The quel.

The quicksort algorithm works by selecting a privat element from the array and partitioning the other elements into two sub-arrays, according to whether they are less than or greater than the pivot, The pivot element itself ends up in its finial sorted position,

A= 23, 1, 2, 4, 5, 8, 7, 6, 93

All elements the left of the pivot are less than or equal to the pivot All elements the night of the pivot are greather than or equal to the pivot

- olf 3 were the pivot, then I and 2 being the left would be correct, but 4,5,8,7,6,9 being the right would not be correct because 4 25 are greathen than 3
- being to its right would be a correct puntition
- The Same logic apples to 5' being the plot with 3, 2,2,4 to the left and 8,7,6,4 to the night
- * First element greater than 5 cannot be the pivot because there are elements to their night that are less than them, which violates the portitioning principle.
- Thus with a correct partitioning the possible pivots could be '4' or '5'.