GE23131-Programming Using C-2024

Quiz navigation

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Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Saturday, 14 December 2024, 2:54 PM
Duration	9 days 2 hours

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

Output:

WBW

BWB

WBW

WBWBW

BWBWB

WBWBW

BWBWB

WBWBW

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main(){
    int T,d,i=0,i1,i2,o;
char c;
scanf("%d",&T);
while(i<T){
scanf("%d",&d);
i1=0;
while(i1<d){
o=1;
i2=0;
if(i1%2==0){
o=0;
}
while(i2<d){
c='B';
if(i2%2==o){
c='W';
}
printf("%c",c);
```

```
24    printf("\n");
25        }
26        i=i+1;
27        }
28    }
```

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

Sample Input / Output

Input:

2

2 W

3 B

Output:

WB

BW

BWB

WBW

BWB

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main(){
    int T,d,i,i1,i2,o,z;
    char c,s;
    scanf("%d",&T);
    for(i=0;i<T;i++){
        scanf("%d %c",&d,&s);
        for(i1=0;i1<d;i1++){
            z=(s=='W')?0:1;
            o=(i1%2==z)?0:1;
```

```
14                    }
15                printf("\n");
16            }
17        }
18        return 0;
19  }
```

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

Passed all tests! ✓

Question 3

Incorrect

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

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

5

Output

Case #1

10203010011012

**4050809

****607

Case #2

1020304017018019020

**50607014015016

****809012013

******10011

Case #3

10203040502602702802903O

**6070809022023024025

****10011012019020021

******13014017018

********15016

Answer: (penalty regime: 0 %)

```
1  #include <stdio.h>
2  int main(){
3      int n,v,p3,c,in,i1,i2,t,ti,i;
4      scanf("%d",&t);
5      for(ti=0;ti<t;t++){
```

```
 9      for(i=0;i<n;i++){
10          c=0;
11          if(i>0){
12              for(i1=0;i1<i;i1++) printf("**");
13          }
14          for(i1=i;i1<n;i1++){
15              if(i>0) c++;
16              printf("%d0",++v);
17          }
18          if(i==0){
19              p3=v+(v*(v-1))+1;
20              in=p3;
21          }
22          in=in-c;
23          p3=in;
24          for(i2=i;i2<n;i2++){
25              printf("%d",p3++);
26              if(i2!=n-1) printf("0");
27          }printf("\n");
28      }
29   }
30 }
```

	Input	Expected	Got	
✗	3 3 4 5	Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 10203040506027028029030	Case #1 10203010011012 **4050809 ****607 Case #1 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #1 10203040506027028029030	✗

```
                13014017018                    13014017018
********15016                         ********15016
                                      Case #1
                                      10203040450026027028029030
                                      **60708090022023024025
                                      ****100110112019020021
                                      ******13014017018
                                      ********15016
                                      Case #1
                                      10203040450026027028029030
                                      **60708090022023024025
                                      ****100110112019020021
                                      ******13014017018
                                      ********15016
                                      Case #1
                                      10203040450026027028029030
                                      **60708090022023024025
                                      ****100110112019020021
                                      ******13014017018
                                      ********15016
                                      Case #1
                                      10203040450026027028029030
                                      **60708090022023024025
                                      ****100110112019020021
                                      ******13014017018
                                      ********15016
                                      Case #1
                                      10203040450026027028029030
                                      **60708090022023024025
                                      ****100110112019020021
                                      ******13014017018
                                      ********15016
                                      Case #1
                                      10203040450026027028029030
                                      **60708090022023024025
                                      ****100110112019020021
                                      ******13014017018
                                      ********15016
```

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 60708090220230241025
****100110120190200021
******13014017018
********15016
Case #1
10203040502602702802903 0
**60708090220230241025
****100110120190200021
******13014017018
********15016
Case #1
10203040502602702802903 0
**60708090220230241025
****100110120190200021
******13014017018
********15016
Case #1
10203040502602702802903 0
**60708090220230241025
****100110120190200021
******13014017018
********15016
Case #1
10203040502602702802903 0
**60708090220230241025
****100110120190200021
******13014017018
********15016
Case #1
10203040502602702802903 0
**60708090220230241025
****100110120190200021
******13014017018
********15016
Case #1
10203040502602702802903 0
**60708090220230241025
****100110120190200021
```

