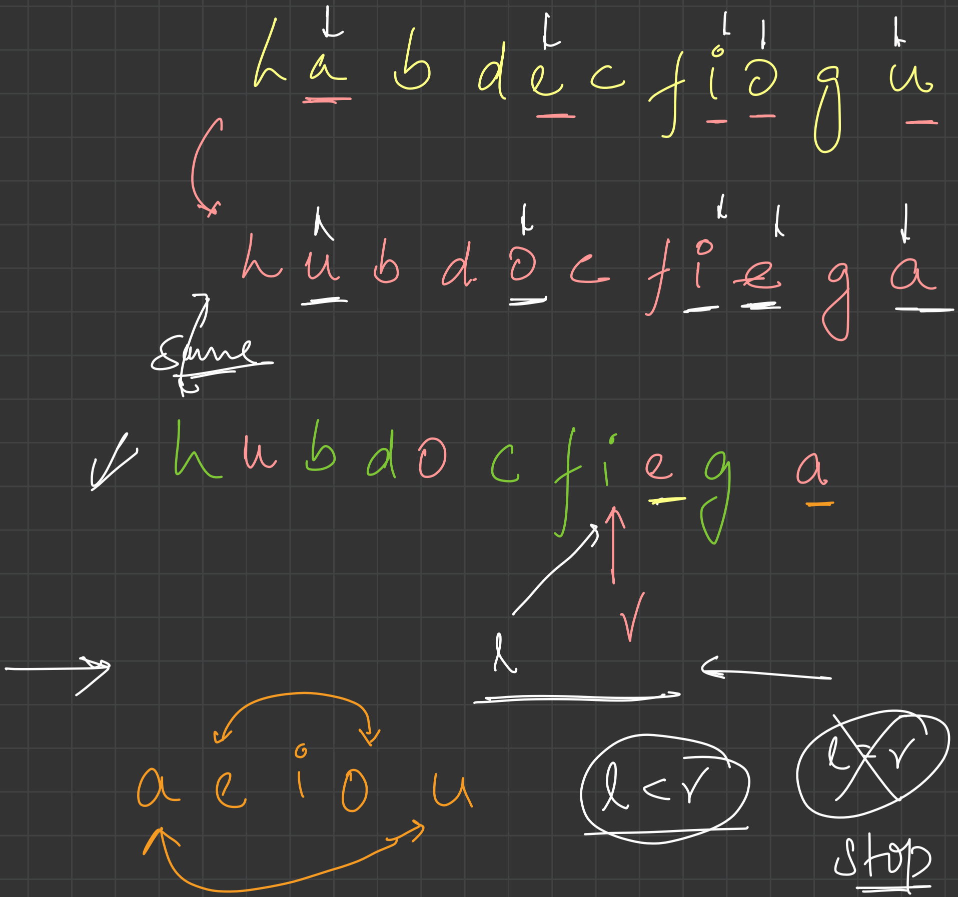

h a b d e c f i o g u
h u b d o c f i e g a
Same
h u b d o c f i e g a
l
r
a e i o u
l<r
l<r
stop

