

**Answer:** (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int T,d,i=0,i1,i2,b;
5     char c;
6     scanf("%d",&T);
7     while(i<T)
8     {
9         scanf("%d",&d);
10        i1=0;
11        while(i1<d)
12        {
13            b=1;
14            i2=0;
15            if(i1%2==0)
16            {
17                b=0;
18            }
19            while(i2<d)
20            {
21                c='B';
22                if(i2%2==b)
23                {
24                    c='W';
25                }
26                printf("%c",c);
27                i2++;
28            }
29            i1+=1;
30            printf("\n");
31        }
32        i=i+1;
33    }
34 }
```

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

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main()
3 {
4     int n,v,p3,c,in,i,i1,i2,t,ti;
5     scanf("%d",&t);
6     for(ti=0;ti<t;ti++)
7     {
8         v=0;
9         scanf("%d",&n);
10        printf("Case #\n",ti+1);
11        for(i=0;i<n;i++)
12        {
13            c=0;
14            if(i>0)
15            {
16                for(i1=0;i1<i;i1++)
17                    printf("***");
18            }
19            for(i1=i;i1<n;i1++)
20            {
21                if(i>0) c++;
22                printf("%d0",++v);
23            }
24            if(i==0){
25                p3=v+(v*(v-1))+1;
26                in=p3;
27            }
28            in=in-c;
29            p3=in;
30            for(i2=i;i2<n;i2++){
31                printf("%d",p3++);
32                if(i2!=n-1) printf("0");
33            }printf("\n");
34        }
35    }
36 }

```

	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! ✓

Output:

WB

BW

BWB

WBW

BWB

**Answer:** (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int T,d,i,i1,i2,o,z;
5     char c,s;
6     scanf("%d",&T);
7     for(i=0;i<T;i++)
8     {
9         scanf("%d %c",&d,&s);
10        for(i1=0;i1<d;i1++)
11        {
12            z=(s=='W')?0:1;
13            o=(i1%2==z)?0:1;
14            for(i2=0;i2<d;i2++)
15            {
16                c=(i2%2==o)?'W':'B';
17                printf("%c",c);
18            }
19            printf("\n");
20        }
21    }
22    return 0;
23 }
```

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

**Answer:** (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     int a,i,j,count=0,c,temp,d,e,sum=0;
6     scanf("%d",&a);
7     c=a;
8     temp=a;
9     for(i=1;a>0;i++)
10 {
11     count=count+1;
12     a=a/10;
13 }
14 for(j=1;c>0;j++)
15 {
16     d=c%10;
17     e=pow(d,count);
18     sum=sum+e;
19     c=c/10;
20 }
21 if(sum==temp)
22 {
23     printf("true");
24 }
25 else
26 {
27     printf("false");
28 }
29 }
```

	Input	Expected	Got	
✓	153	true	true	✓
✓	123	false	false	✓

Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints  $1 \leq \text{num} \leq 99999999$  Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int m,n,nt=0,i=0;
5     scanf("%d",&n);
6     do
7     {
8         nt=n;
9         m=0;
10        while(n!=0)
11        {
12            m=m*10+n%10;
13            n=n/10;
14        }
15        n=nt+m;
16        i++;
17    }
18    while(m!=nt||i==1);
19    printf("%d",m);
20 }
```

	Input	Expected	Got	
✓	32	55	55	✓
✓	789	66066	66066	✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n=1,i=0,nt,co=0,e;
5     scanf("%d",&e);
6     while(i<e)
7     {
8         nt=n;
9         while(nt!=0)
10        {
11            co=0;
12            if(nt%10!=3&&nt%10!=4)
13            {
14                co=1;
15                break;
16            }
17            nt=nt/10;
18        }
19        if(co==0)
20        {
21            i++;
22        }
23        n++;
24    }
25    printf("%d",--n);
26 }
```

	Input	Expected	Got	
✓	34	33344	33344	✓