Dashbo... / My cour... / CS23331-DAA-2023-... / Finding Time Complexity of Algorit... / Problem 4: Finding Complexity using Counter Me...

Started on	Tuesday, 13 August 2024, 2:49 PM
State	Finished
Completed on	Tuesday, 27 August 2024, 1:49 PM
Time taken	13 days 23 hours
Marks	1.00/1.00
Grade	10.00 out of 10.00 (100 %)

```
Question 1
Correct
Mark 1.00 out of 1.00
```

Convert the following algorithm into a program and find its time

Answer:

```
#include<stdio.h>
 2 v int main(){
 3
         int n,a=0;
         scanf("%d",&n);
 4
 5
         int c=0;
 6
         a++;
 7 -
         for(int i=n/2;i<n;i++,a++){</pre>
 8
              for(int j=1;j<n;j=2*j,a++){</pre>
                  for(int k=1;k<n;k=k*2,a++){</pre>
 9
10
                       c++;
11
                       a++;
12
                  }
13
                  a++;
              }
14
15
              a++;
16
         }
17
         a++;
18
         printf("%d",a);
19
         a++;
20
```

	Input	Expected	Got	
~	4	30	30	~
~	10	212	212	~

Passed all tests!

Correct

Marks for this submission: 1.00/1.00.

→ Problem 3: Finding Complexity using Counter Method

Jump to...

Problem 5: Finding Complexity using counter method ►