SkillRack

KARTHICK B-1912067@nec

0/10 14 0 0 537 6874

Home Reports Profile Help Logout

LeaderBoard & Prev Day Solution

DAILY CHALLENGE ProgramID- 5987 SkillRack

Check if the Chessboard is Valid or Invalid

A chessboard of size N*N is given as the input to the program. B represents black colored squares and W represents white colored squares. A chessboard is valid only if it has alternate black and white squares both vertically and horizontally. The program must print Valid if the chessboard is valid. Else the program must print Invalid.

Boundary Condition(s):
2 <= N <= 20

Input Format:
The first line contains the value of N.
The next N lines contain the characters either W or B.

Output Format:
The first line contains the either valid or invalid.

Example Input/Output 1:
Input:
4
WBWB
BWBW
WBWB
BWBW

Output:
Valid

Example Input/Output 2:
Input:

4
WBWB
BWBW
WBWB
BWBB

Output:
Invalid

Max Execution Time Limit: 5000 millisecs

Ambiance

Java (12.0)

Reset

```java
import java.util.*;
public class Hello {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        int n = sc.nextInt();

        //To fix \0 at end of getting input of n...
        sc.nextLine();

        char expect='W';
        char last ='T';

        for(int j=0;j<n;j++){



            char[] s= sc.nextLine().toCharArray();
            expect=s[0];

            if(expect==last){
                System.out.println("Invalid");
                return;
            }

            for(char i:s){
              //  System.out.println(i+" - "+expect);
                if(expect==i) expect= i=='B' ? 'W' :'B';
                else{
                    System.out.println("Invalid");
                    return;
                }
            }
```

```
                }
                last = s[0];

            }

            System.out.println("Valid");

        }
}
```

1912067@nec

Code did not pass the execution

Input:

```
4
WBWB
BWBW
WBWB
BWBW
```

Expected Output:

```
Valid
```

Your Program Output:

```
Invalid
```

Save Run