$l \rightarrow 0$, $u \rightarrow 99$

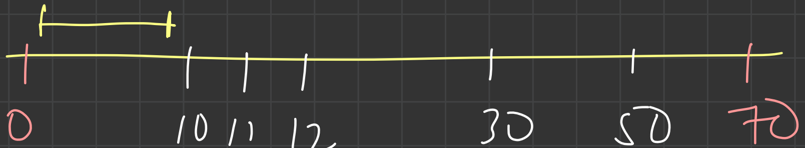
① if $arr[0] \neq l$: $\{l, arr[0]-1\}$

② $arr[n-1] < u$

$\Rightarrow \{arr[n-1]+1, u\}$

10, 11, 12, 30, 50

$l = 0$
$r = 70$

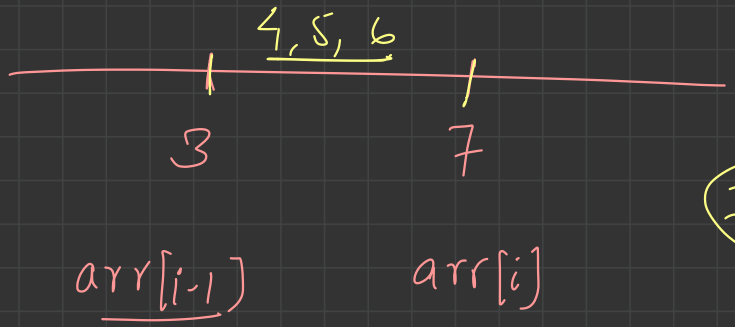


0, 9

$l, arr[0]-1$

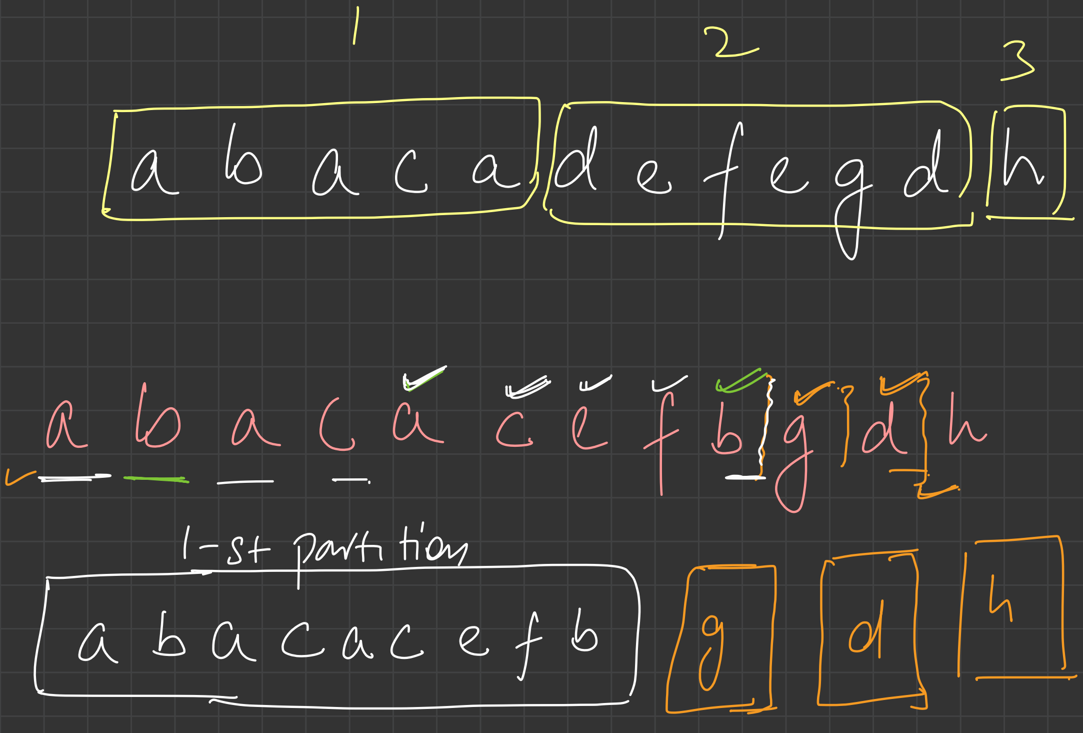
$\text{if } (arr[i] - arr[i-1] > 1)$ there are missing nos.

↳ $\{\, arr[i-1] + 1,\ arr[i] - 1 \,\}$



$\boxed{7-3>1}$

↳ missing values

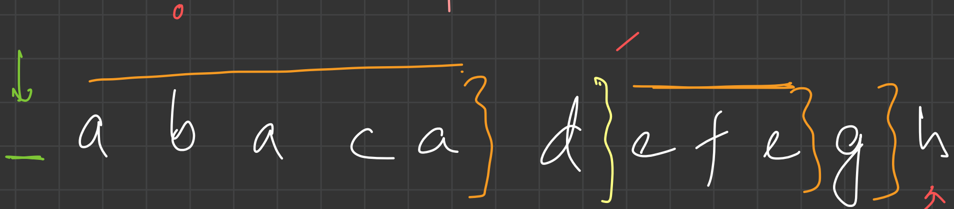


① last occurrence/index of all chars

frequency array?? to store last index of chars in string iterate left to right on the string

→ Store the maximum last index found till now.

→ if maxLastIndex == i, we can partition at this position



maxLastIndex = 10 i = 10

previousPart = 9 len = 10 - 9 = 1

last	
a →	4
b →	1
c →	3
d →	5
e →	8
f →	7
g →	9
h →	10

① maxLastIndex = max (last [s[i]], maxLastIndex)

② if (maxLastIndex == i)

