Question **1**

Correct

Marked out of 3.00

Flag question

Write a program that prints a simple chessboard.

Input format:

The first line contains the number of inputs T.
The lines after that contain a different values for size of the chessboard

Output format:

Print a chessboard of dimensions size * size. Print a Print W for white spaces and B for black spaces.

Input:

2
3
5

Output:

WBW

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main(){
int v;
scanf("%d",&v);
while(v > 0){
int x;
scanf("%d",&x);
if(x < 0){
x=-x;
}
char a ='W';
for(int i = 0; i < x ;i++){
for(int j = 0; j < x ;j++){
printf("%c",a);
if(a =='W')
a ='B';
else
a ='W';
}
printf("\n");
if(x%2==0){
if(a =='W')
a='B';
else
a ='W';
}
}
v--;
}
}
```

	Input	Expected	Got	
✓	2	WBW	WBW	✓
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

Flag question

Let's print a chessboard!

Write a program that takes input:

The first line contains T, the number of test cases

Each test case contains an integer N and also the starting character of the chessboard

Output Format

Print the chessboard as per the given examples

Sample Input / Output

Input:

2

2 W

3 B

Output:

WB

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main(){
    int v;
    scanf("%d",&v);
    while(v>0){
        int x;
        char a;
        scanf("%d %c",&x,&a);
        for(int i = 0; i < x;i++){
         for(int j = 0;j < x;j++){
             printf("%c",a);
             if(a=='W')
             {
             a='B';
             }
             else {
             a = 'W';
             }
         }
         if( x%2==0){

    if(a=='W')
             a='B';
             else
             a='W';

         }
         printf("\n");
        }
    v--;
}
}
```

	Input	Expected	Got	
✓	2 2 W 3 B	WB BW BWB WBW BWB	WB BW BWB WBW BWB	✓

Passed all tests! ✓

Question **3**

Correct

Marked out of 7.00

Flag question

Decode the logic and print the Pattern that corresponds to given input.

If N= 3

then pattern will be :

10203010011012

**4050809

****607

If N= 4, then pattern will be:

1020304017018019020

**50607014015016

****809012013

******10011

Constraints

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main(){
    int n,v,p3,c,in,i,i1,i2,t,ti;
    scanf("%d",&t);
    for(ti = 0;ti<t;ti++){
        v=0;
        scanf("%d",&n);;
        printf("Case #%d\n",ti+1);
        for(i=0;i<n;i++){
            c=0;
            if(i>0){
                for(i1=0;i1<i;i1++)
                printf("**");
            }
            for(i1=i;i1<n;i1++){
                if(i>0)
                c++;
                printf("%d0",++v);
            }
            if(i==0){
                p3=v+(v*(v-1))+1;
                in=p3;
            }
            in=in-c;
            p3=in;
            for(i2=i;i2<n;i2++){
                printf("%d",p3++);
                if(i2!=n-1)
                printf("0");
            }
            printf("\n");
        }
    }
}
```

	Input	Expected	Got	
✓	3 3 4 5	Case #1 10203010011012 **4050809 ****607	Case #1 10203010011012 **4050809 ****607	✓
		Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011	Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011	
		Case #3 10203040502602702802903O **607080902202302402 5 ****10011012019020021 ******13014017018 ********15016	Case #3 10203040502602702802903O **607080902202302402 5 ****10011012019020021 ******13014017018 ********15016	

Passed all tests! ✓

Finish review