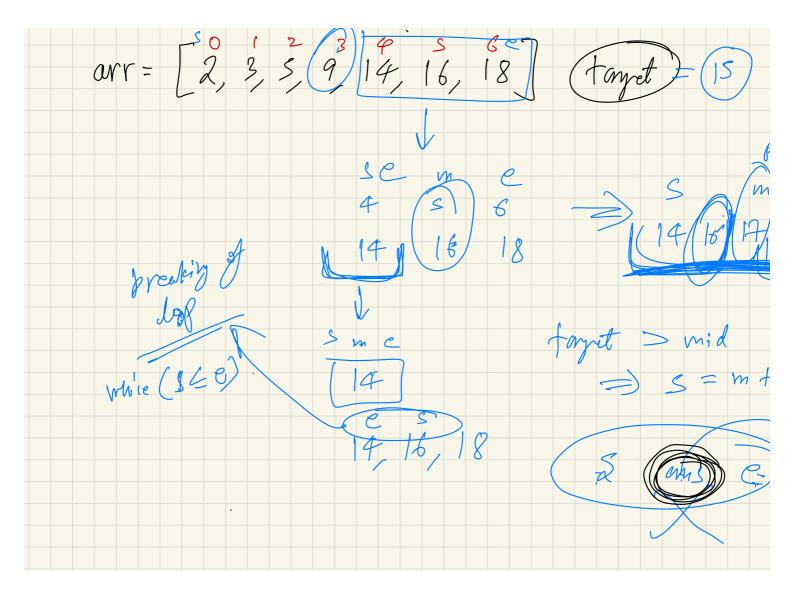
<u>Q:</u> am = [2, 3, 5, [9] 14, 16, 18] target = 16

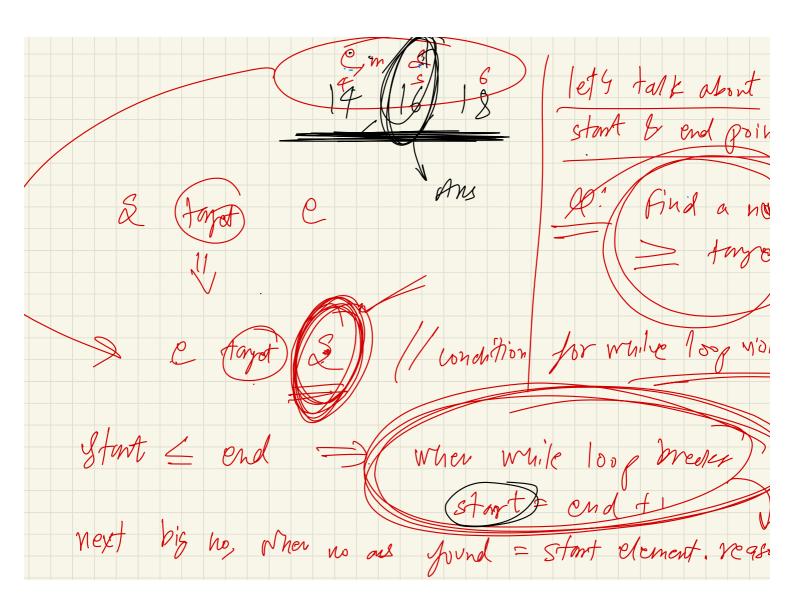
Ceiling = Smillest element in away greater or = target.

