

Question **1**
Correct
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3.00
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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

BWB

WBW

WBWBW

BWBWB

WBWBW

BWBWB

WBWBW

```
1 #include<stdio.h>
2 int main(){
3     int t;
4     scanf("%d",&t);
5     while(t-->0)
6     {
7         int n;
8         scanf("%d",&n);
9         for(int i=0;i<n;i++)
10        {
11            for(int j=0;j<n;j++)
12            {
13                if((i+j)%2==0)
14                    printf("W");
15                else
16                    printf("B");
17            }
18            printf("\n");
19        }
20    }
21    return 0;
22 }
```


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

Passed all tests! ✓

Question **2**

Correct

Marked out of
5.00

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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

BW

BWB

WBW

BWB

```
1 #include<stdio.h>
2 int main(){
3     int t;
4     scanf("%d",&t);
5     while(t-->0)
6     {
7         int n;char opp, ch;
8         scanf("%d %c",&n,&ch);
9         for(int i=0;i<n;i++)
10        {
11            for(int j=0;j<n;j++)
12            {
13                opp=(ch=='W')?'B':'W';
14                if((i+j)%2==0){
15                    printf("%c",ch);
16                }
17                else
18                    printf("%c",opp);
19            }
20            printf("\n");
21        }
22    }return 0;
23 }
```


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

Passed all tests! ✓

Question **3**

Correct

Marked out of
7.00

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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

$2 \leq N \leq 100$

Input Format

First line contains T , the number of test cases

Each test case contains a single integer N

Output

First line print Case # i where i is the test case number

In the subsequent line, print the pattern

```
1 #include<stdio.h>
2 int main(){
3     int t,i;
4     scanf("%d",&t);
5     for(int x=1;x<=t;x++)
6     {
7         printf("Case #%d\n",x);
8         int n;
9         scanf("%d",&n);
10        int f=1,b=n*(n+1);
11        for(i=0;i<n;i++)
12        {
13            for(int k=0;k< 2*i;k++){
14                printf("*");
15            }
16            printf("%d",f);
17            f++;
18            for(int j=2;j<=n-i;j++)
19            {
20                printf("0%d",f);
21                f++;
22            }
23            for(int l=b - (n-i)+1;l<=b;l++)
24            {
25                printf("0%d",l);
26            }
27            b-=n-i;
28            printf("\n");
29
30
31
```

```

32
33     }
34
35     } return 0;
36 }
37

```

	Input	Expected	Got	
✓	3	Case #1	Case #1	✓
	3	10203010011012	10203010011012	
	4	**4050809	**4050809	
	5	****607	****607	
		Case #2	Case #2	
		1020304017018019020	1020304017018019020	
		**50607014015016	**50607014015016	
		****809012013	****809012013	
		*****10011	*****10011	
		Case #3	Case #3	
		102030405026027028029030	102030405026027028029030	
		**6070809022023024025	**6070809022023024025	
		****10011012019020021	****10011012019020021	
		*****13014017018	*****13014017018	
		*****15016	*****15016	

Passed all tests! ✓