```
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>
   void function();
 3 int main()
 4 ▼ {
 5
        int n;
 6
         scanf("%d",&n);
 7
         function(n);
 8
 9
    void function(int n)
10 ▼ {
11
        int c = 0;
12
        C++;
13
         c-=n;
         for(int i=n/2; i < n; i++)
14
15
16
             c+=n;
17
             for(int j=1; j < n; j = 2 * j)
18
19
20
                 for(int k=1; k < n; k = k * 2)
21
22
                     C++;
23
                 }
24
                 C++;
25
             }
26
             c+=n;
27
         }
28
         C++;
29
30
         printf("%d",c);
31
```

	Input	Expected	Got	
~	4	30	30	~

## 11/20/24, 7:42 AM

	Input	Expected	Got	
~	10	212	212	~

Passed all tests! 🗸



Marks for this submission: 1.00/1.00.

→ Problem 3: Finding Complexity using Counter Method

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Problem 5: Finding Complexity using counter method ►