Started on	Thursday, 31 July 2025, 8:37 AM
State	Finished
Completed on	Thursday, 31 July 2025, 8:55 AM
Time taken	18 mins 42 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 complexity using the counter method.

```
void func(int n)
{
    if(n==1)
    {
      printf("*");
    }
    else
    {
     for(int i=1; i<=n; i++)
     {
       for(int j=1; j<=n; j++)
       {
          printf("*");
          printf("*");
          break;
       }
     }
    }
}
```

Note: No need of counter increment for declarations and scanf() and count variable printf() statements.

Input:

 A positive Integer n

Output:

Print the value of the counter variable

Answer: (penalty regime: 0 %)

Reset answer

```
1   #include<stdio.h>
2
3   void func(int);
4
5   void func(int n)
6 ▾ {int c=0;
7
8       if(n==1)
9 ▾     {
10         c++;
11        // printf("*");
12         c++;
13       }
14       else
15 ▾     {
16        c++;
17        for(int i=1; i<=n; i++)
18 ▾      {
19           c++;
20          for(int j=1; j<=n; j++)
21 ▾        {
22            c++;
23           // printf("*");
24            c++;
25           // printf("*");
26            c++;
27             break;
28          }
29          c++;
30        }
31        c++;
32      }
```

```
33        printf("%d",c);
34    }
35
36    int main()
37  ▾ {
38        int n;
39        scanf("%d",&n);
40        func(n);
41    }
```

	Input	Expected	Got	
✔	2	12	12	✔
✔	1000	5002	5002	✔
✔	143	717	717	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.