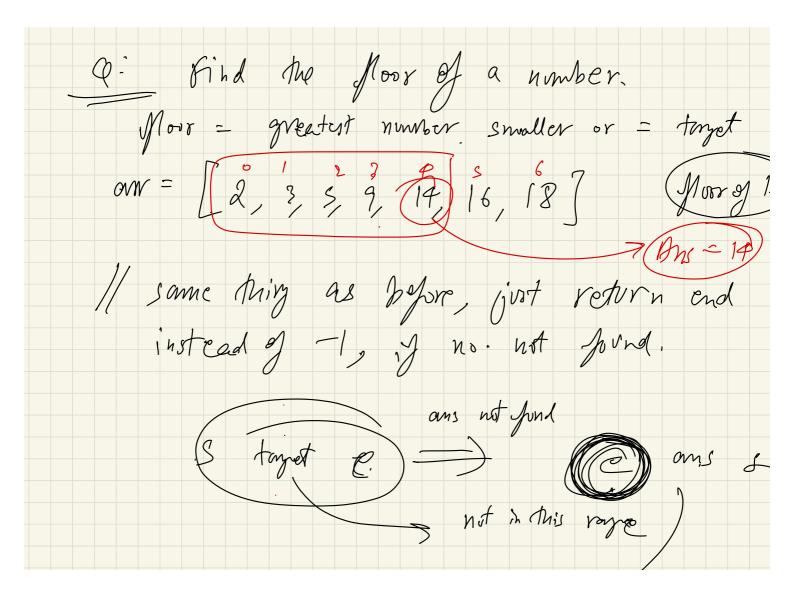
Leiling (am, target = 14) = 14

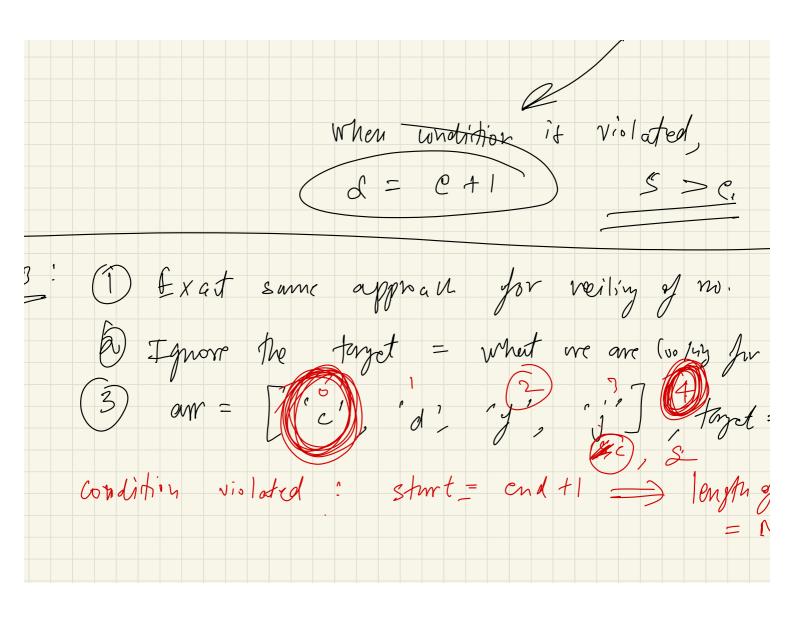
Ceiling (am, target = 15) = 16

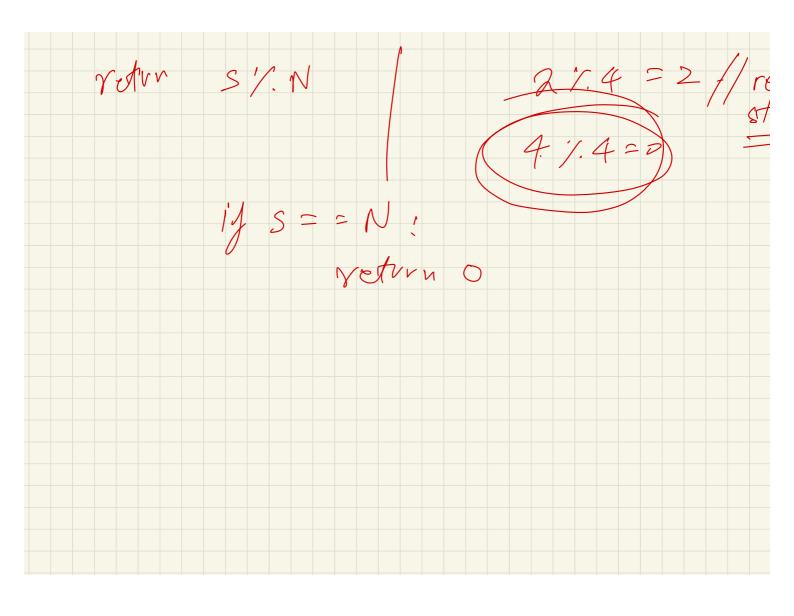
target = 9 = 9

