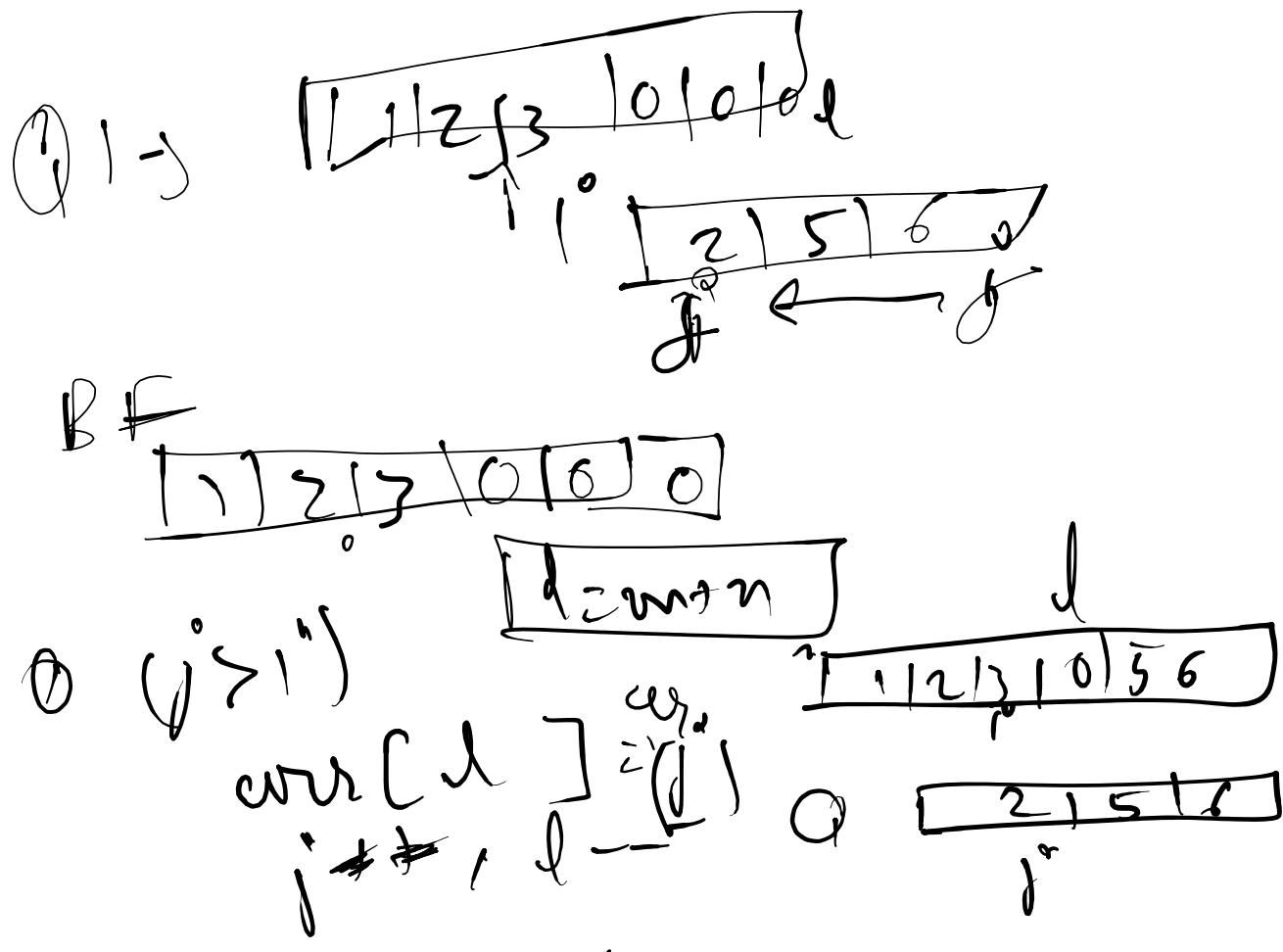


Day6

Sunday, 4 August 2024 3:56 PM

1. Merge sorted arrays
2. Remove element
3. Remove duplicate elements from sorted array





else
 $\text{arr}[l] = \text{arr}[i]$

$i--$, $j--$

① $\begin{array}{r} 111333 \\ \cancel{i} \quad \cancel{j} \\ \hline \underline{\underline{12}} \end{array}$

③ $\begin{array}{r} 111218171516 \\ \cancel{i} \quad \cancel{j} \\ \hline \underline{\underline{1516}} \end{array}$

④ while ($i > j$) or ($i > 0$)

Q2 remove element.

