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ROLL NO.:240801174

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Duration	26 days 20 hours

Q1) 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 value for size of the chessboard

Output format:

Print a chessboard of dimensions size * size.

Print W for white spaces and B for black spaces.

Sample Input:

2

3

5

Sample Output:

WBW

BWB

WBW

WBWBW

BWBWB

WBWBW

BWBWB

WBWBW

Code:

```
wer. (penalty regime o 70)
1 #include<stdio.h>
2 int main()
3 + {
4
5
6
7
         int a ,b;
         char c;
scanf("%d",&a);
while(a--)
8 =
              scanf("%d %c",&b,&c);
for( int i =0 ; i<b ; i ++)</pre>
10
11 :
12
                   for( int j = 0 ;j<b; j++)</pre>
13
                       if (c == 'W')
14
15
                            if ((i + j)\%2 == 0)
16
17
                            {
18
                                printf("W");
19
                           else
{
20
21 •
                                printf("B");
22
                            }
23
24
                            else
25
26 1
                                if( ( i+ j)%2==0)
27
28 =
                                     printf("B");
29
30
31
                                else
32 1
                                     printf("W");
33
35
36
37
                  printf("\n");
38
39
40
41
         return 0;
42 }
```

OUTPUT:

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
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Q2) 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:
2
2 W
3 B
Sample Output:
WB
BW
BWB
WBW
BWB
Code:

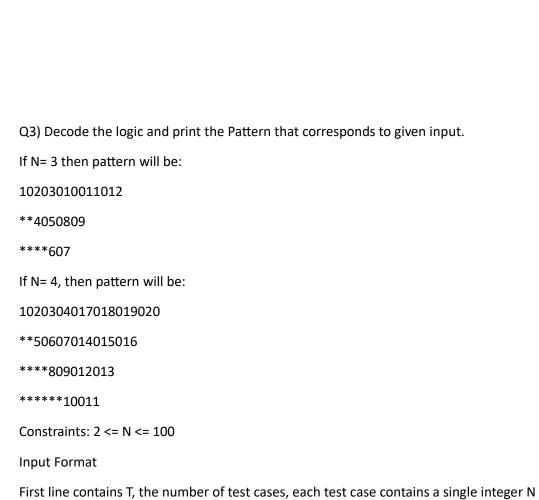
wer. (penalty regime o 70)

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

OUTPUT:

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

Passed all tests! <



First line print Case #i where i is the test case number, In the subsequent line, print the
pattern
Sample Input
3
3
4
5
Sample Output
Case #1
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
*******15016

Output Format

Code:

```
renowers (penany regime, o roy
1 Winclude<stdio.h>
2 int main()
              int p,q,r,s,t = 1 ,u,ans,v ;
scanf("%d",&p);
while(t<=p)
                   scanf("%d",&q);
printf("Case #%d \n",t);
   10
                   S=1;
   11
                   u=1;
  12
13
                   v=0;
                   while(s<=q)
  14
                       r=1;
ans = (q*q);
ans = ans - v;
while(r<=2*q)
   16
   17
   18
   19
  20
21
22
                                  if(rks)
   23
                                   printf("**");
  24
25
26
27
28
                                  else if(r<=q)
                                       printf("%d",u*10);
  29
                                       u++;
   31
                              }else{
                                  if((r+s)==(2*q)+1)
  32
33
34
35
36
37
38
39
40
41
                                       printf("%d",(ans+ s));
                                      ans++;
                                       V++;
                                  felse if (r+s<=(2*q)+1){
    printf("%d",(ans+s)*10);</pre>
                                       ans++;
                                       V++;
  42
43
44
45
                             r++;
   46
   47
                        printf("\n");
   48
   49
                   t++;
  50
51
52 }
              return 0;
```

OUTPUT:

	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! <