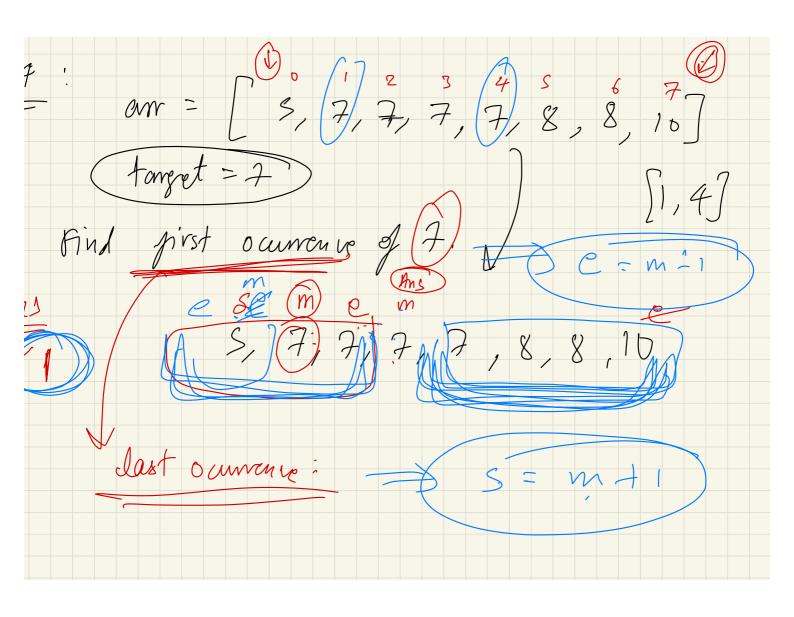


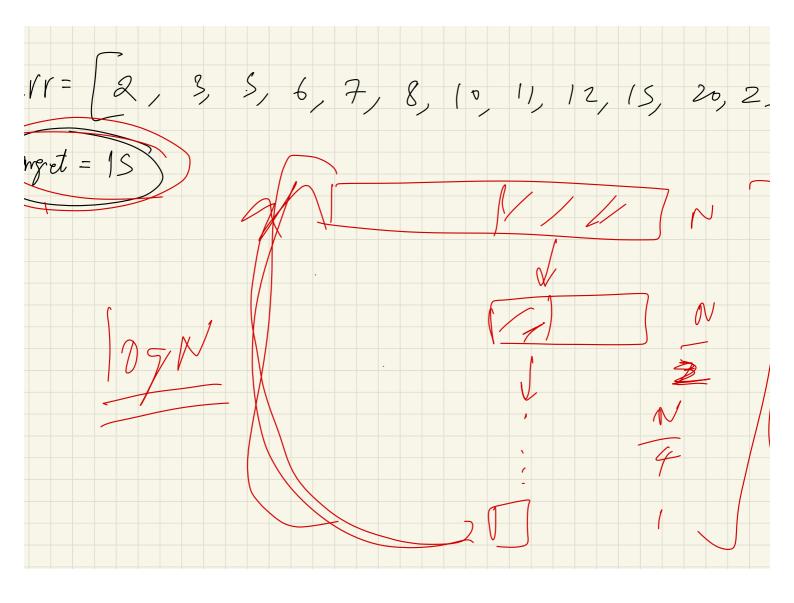


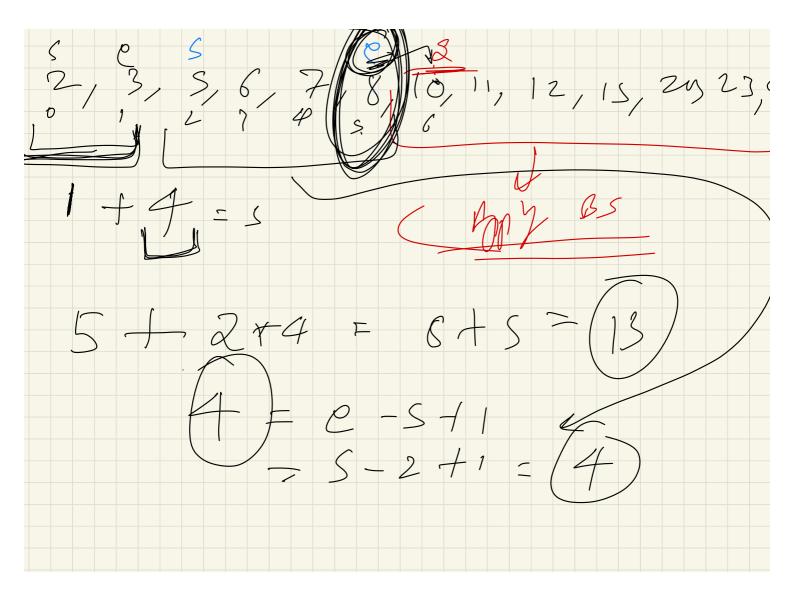


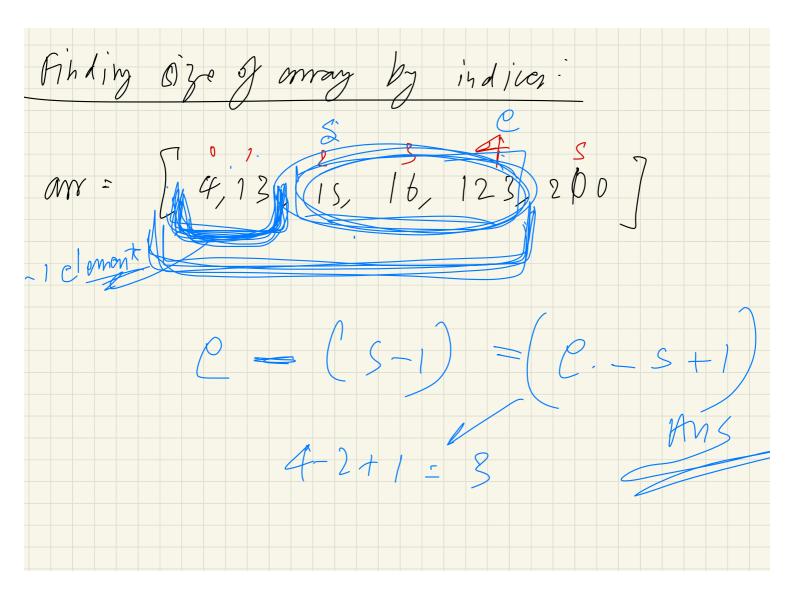


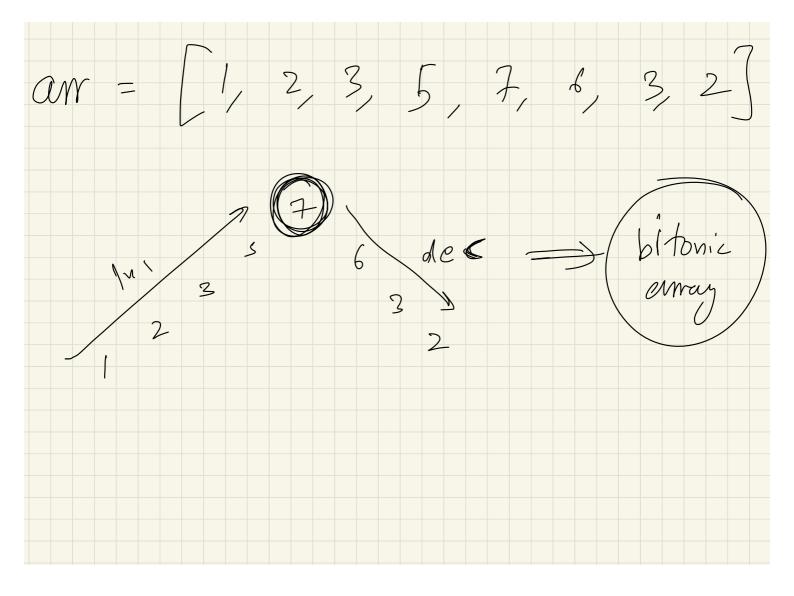


