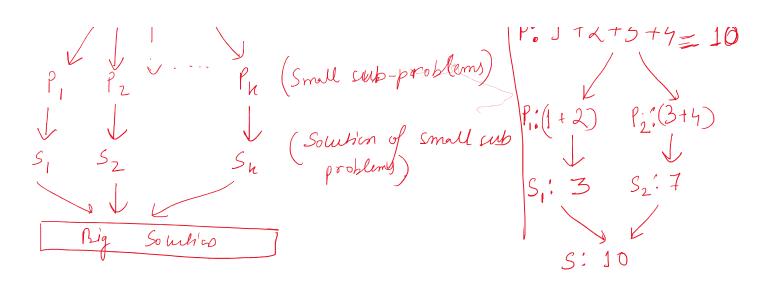
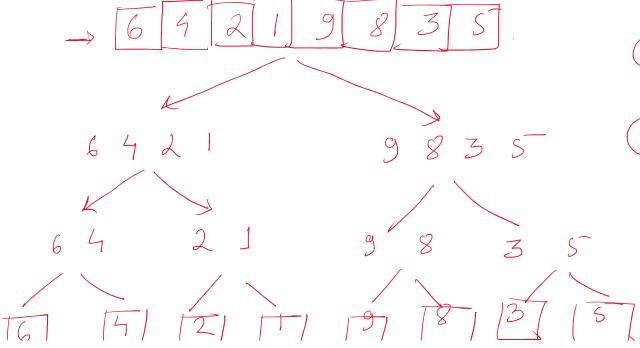
Divide l'Conquer - Technique to design algorishmy.

Big Problem | & - P. J + 2 + 3 + 4 = 10



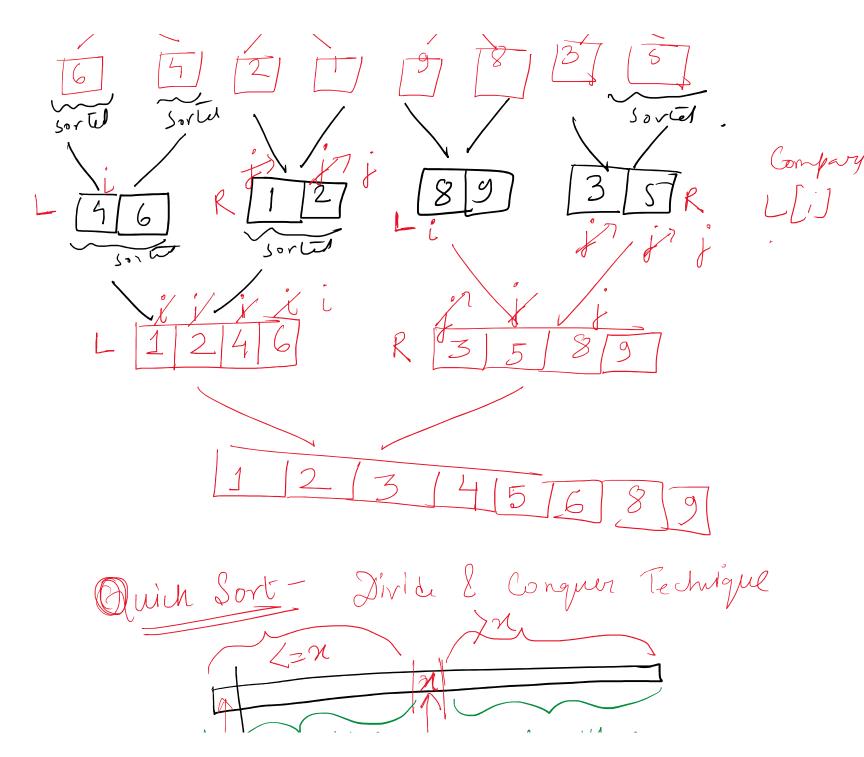
Merge Sort- Divide & Conquer Technique.



Noti-

1) Repeatedly divide the averay into 2 equal parts

2) Combine/Morje 2 sortel overage Into I sortel average



Note pivot element.

q < avr[q]> pivot. Op Eg, have crossed each other Swap (pivot, arr [2]) Oply honor was sed Swap (mor[p] garor [2]) 4=35

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 $\frac{1}{25}$   $\frac{15}{20}$   $\frac{15}$ 80 50 90 45 2) 80 50 45 3) 45 50 80 90