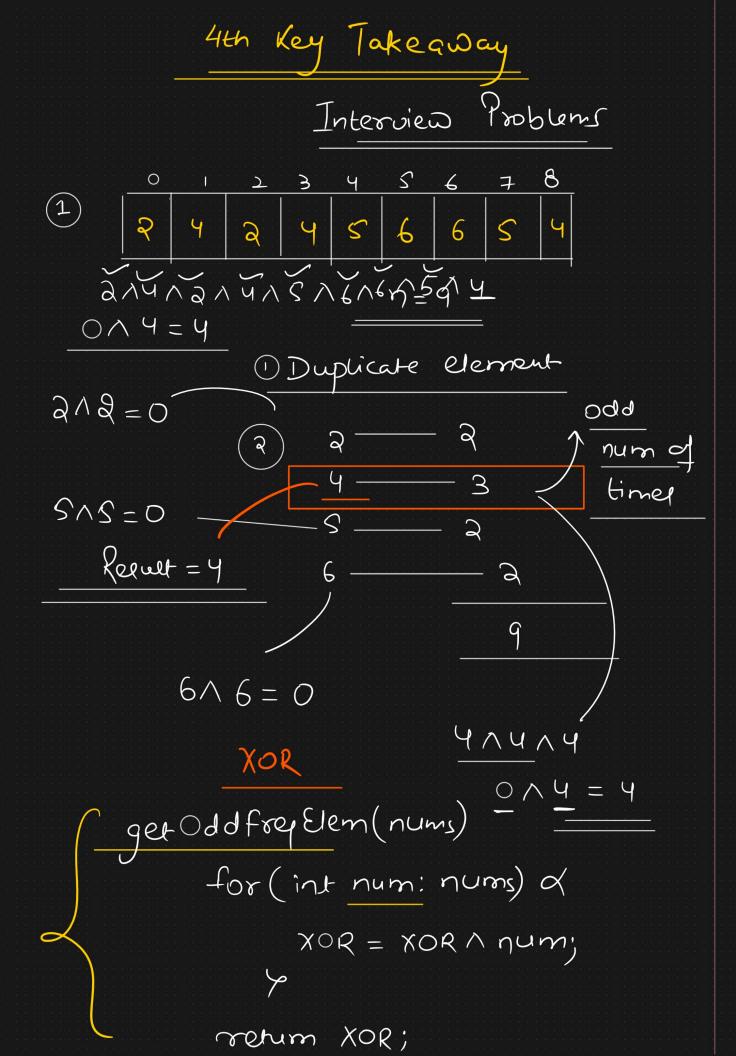


3 KeyTakeaway

$$\frac{OR(1)}{ABO/P} = \frac{AND(2)}{ABO/P} = \frac{XOR(\Lambda)}{ABO/P}$$

$$\begin{cases}
\frac{A \land A}{A} = 0 \\
\frac{A \land O}{A} = A
\end{cases}$$

$$\begin{cases} 1 \land 0 = 1 \\ 4 \land 0 = 4 \\ \hline 1 \land 0 = 7 \end{cases}$$



$$(num l num-i) = = 0$$

num -> Power of

3 
$$\frac{\text{num} = 18}{\text{num} = 19}$$
  $\frac{1111}{\text{num} = 4}$   $\frac{1100}{\text{opp} = 1}$   $\frac{1111}{\text{opp} = 1}$   $\frac{1111}{\text{$