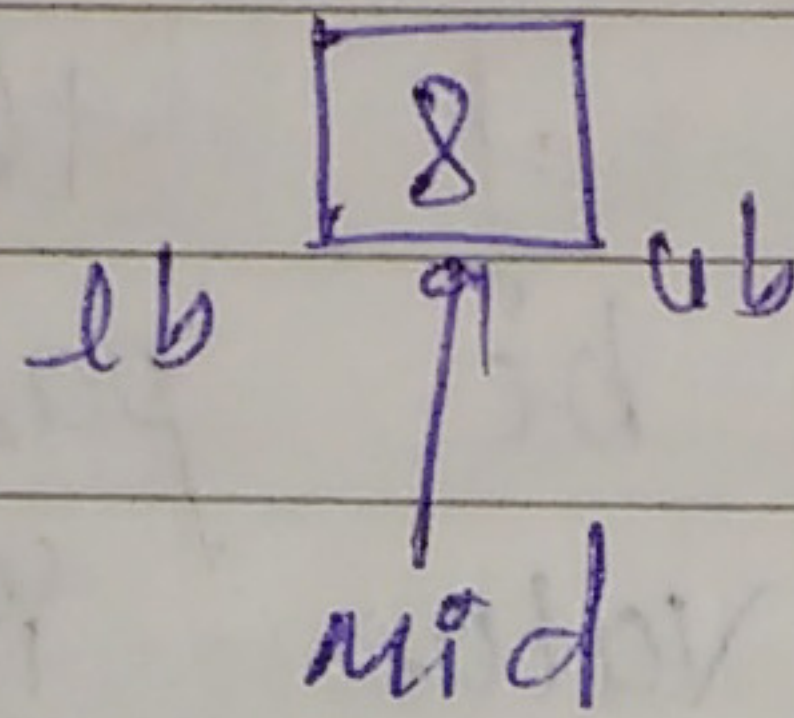
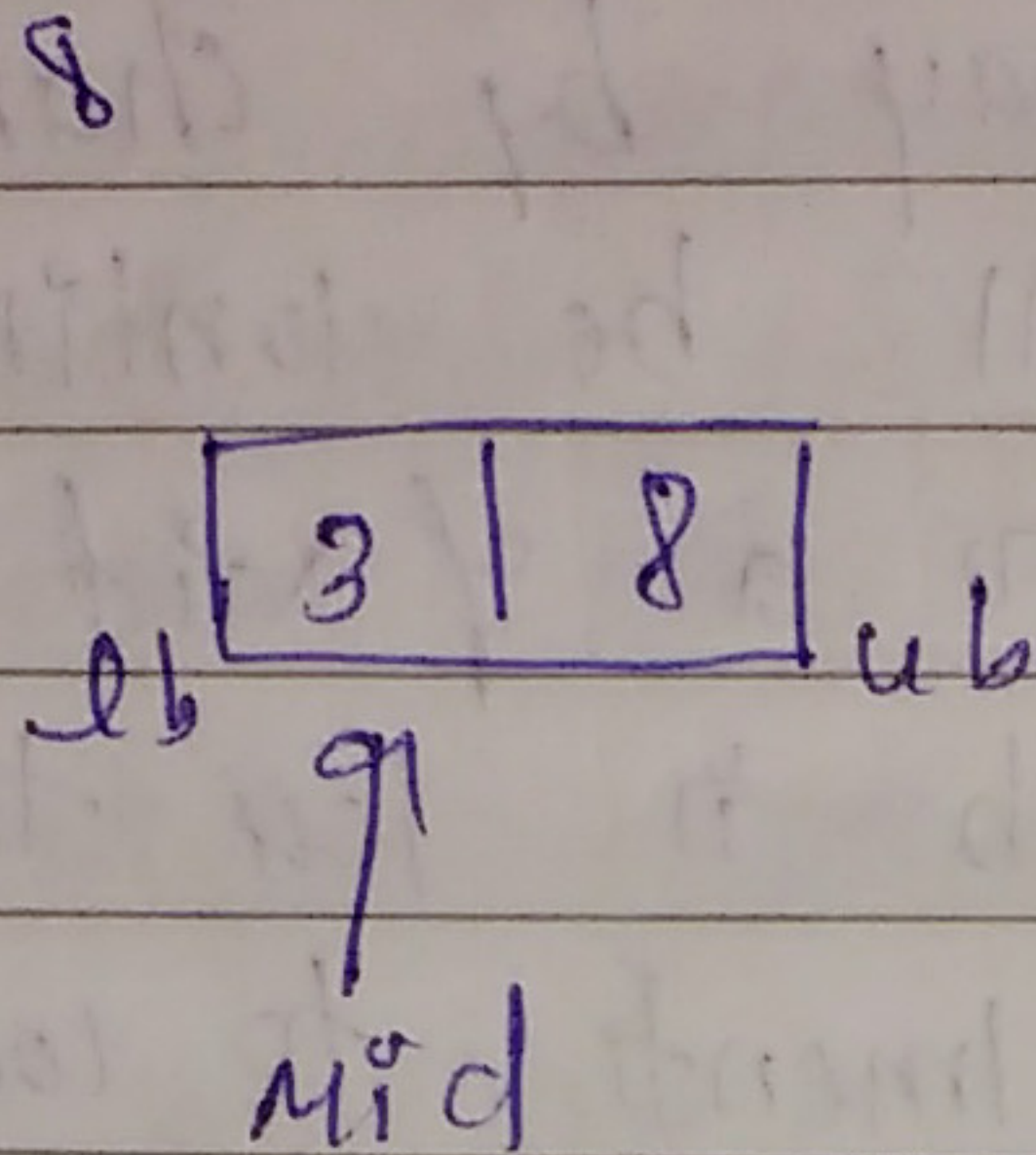


key value



do

{

$$\text{mid} = (\text{lb} + \text{ub}) / 2$$

if (key value < a[mid])

$$\text{ub} = \text{mid} - 1$$

else if (key value > a[mid])

$$\text{lb} = \text{mid} + 1;$$

} while (key value != a[mid] && lb <= ub);

if (key value == a[mid])

printf("In search is successful");

else

printf("\n search is failuer");