Started on	Thursday, 31 July 2025, 9:14 AM
State	Finished
Completed on	Thursday, 31 July 2025, 9:19 AM
Time taken	4 mins 59 secs
Marks	1.00/1.00

Grade 10.00 out of 10.00 (**100**%)

```
Convert the following algorithm into a program and find its time
```

Answer:

Reset answer

```
#include<stdio.h>
 1
 2
 3
    void function(int);
 4
5
    void function(int n)
 6 ▼ {
 7
        int count=0;
 8
        int c= 0;
        count++;
        for(int i=n/2; i<n; i++)</pre>
10
11 🔻
            count++;
12
13
            for(int j=1; j<n; j = 2 * j)
14
15 ▼
16
                 count++;
17
                 for(int k=1; k < n; k = k * 2)
18 ▼
19
                     count++;
20
                     C++;
21
                     count++;
22
23
                 count++;
24
25
            count++;
26
27
         count++;
         printf("%d",count);
28
29
30
31
    int main()
32
33 ▼ {
34
        int n;
scanf("%d",&n);
35
        function(n);
36
37 }
```

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

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.