for loop i=0 to length farmay;
if are [i] = = target:
return i Search = lime Empley = o(n) Rivery Serch - time Complexity = 0 ( log n) end = middle -/

end = middle -/ Time Complexity Midde = 1/2 end = legth of arr while start = end: middle = start tend = if arr [middle] == target:

n return middle else if air [middle] < taget: rate of ar condde] > tayet end = middle -1 Stanch in Robbled Sorbel 6 < 1 X mid = (ste)/2

mid = (ste)/2

if orr[m] == twjet

return m

also if arr [start] <= arr[middle]:

Lo if (arr[start] <= tayet) and (tayet < arr[middle]):

else if arr [middle] < arr [end]:

Lo if (arr[end] > tayet) and (tayet > arr [middle]):

start = middle+1

else

else = middle-1

adurn-1