

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 ProblemsWeird Algorithm Missing Number Repetitions Increasing Array Permutations Number Spiral Two Knights Two Sets

...

Your submissions2025-10-03 01:25:54 2025-10-03 01:21:35 2025-10-03 01:21:11 2025-10-03 01:20:36 2025-10-03 01:17:37 2025-10-03 01:15:56 2025-10-03 01:14:48 2025-10-03 01:09:15 2025-10-03 01:03:12 

```
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 |