→ partition

out: 5 1 3 1 /

output. partition length = i - previousPart

previousPart = i

k = 1

k = 3

1 4 3 2 2 1 9

→ s[i] > s[i+1] ✓

1 4 3 2 2 1 9

k=3 → *

k=2 1 3 2 2 1 9

k=1 1 2 2 1 9

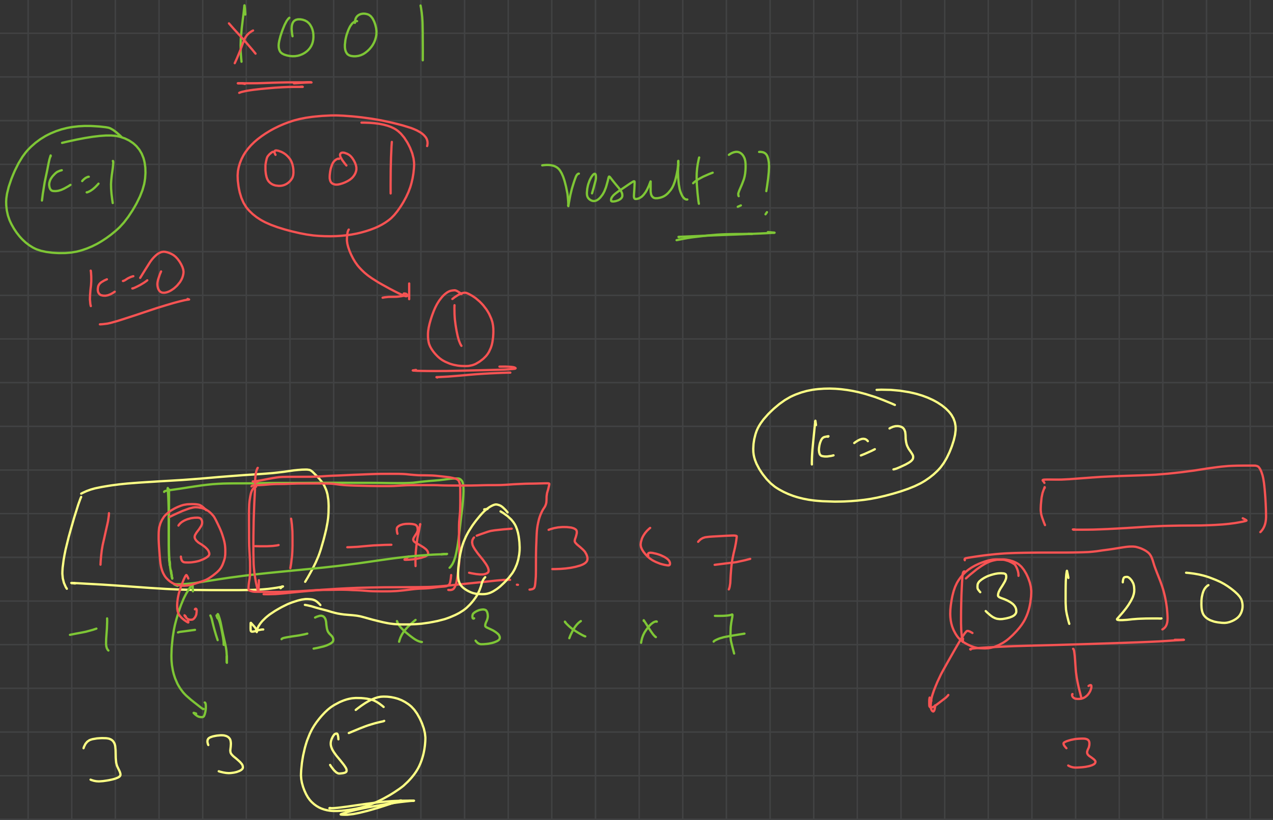
k=0 $\boxed{1\ 2\ 1\ 9}$

1 2 3 4 5 6 7 ~~8 9~~

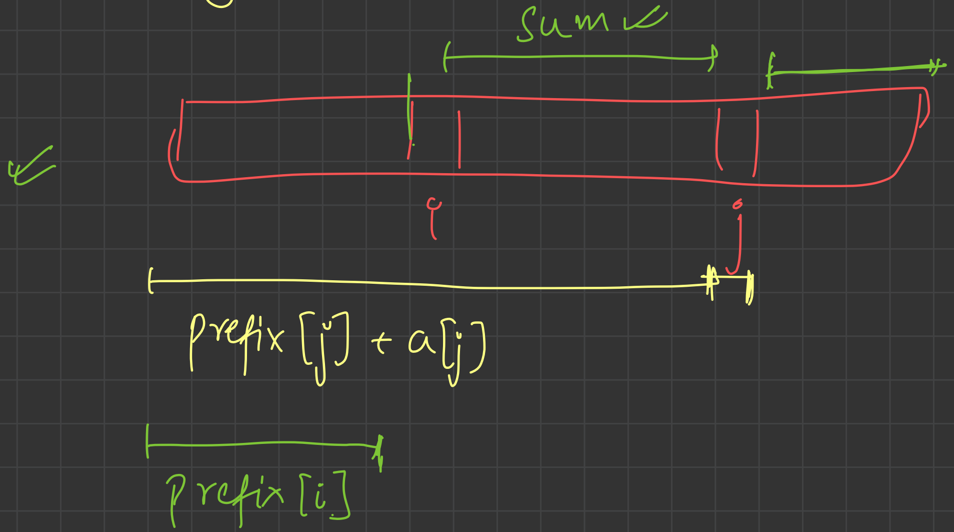
$\boxed{k=2}$ ✓

S[i] > S[i+1] never true

↳ digits are in non-decreasing order


~~1~~ 0 0 1
k=1
k=0
0 0 1
1
result??
k=3
1 3 -1 -3 5 3 6 7
-1 -1 -3 x 3 x x 7
3 3 5
3 1 2 0
3

Subarray Sum



{1 2 3}

{1} {2} {3}

{1 2} {2 3} {1 3}

{1 2 3}