```
1. Algorithm countdistinct(A,n)
2. {
3.
    distinctcount:=0 ---->1
4.
    for i:=0 to n do ---->sum i=0 to n
5.
       Isdistinct:=true ---->1
6.
       for j:=0 to I do ---->sum j=0 to i
7.
          If A[i] == A[i] then ---->1
8.
           Isdistinct:=false ---->1
9.
           Break ---->1
10.
       If isdistinct==true then ---->1
         distinctcount=distinctcount+1 ---->1
11.
12.
    return distinctcount ---->1
13. }
14. =======
15. ANALYSIS
      13.
           Time CompleXit
16. CS Scanned with CamScanne
```

18. TIME COMPLEXITY

19. Best-case time complexity is O(n)

20.Worst-case time complexity is O(n^2)

21. Average-case time complexity is $O(n^2)$.