 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem :4	Name : Hasti Hajipara	
Day : 108	Date : 2/2/2023	Enrollment No: 92100133052

CP Club 365 Days Challenge

Programming language – Any language


Problem Statement

<https://www.codechef.com/START76B/problems/NOTDIVISIBLE>

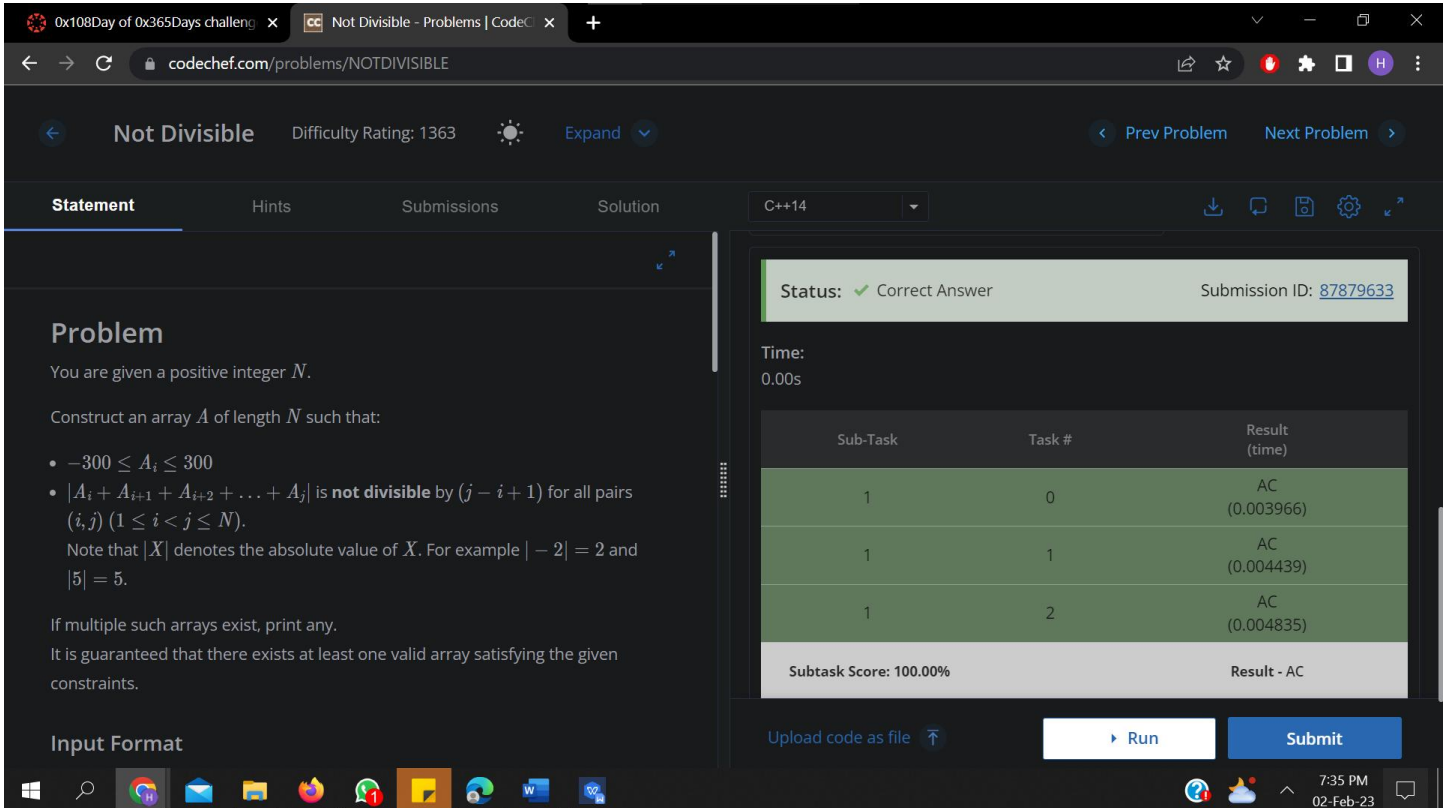
Your Code:

```
#include <iostream>
using namespace std;

int main() {
    // your code goes here
    int t;
    cin>>t;
    while(t--){
        int n;
        cin>>n;
        for(int i=0;i<n/2;i++){
            cout<<"1 2 ";
        }
        if(n%2!=0){
            cout<<1;
        }
        cout<<endl;
    }
    return 0;
}
```

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Output (Screen Shot):



The screenshot shows the CodeChef interface for the problem "Not Divisible". The problem statement is on the left, and the solution status is on the right.

Problem Statement:

You are given a positive integer N .

Construct an array A of length N such that:

- $-300 \leq A_i \leq 300$
- $|A_i + A_{i+1} + A_{i+2} + \dots + A_j|$ is **not divisible** by $(j - i + 1)$ for all pairs (i, j) ($1 \leq i < j \leq N$).

