(-10) 3 8 17 11 59 23 -4 0 79 67 12

- Pivot = -10   P = Pointer for greater elements then pivot

    Q = small

(-10)   3   8   17   11   59   23 -4 0 79 67 12
        ↑
        P

        Shap P & Q

(-10) -4   8   17   11   59   23   3   0   79   67 12

Pivot = -4   No swap
Pivot = 8

(8)   17   (11)   59   23   3   0   79   67   12

            Swap P & Q

(8)   (L)   11   59   23   3   17   79   67   12
        →
        P   P

    swap P & Q

(8)   0   3   59   23   11   17   79   67   12
      ↱ ↗
     P ↑ P
        Q
        P q Q crossed each other

Replace P by 2

    3   0   (8)   59   23   11   17   79   67   12
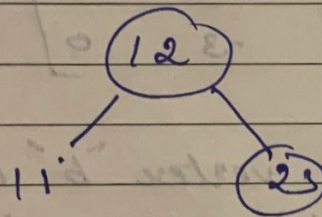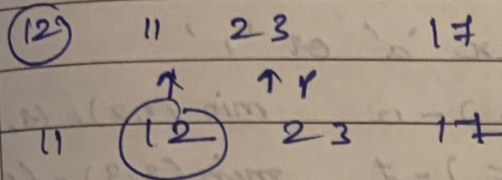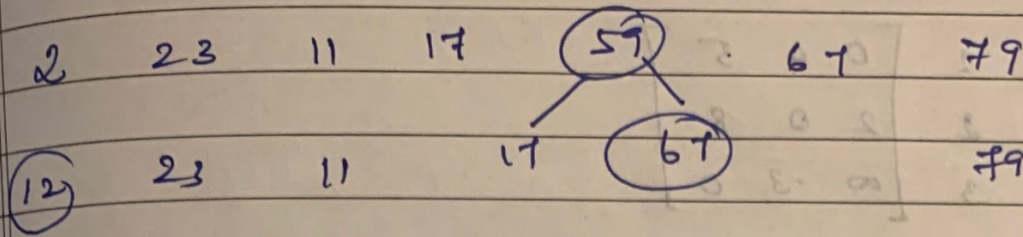P=3 (3)   (59)   P = 59

Replace P by q   23   11   17   79   67   12
    0 (3)   ↑   ↑
                        P   P

            (59)   23   11   17   12   67   79
            ↑   ↑   ↑
            P   Q   P

P & Q

| 2 | 23 | 11 | 17 | (59) | 67 | 79 |

| (12) | 23 | 11 | | 17 | (67) | | 79 |

| (129) | 11 | 23 | 17 |
| 11 | (12) | 23 | 17 |

$P = 23$

(12)

11   (23)

Sorted Array is

| −10 | −4 | 0 | 3 | 11 | 12 | 17 | 23 | 67 | 79 |