$\begin{array}{r} 13121213121 \\ \cancel{\cancel{1}} \quad \cancel{\cancel{1}} \\ \cancel{a} \quad b \\ \cancel{a} \uparrow \\ \cancel{b} \end{array}$

$\text{val} = 3$

$a = \text{val}$

$b \neq \text{val}$

$a++$

$b++$

① $\begin{array}{r} 21312131212 \\ \uparrow \quad \uparrow \\ a \quad b \\ \swarrow \end{array}$

$\text{val} = 1$

$a = \text{val}$

$b \neq \text{val}$

$a++$

$b++$

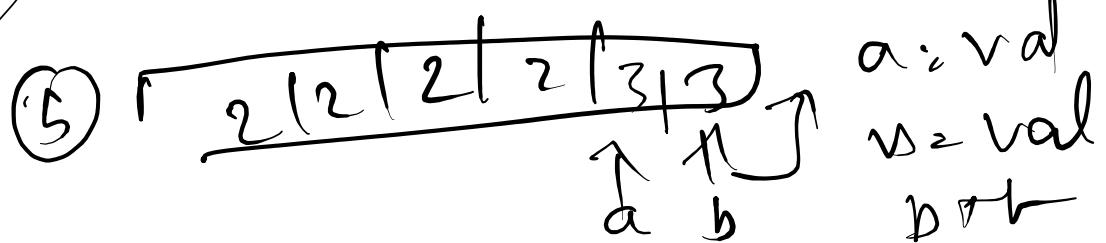
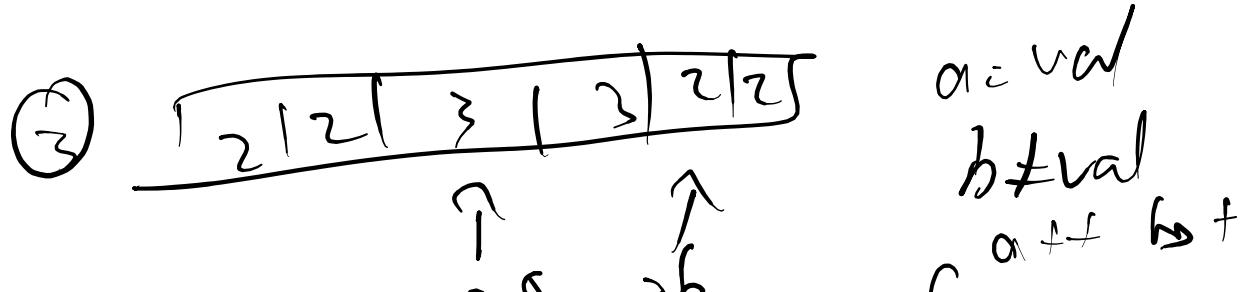
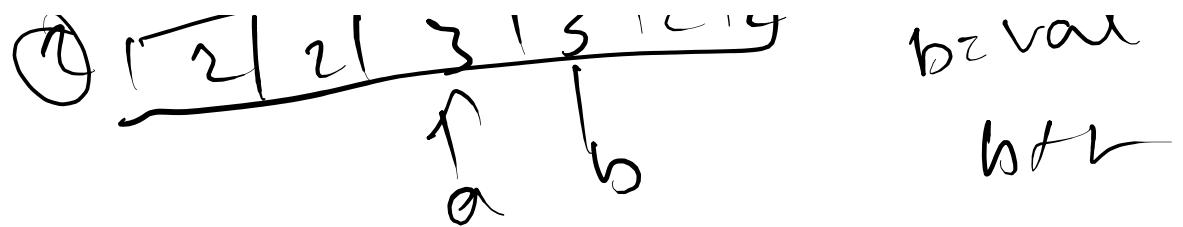
$\begin{array}{r} 131012 \\ \cancel{\cancel{1}} \quad \cancel{\cancel{1}} \end{array}$