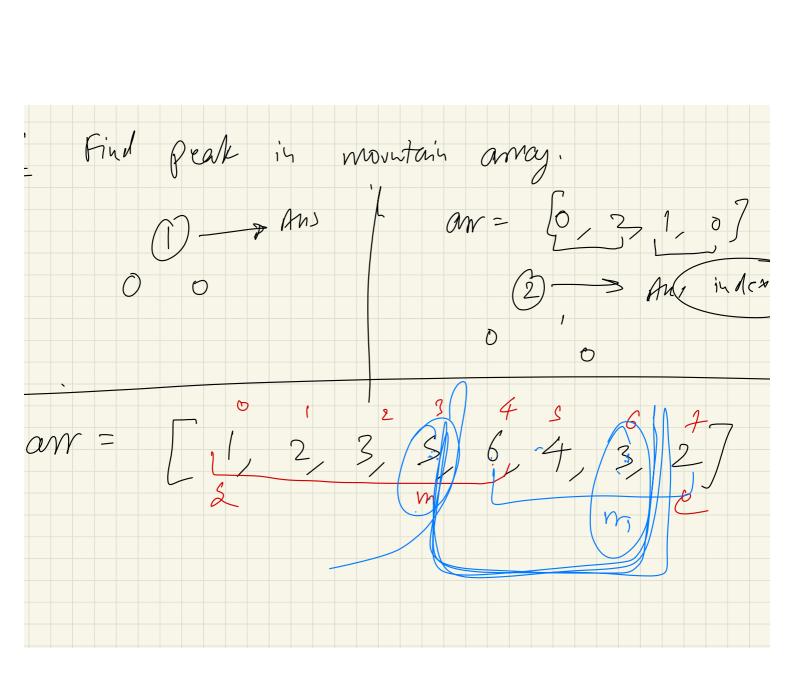


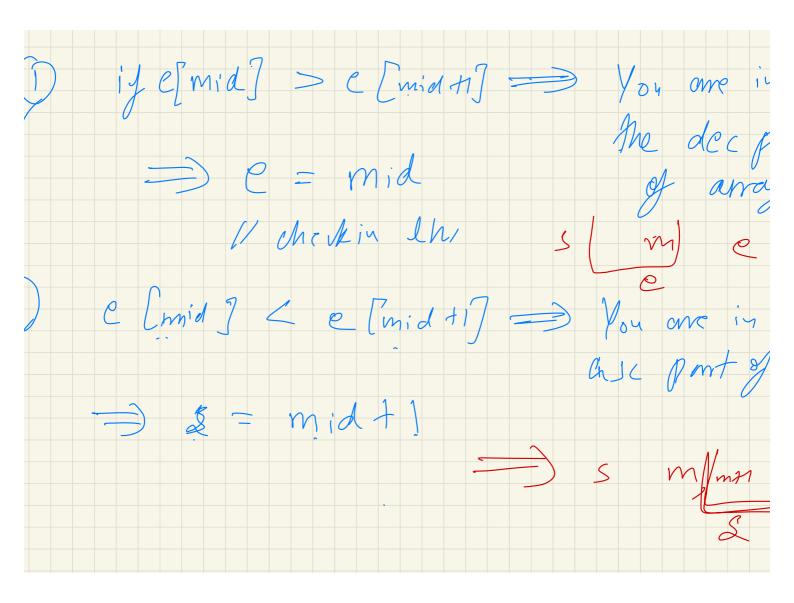


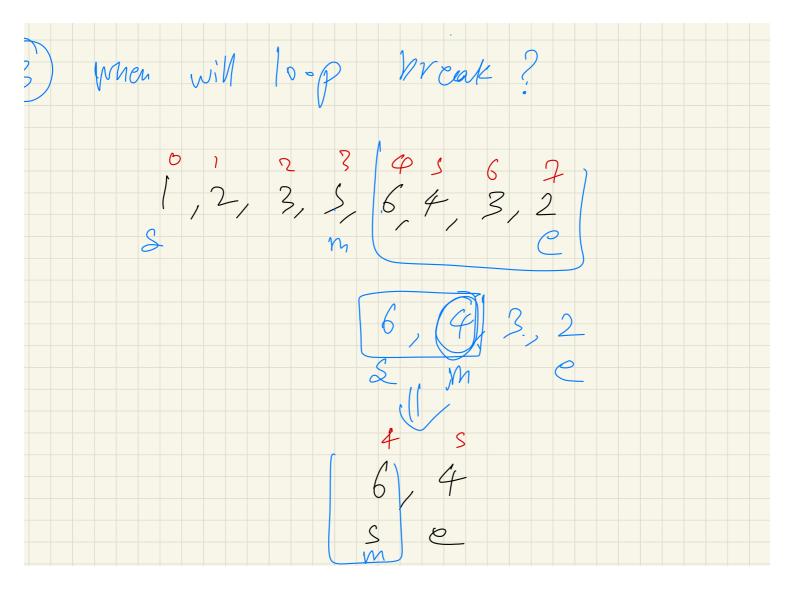


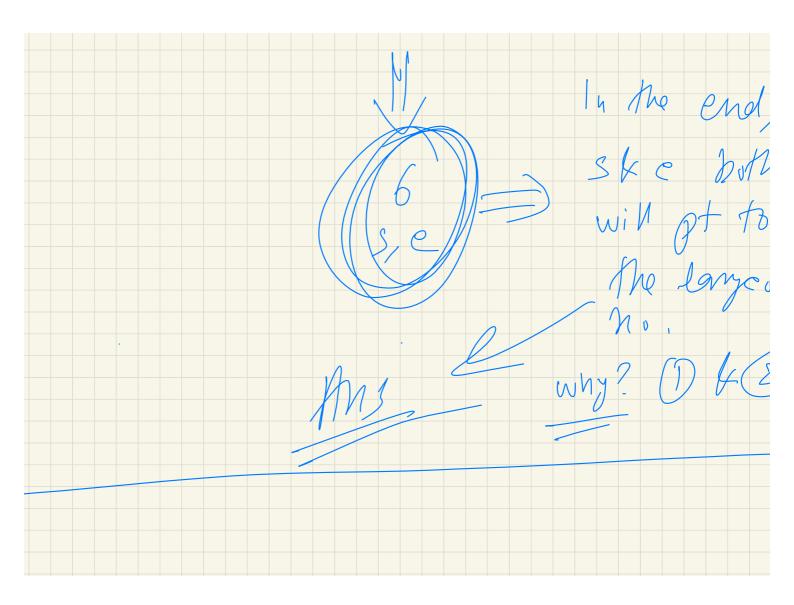