```
Case #1
10203040505026027028029030
**60708090022023024025
****100110120119020021
******13014017018
********15016
Case #1
10203040505026027028029030
**60708090022023024025
****100110120119020021
******13014017018
********15016
Case #1
10203040505026027028029030
**60708090022023024025
****100110120119020021
******13014017018
********15016
Case #1
10203040505026027028029030
**60708090022023024025
****100110120119020021
******13014017018
********15016
Case #1
10203040505026027028029030
**60708090022023024025
****100110120119020021
******13014017018
********15016
Case #1
10203040505026027028029030
**60708090022023024025
****100110120119020021
******13014017018
********15016
Case #1
10203040505026027028029030
```

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       13014017018
********15016
Case #1
10203040502602702802903O
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
10203040502602702802903O
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
10203040502602702802903O
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
10203040502602702802903O
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
10203040502602702802903O
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
10203040502602702802903O
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
```

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**60708090220230247025
****100110120190200021
******13014017018
********15016
Case #1
10203040506026027028029030
**60708090220230247025
****100110120190200021
******13014017018
********15016
Case #1
10203040506026027028029030
**60708090220230247025
****100110120190200021
******13014017018
********15016
Case #1
10203040506026027028029030
**60708090220230247025
****100110120190200021
******13014017018
********15016
Case #1
10203040506026027028029030
**60708090220230247025
****100110120190200021
******13014017018
********15016
Case #1
10203040506026027028029030
**60708090220230247025
****100110120190200021
******13014017018
********15016
Case #1
10203040506026027028029030
**60708090220230247025
****100110120190200021
```

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Case #1
102030405026027028029030
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240 25
****10011012 ...snip...
11012019020021
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240 25
****100110120190200 21
******13014017018
********15016
Case #1
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        10011012019020021
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240250
****100110120190200210
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240250
****100110120190200210
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240250
****100110120190200210
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240250
****100110120190200210
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240250
****100110120190200210
******13014017018
********15016
Case #1
102030405026027028029030
**60708090220230240250
****100110120190200210
******13014017018
```

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10203040506027028029030
**60708090220230240255
****100110120190200210
******13014017018
********15016
Case #1
10203040506027028029030
**6070809022023024025
****100110120190200210
******13014017018
********15016
Case #1
10203040506027028029030
**6070809022023024025
****100110120190200210
******13014017018
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Case #1
10203040506027028029030
**6070809022023024025
****100110120190200210
******13014017018
********15016
Case #1
10203040506027028029030
**6070809022023024025
****100110120190200210
******13014017018
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Case #1
10203040506027028029030
**6070809022023024025
****100110120190200210
******13014017018
********15016
Case #1
10203040506027028029030
**6070809022023024025
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15016
Case #1
10203040502602702802903
**60708090220230240250
****10011012019020021
******13014017018
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Case #1
10203040502602702802903
**60708090220230240250
****10011012019020021
******13014017018
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Case #1
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**60708090220230240250
****10011012019020021
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Case #1
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**60708090220230240250
****10011012019020021
******13014017018
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Case #1
10203040502602702802903
**60708090220230240250
****10011012019020021
******13014017018
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Case #1
10203040502602702802903
**60708090220230240250
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******13014017018
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Case #1
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          10011012019020021
******13014017018
********15016
Case #1
10203040502602702802903 0
**60708090220230240 25
****100110120190200 21
******130140170 18
********15016
Case #1
10203040502602702802903 0
**60708090220230240 25
****100110120190200 21
******130140170 18
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Case #1
10203040502602702802903 0
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Case #1
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Case #1
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Case #1
10203040502602702802903 0
**60708090220230240 25
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**6070809022023024025
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Case #1
102030405026027028029030
**6070809022023024025
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Case #1
102030405026027028029030
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Case #1
102030405026027028029030
**6070809022023024025
****10011012019020021
******13014017018
********15016
Case #1
102030405026027028029030
**6070809022023024025
****10011012019020021
******13014017018
********15
***Time limit exceeded***
```

Testing was aborted due to error.
Your code must pass all tests to earn any marks. Try again.

Show differences