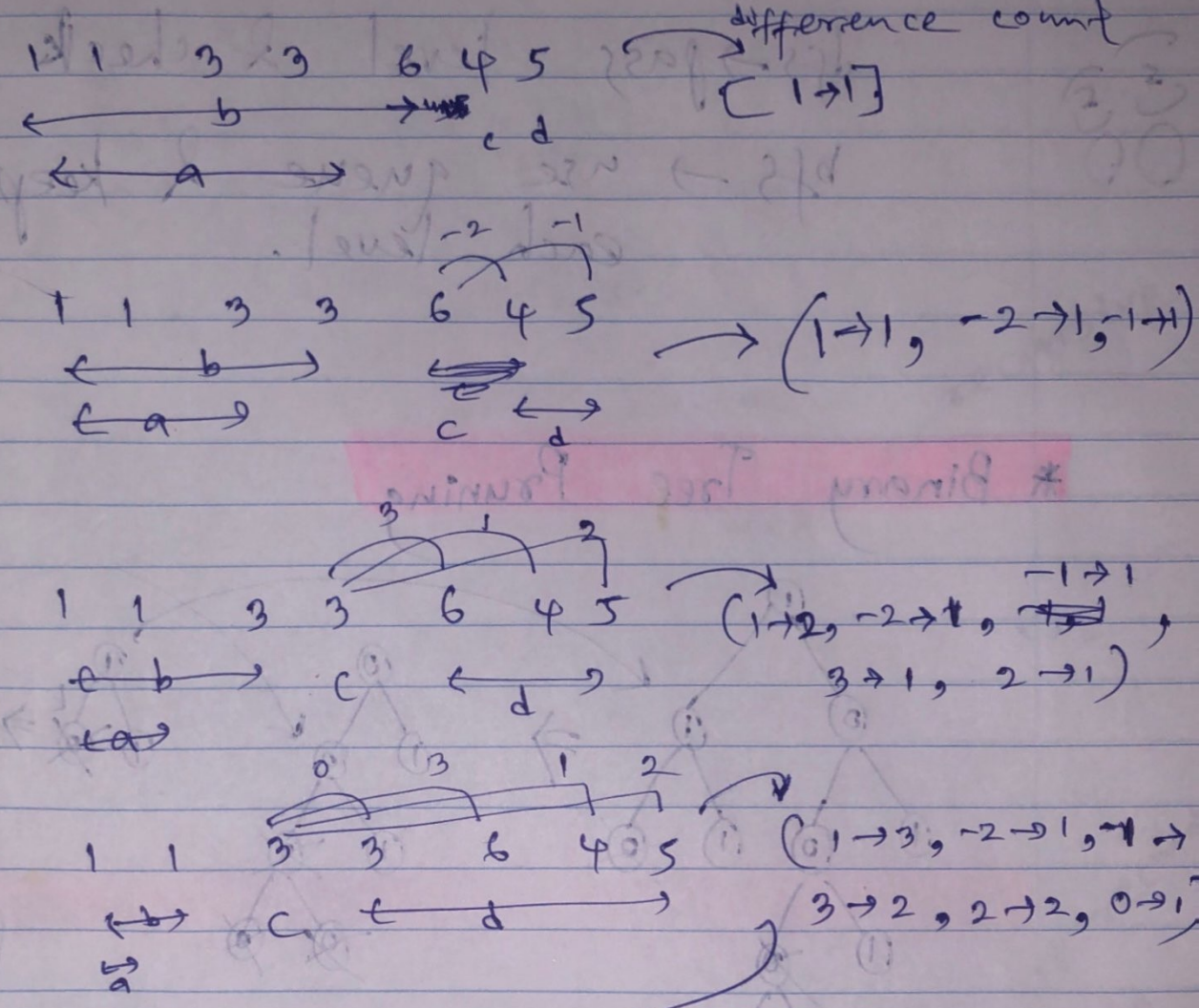
b

a

[5, 4, 6, 3]

No: Date: / /

- nums[a] + nums[b] = nums[d] - nums[c]



instead of map, we can use an array by normalizing values.

d=0, c=100 ⇒ d-c = -100