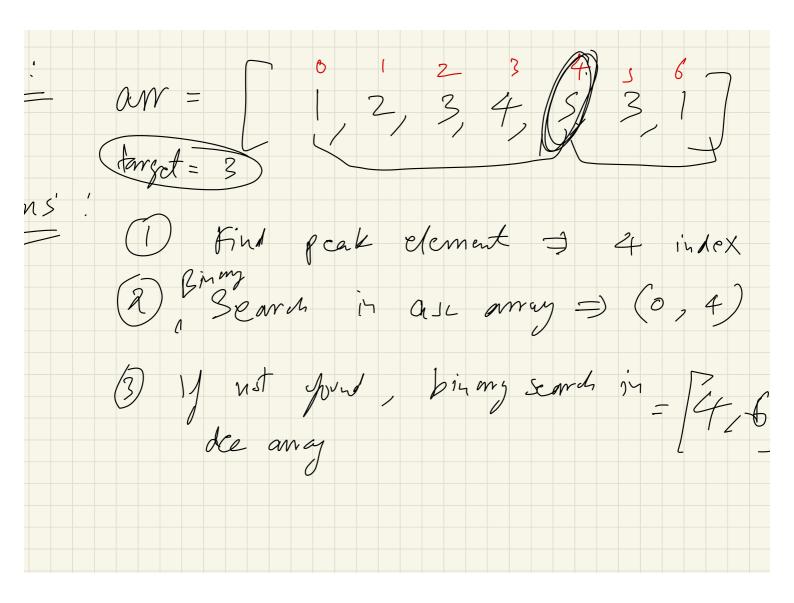


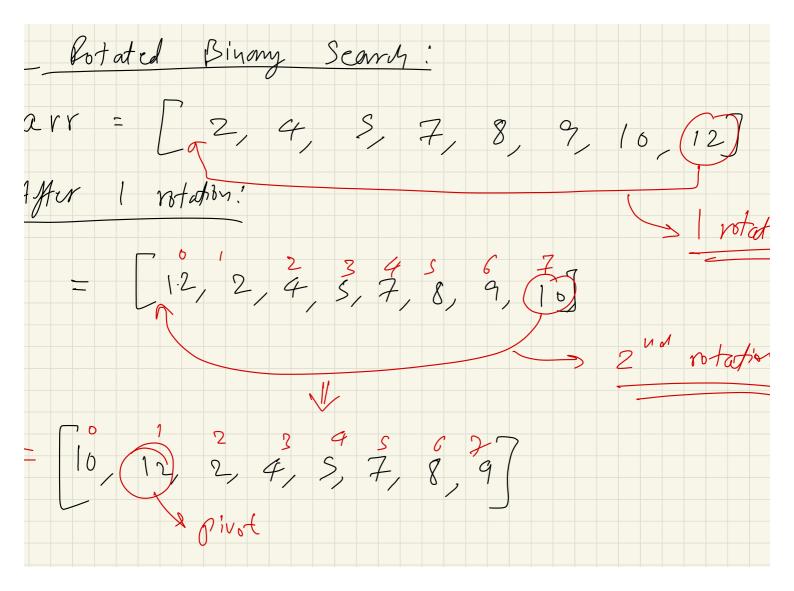


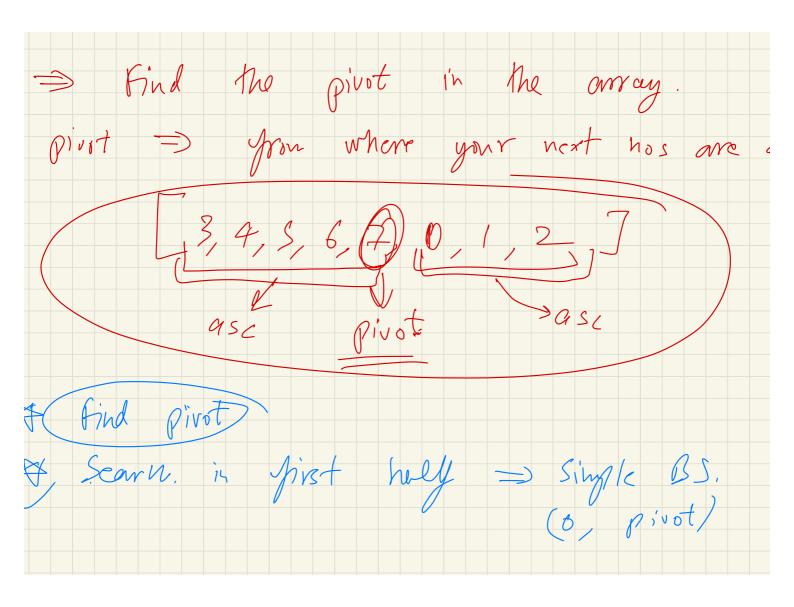


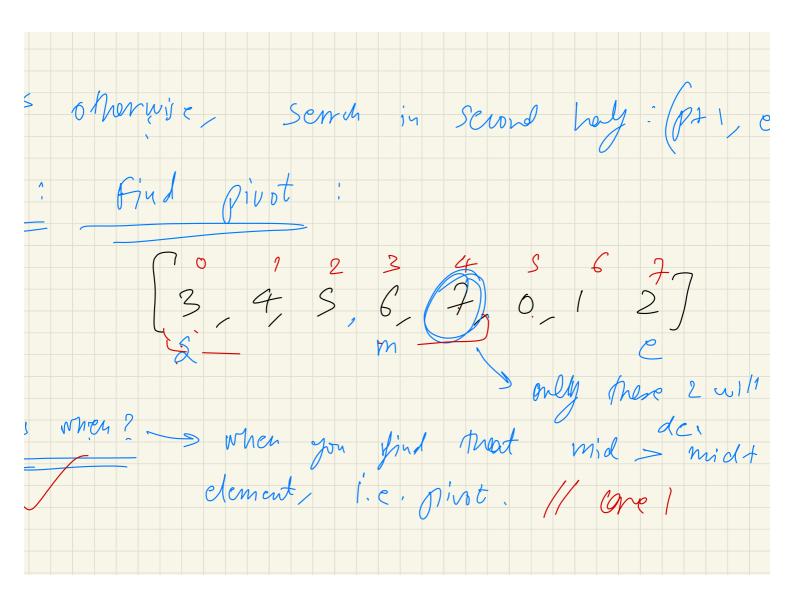


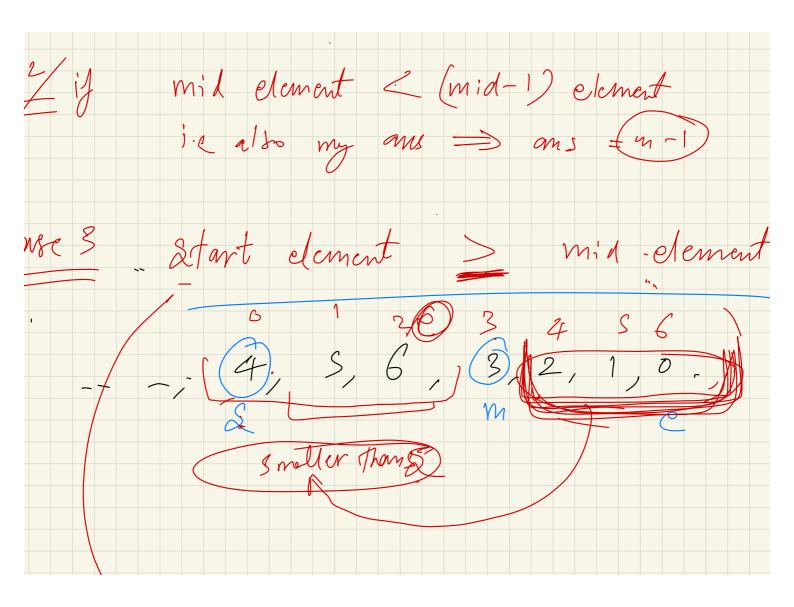