$a = \text{val}$

b

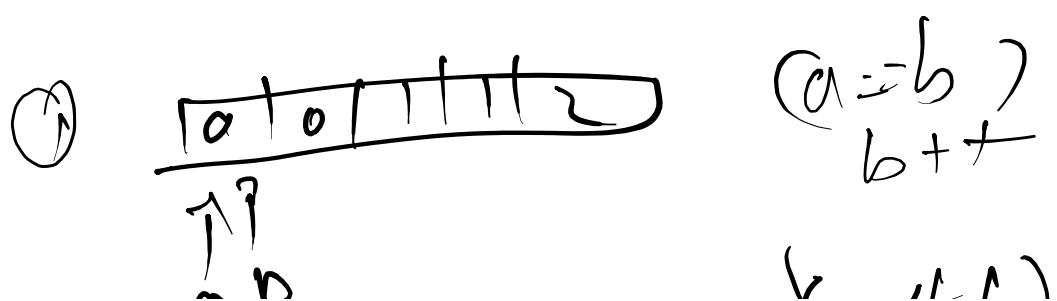
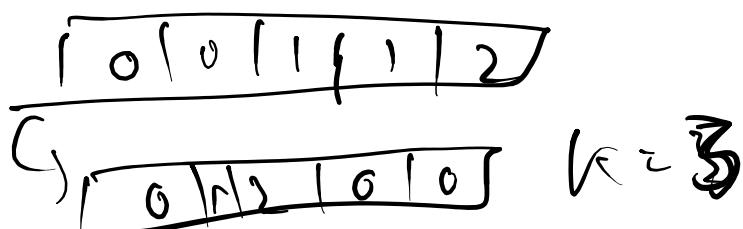
516

516

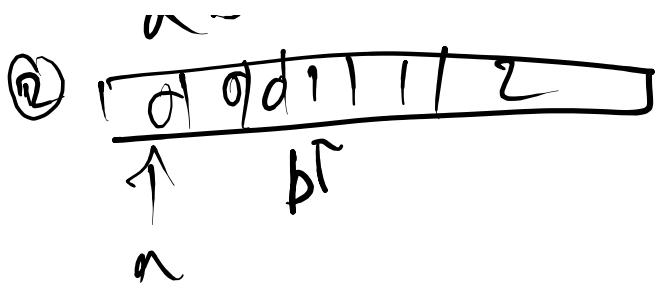


while(b < size)

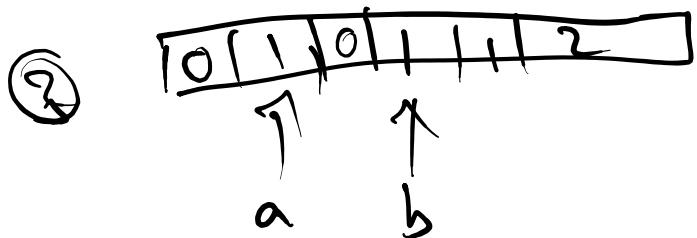
Q3



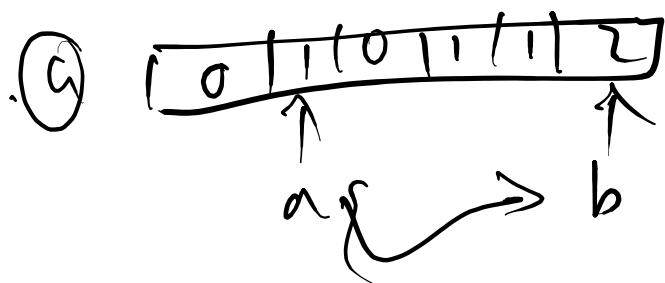
†



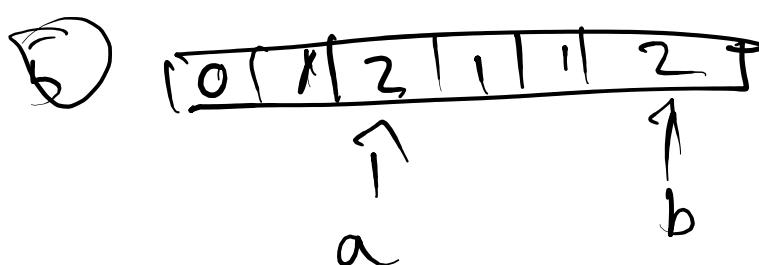
$\{ \}$ $a \neq b$
 $a++$
 $n[a] \in n[b]$



$a \neq b$

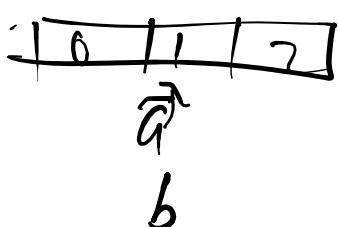
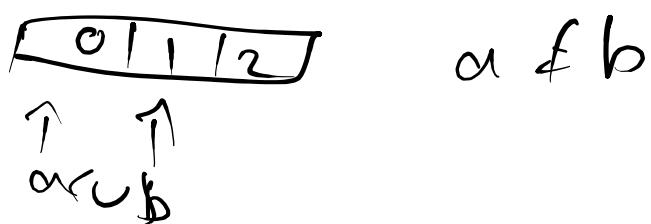


$(a \neq b) \wedge a++$
 $n[a] \in n[b]$



$(a = b)$
 $b++$

while ($b < size$)



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