```
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(int n)
 3 ▼ {
         int c= 0;c++;
 4
 5 🔻
         for(int i=n/2; i<n; i++){c++;</pre>
              for(int j=1; j<n; j = 2 * j){c++;
    for(int k=1; k<n; k = k * 2){c++;</pre>
 6 ▼
 7
 8
                        c++; }
                        c++;}
10
                         c++;}
11
                         C++;
                         printf("%d",c);
12
13
14
    int main()
15
16 🔻 {
17
         int n;
18
         scanf("%d",&n);
19
         function(n);
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

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Problem 5: Finding Complexity using counter method ►