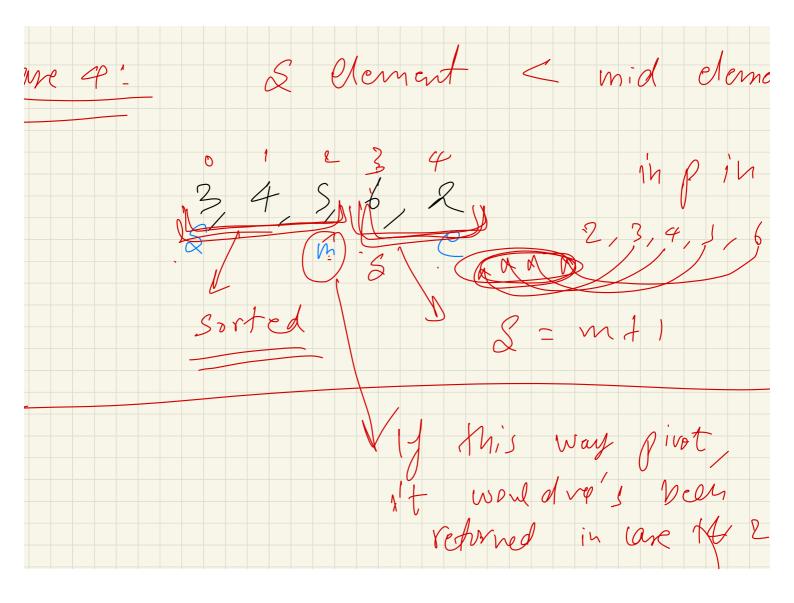


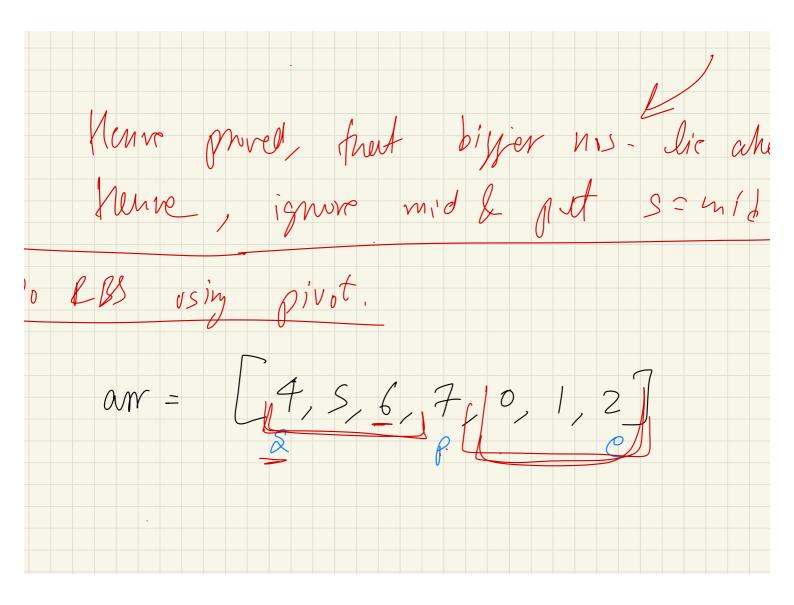


In Mis case all elements from n will be a start.

Then is one an ignore all these elements since we are