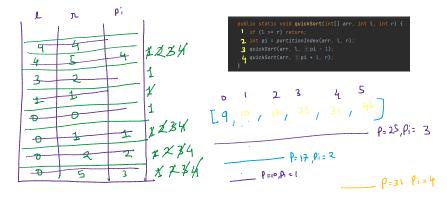
```
21st Feb
  Quick Sonts-
    Partition Indens-4
[2,1,4,5,6], P=5
j-1
  [2, 1, 5, 3, 4] P2 4, Ai=3
[1,2] | Park [ ]
                                void as(as, l, R){
                                    y (12 12) netwn.
                                    Pi= Part Hon Inden (ash, 2)
                                    OS(our, l, Pi-1);
                                    QS(as, Pi+1, N);
 Pivota 6 , N= 5
   i= 8x48486
   j=812
```



T. L = nlog(n) S. C = O(L)

$$[17, 10, 35, 14, 13] > [10, 13, 14, 13, 35]$$

$$[10, 13, (17), 35, 14] \land n > 5$$

$$[10, 13, (17), 35, 14] \land n > 5$$

$$[10, 13, (17), 35, 14] \land n = n \log(n)$$

 $log(n) \times n = n log(n)$ [14,35] n 2+2=4~5 [10] E1,2,3,4,5,6,7], n= 7 $0 \times 0 = 0^{2}$ - [1,2,34,5,6] EJ $\frac{1}{2}$ $\frac{2}{2}$ $\frac{1}{2}$ L 121317 8] - [1, 2,3,7] E) [1,2,3] _[,,,])(] II) $\begin{bmatrix} 1 & 2 & 3 & 4 \\ 1 & 4 & 3 & 2 & 5 \end{bmatrix}$ $\begin{bmatrix} 4 & 3 & 2 & 5 \end{bmatrix}$ $\begin{bmatrix} 4 & 3 & 2 & 5 \end{bmatrix}$ $\begin{bmatrix} 4 & 3 & 2 & 5 \end{bmatrix}$ $\begin{bmatrix} 2 & 3 & 4 \\ 2 & 3 & 4 \end{bmatrix}$ C) [1,4] $\begin{bmatrix} 3 \end{bmatrix}$

2-D Amay :-

$$2-D \text{ Amay :-}$$

$$avs \begin{bmatrix} 10, 10, 30, 90, 90, 50 \end{bmatrix}$$

$$\begin{bmatrix} 0 \\ 1, 2, 3, 9, 5 \end{bmatrix}$$

$$\begin{bmatrix} 1 \\ 6, 7, 8, 9, 5 \end{bmatrix}$$

$$\begin{bmatrix} 1 \\ 2 \\ 11, 12, 13, 14, 15 \end{bmatrix}$$

$$\begin{bmatrix} 10, 12, 13, 14, 15 \end{bmatrix}$$

$$\begin{bmatrix} 10, 12, 13, 14, 15 \end{bmatrix}$$

sout (ars[0][2])