Note that $|X|$ denotes the absolute value of X . For example $|-2| = 2$ and $|5| = 5$.

If multiple such arrays exist, print any.

It is guaranteed that there exists at least one valid array satisfying the given constraints.

Input Format

Solution Status: Status: ✔ Correct Answer. Submission ID: [87879633](#)


Time: 0.00s

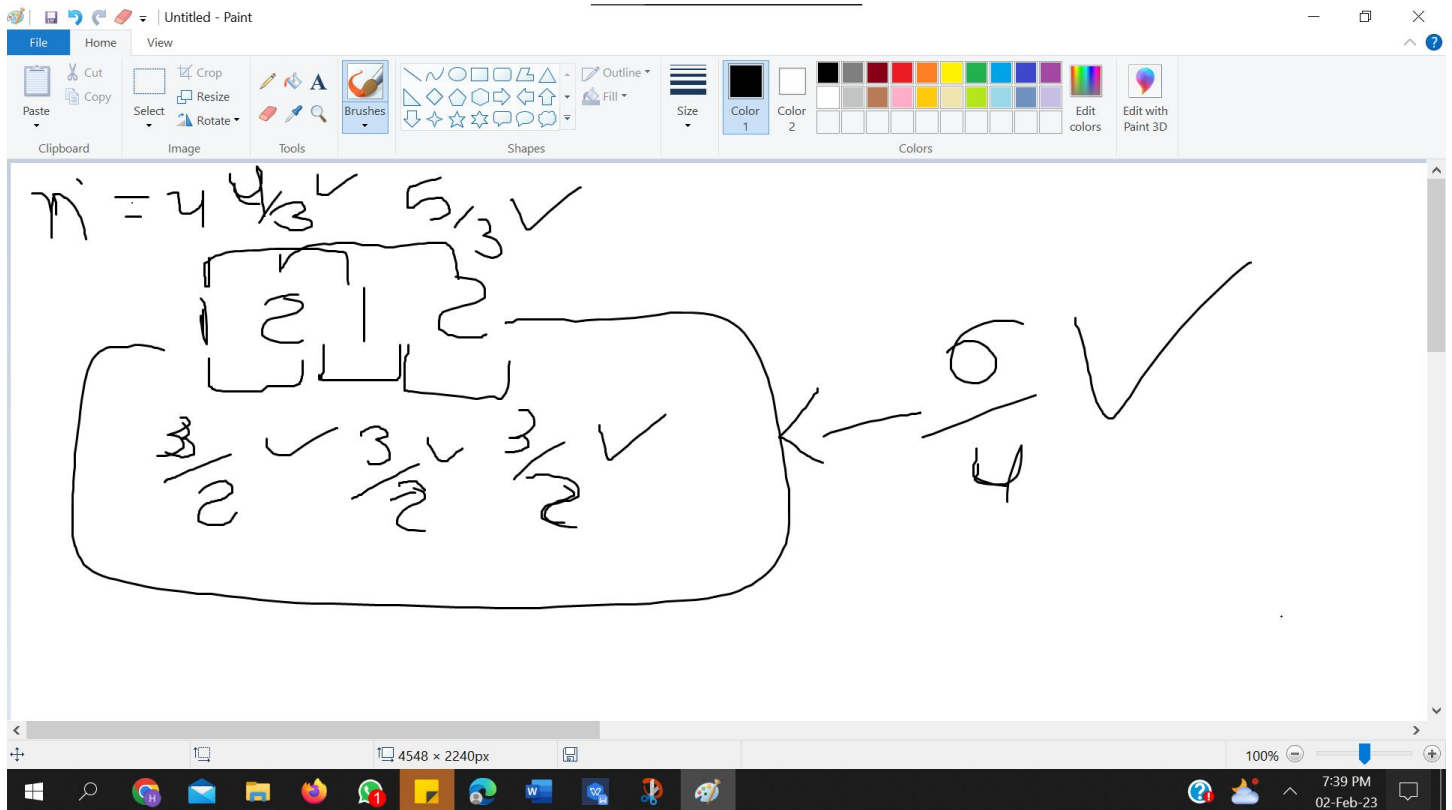
Sub-Task	Task #	Result (time)
1	0	AC (0.003966)
1	1	AC (0.004439)
1	2	AC (0.004835)
Subtask Score: 100.00%		Result - AC

Buttons: Upload code as file, Run, Submit

Understanding about problem:

In This Problem we can Find this Pattern like if we write 1 2 1 2 1 2... then also given Condition is true. For That

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Here Numerator is sum of A_i to A_j and condition is sum of A_i to A_j will not divisible by $j-i+1$. So This array is true for that condition. So we will print 1 2 up to $n/2$ times. if array is even then it's ok. But if array is odd then we print 1 extra.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club