looking for peak i.e langest Olement.

C = mid-1





me!: pivot element = torget // Mus

we?: torget = stort element // seem

for (

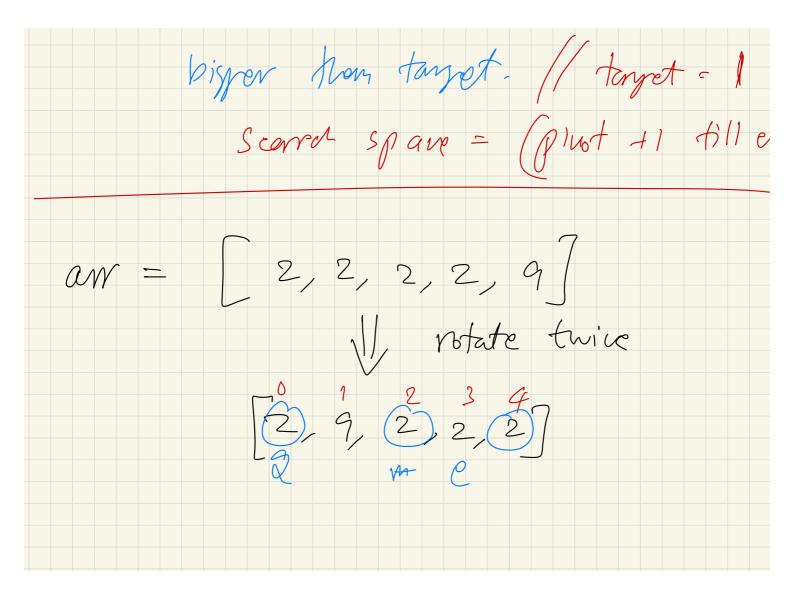
seem of space = (s, p-1)

