

CSES Problem Set

Weird Algorithm

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Submission details

Task:	Weird Algorithm
Sender:	josueMamani
Submission time:	2025-10-03 01:25:54 +0300
Language:	C++ (C++17)
Status:	READY
Result:	ACCEPTED

Test results ▲

test	verdict	time	
#1	ACCEPTED	0.00 s	»
#2	ACCEPTED	0.00 s	»
#3	ACCEPTED	0.00 s	»
#4	ACCEPTED	0.00 s	»
#5	ACCEPTED	0.00 s	»
#6	ACCEPTED	0.00 s	»
#7	ACCEPTED	0.00 s	»
#8	ACCEPTED	0.00 s	»
#9	ACCEPTED	0.00 s	»
#10	ACCEPTED	0.00 s	»
#11	ACCEPTED	0.00 s	»
#12	ACCEPTED	0.00 s	»
#13	ACCEPTED	0.00 s	»
#14	ACCEPTED	0.00 s	»

Code ▲

```

1  #include<iostream>
2  using namespace std;
3  int main(){
4      long long int n;
5      cin>>n;
6
7      cout<<endl;
8      if(n!=1){
9
10         cout<<n<<" ";
11     }
12     do{

```

Introductory Problems

Weird Algorithm	<input checked="" type="checkbox"/>
Missing Number	<input checked="" type="checkbox"/>
Repetitions	<input checked="" type="checkbox"/>
Increasing Array	<input checked="" type="checkbox"/>
Permutations	<input checked="" type="checkbox"/>
Number Spiral	<input type="checkbox"/>
Two Knights	<input type="checkbox"/>
Two Sets	<input checked="" type="checkbox"/>

...

Your submissions

2025-10-03 01:25:54	<input checked="" type="checkbox"/>
2025-10-03 01:21:35	<input type="checkbox"/>
2025-10-03 01:21:11	<input checked="" type="checkbox"/>
2025-10-03 01:20:36	<input type="checkbox"/>
2025-10-03 01:17:37	<input type="checkbox"/>
2025-10-03 01:15:56	<input checked="" type="checkbox"/>
2025-10-03 01:14:48	<input type="checkbox"/>
2025-10-03 01:09:15	<input type="checkbox"/>
2025-10-03 01:03:12	<input type="checkbox"/>

```

13     if(n==1){
14         cout<<n<<endl;
15         break;
16     }
17     if(n%2==0){
18         n=n/2;
19         cout<<n<<" ";
20     }else{
21         n=(n*3)+1;
22         cout<<n<<" ";
23     }
24 }while(n!=1);
25
26 return 0;
27 }



```



[SHARE CODE TO OTHERS](#)



Test details ▲

Test 1

Verdict: ACCEPTED



input	
7	 



correct output	
7 22 11 34 17 52 26 13 40 20 1...	 



user output	
7 22 11 34 17 52 26 13 40 20 1...	 

Test 2

Verdict: ACCEPTED



input	
15	 



correct output	
15 46 23 70 35 106 53 160 80 4...	 

user output	
15 46 23 70 35 106 53 160 80 4...	 

Test 3

Verdict: ACCEPTED



input	
27	 

correct output	
27 82 41 124 62 31 94 47 142 7...	 

user output	
27 82 41 124 62 31 94 47 142 7...	Truncated

Test 4

Verdict: ACCEPTED



input	
255	 



correct output	
255 766 383 1150 575 1726 863 ...	 

user output	
255 766 383 1150 575 1726 863 ...	Truncated

Test 5

Verdict: ACCEPTED

input	
447	 

correct output	
447 1342 671 2014 1007 3022 15...	 

user output	
447 1342 671 2014 1007 3022 15...	Truncated

Test 6

Verdict: ACCEPTED

input	
-------	--

138367

**correct output**

138367 415102 207551 622654 31...

**user output**

138367 415102 207551 622654 31...

Truncated

Test 7

Verdict: ACCEPTED

input

159487

**correct output**

159487 478462 239231 717694 35...

**user output**

159487 478462 239231 717694 35...

Truncated

Test 8

Verdict: ACCEPTED

input

270271

**correct output**

270271 810814 405407 1216222 6...

**user output**

270271 810814 405407 1216222 6...

Truncated

Test 9

Verdict: ACCEPTED

input

665215



correct output

665215 1995646 997823 2993470 ...

**user output**

665215 1995646 997823 2993470 ...

Truncated

Test 10

Verdict: ACCEPTED

input

704511

**correct output**

704511 2113534 1056767 3170302...

**user output**

704511 2113534 1056767 3170302...

Truncated

Test 11

Verdict: ACCEPTED

input

5

**correct output**

5 16 8 4 2 1

**user output**

5 16 8 4 2 1

**Test 12**

Verdict: ACCEPTED



input

1

**correct output**



1





user output	
1	 

Test 13

Verdict: ACCEPTED



input	
2	 



correct output	
2 1	 

user output	
2 1	 

Test 14

Verdict: ACCEPTED

input	
114514	 

correct output	
114514 57257 171772 85886 4294...	 

user output	
114514 57257 171772 85886 4294...	Truncated