

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

BWB

WBW

WBWBW

BWBWB

WBWBW

BWBWB

WBWBW

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     for(int i=0;i<n;i++){
7         int a;
8         char c1='B',c2='W';
9         scanf("%d",&a);
10        for(int j=0;j<a;j++){
11            if(j%2!=0){
12                c1='W',c2='B';
13            }
14            else{
15                c1='B',c2='W';
16            }
17        }
18    }
```

SOURCE CODE

RESULT

```
20 }
21 else{
22     printf("%c",c2);
23 }
24 }
25 printf("\n");
26 }
27 }
28 return 0;
29 }
```

	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
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5.00
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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
BW
WBW
WBW
WBW
```

SOURCE CODE

```

1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     for(int i=0;i<n;i++)
7     {
8         int a;
9         char b,c1='W',c2='B',temp;
10        scanf("%d %c",&a,&b);
11        for (int j=0;j<a;j++)
12        {
13
14
15            if ((j%2)==0)
16            {
17                if(b!=c1)
18                {
19                    c2=c1;
20                    c1=b;}
21            }
22            else
23            {
24                temp=c1;
25                c1=c2;
26                c2=temp;
27            }
28
29        for( int k=0;k<a;k++)
30        {
31            if(k%2==0)
32            {
33                printf("%c",c1);
34            }
35            else
36            {
37                printf("%c",c2);
38            }
39        }
40        printf("\n");
41    }
42    return 0;
43 }
44 }
45 }
46 }
47 }
48 }

```

RESULT

	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
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

2 <= N <= 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

Test Case 1

3

3

4

5

Output

Case #1

10203010011012

**4050809

****607

SOURCE CODE

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     for(int i=1;i<=n;i++)
7     {
8         int a;
9         scanf("%d",&a);
10        int l=1,s=a,t=(a*(a+1))-a+1;
11        printf("Case %d\n",i);
12        for(int j=0;j<a;j++)
13        {
14            int k=2*j;
15            int t1=t;
16            while(k>0)
17            {
18                printf("%c",'*');
19                k--1;
20            }
21            for(int p=0;p<s;p++)
22            {
23                printf("%d",l);
24                l+=1;
25                printf("%d",0);
26            }
27            for(int q=0;q<s;q++)
28            {
29                printf("%d",t1);
30                t1+=1;
31                if(q==(s-1))
32                {
33                    break;
34                }
35                printf("%d",0);
36            }
37        }
38        s--1;
39        t--s;
40        printf("\n");
41    }
42    return 0;
43 }
```

RESULT

	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! ✓