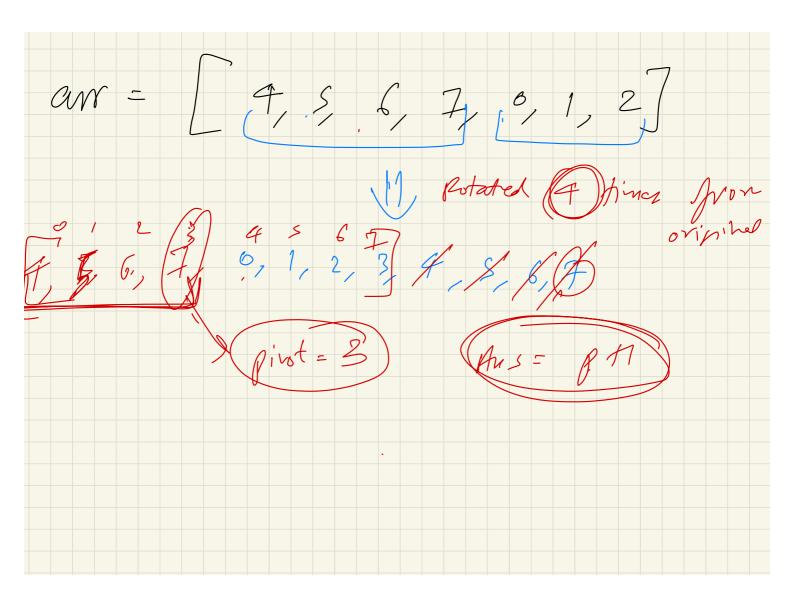
why? way all nos. after pivot

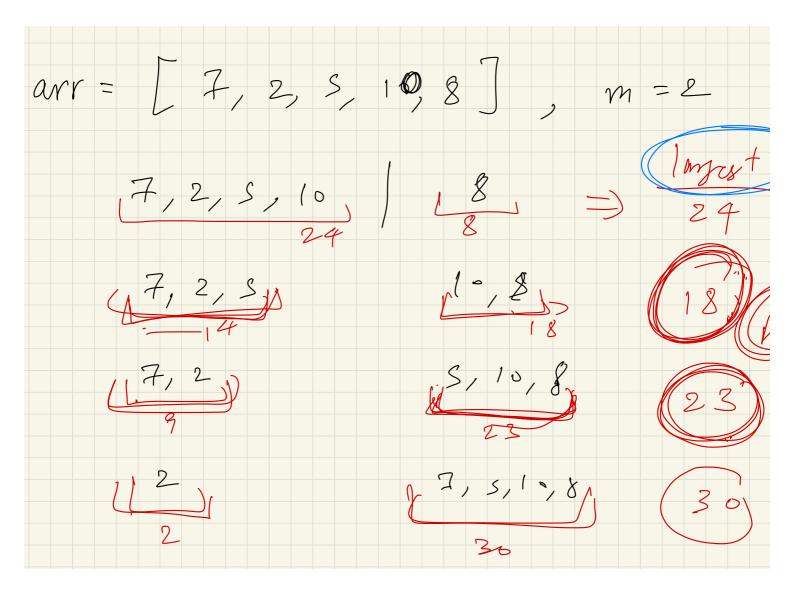
ore = s

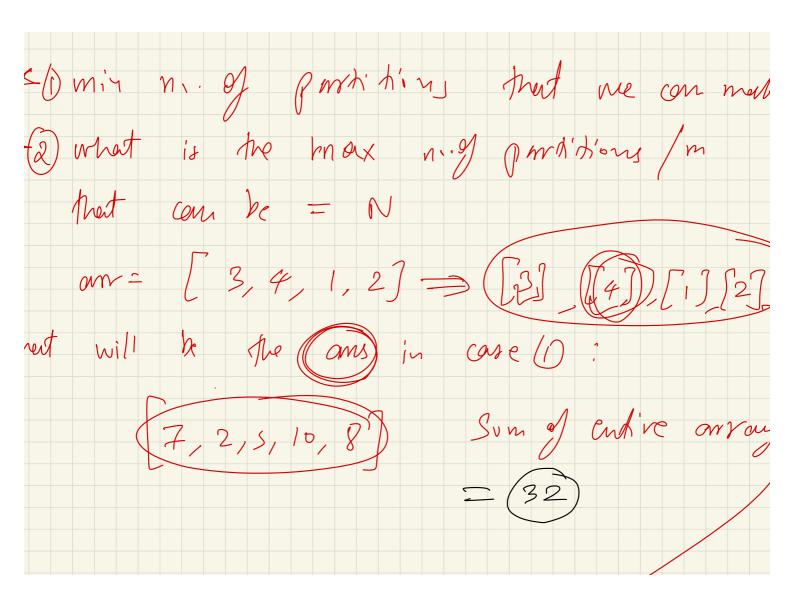
i.e. we know that all element

from s, pivot one the going to









(are 2):

Ans for this = max element is

array = 4

in valve of ans of question = case 1

in valve of ans of question = case 2

min this = max valve in array

max this = Sum of all valves in array.

