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

```c
1   #include <stdio.h>
```

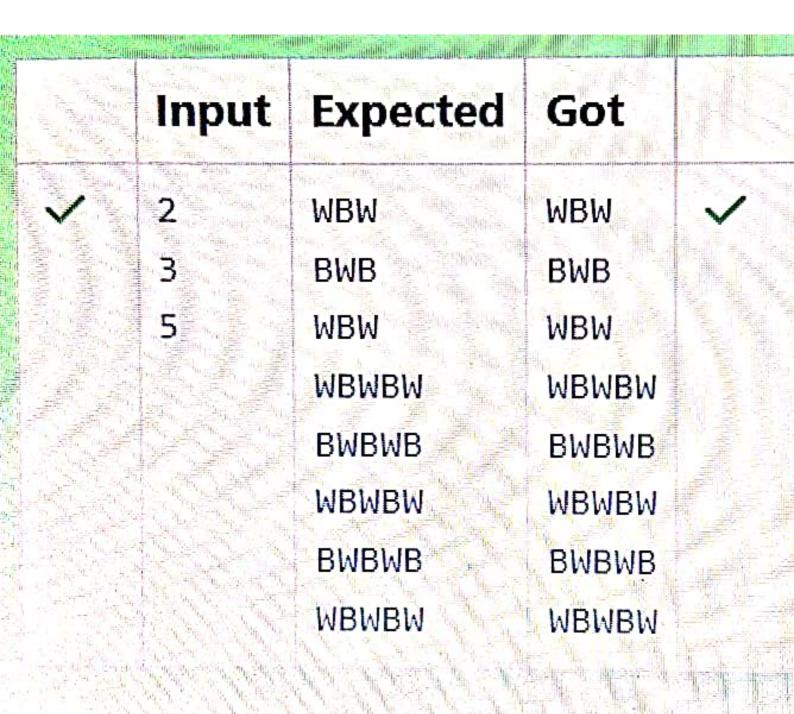| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 2 | WBW | WBW | ✓ |
| | 3 | BWB | BWB | |
| | 5 | WBW | WBW | |
| | | WBWBW | WBWBW | |
| | | BWBWB | BWBWB | |
| | | WBWBW | WBWBW | |
| | | BWBWB | BWBWB | |
| | | WBWBW | WBWBW | |

Passed all tests! ✓

```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;
            for(i2=0;i2<d;i2++)
            {
                c=(i2%2==o) ? 'W' : 'B';
                printf("%c",c);
            }
            printf("\n");
        }
    }
    return 0;
}
```

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

```c
#include<stdio.h>
int main(){
    int v,c;
    scanf("%d",&v);
    while(v!=0){
        c++;
        int a;
        scanf("%d",&a);
        int s1=10,s2=(a*a*10)+10;
        printf("Case #%d\n",c);
        for(int i=0;i<a;i++){
            for(int j=0;j<i;j++){
                printf("**");
            }
            for(int j=0;j<a-i;j++){
                printf("%d",s1);
                s1+=10;
            }
            for(int j=0;j<a-i;j++){
                if((j+1)==(a-i)){
                    printf("%d",((s2+(j*10)))/10);
                }
                else{
                    printf("%d",(s2+(j*10)));
                }
            }
            s2-=(a-i)*10;
            s2-=10;
            printf("\n");
        }
        v=
    }
}
```

```
1  #include<stdio.h>
2  int main(){
3      int v,c;
4      scanf("%d",&v);
5      while(v!=0){
6          c++;
7          int a;
8          scanf("%d",&a);
9          int s1=10,s2=(a*a*10)+10;
10         printf("Case #%d\n",c);
11         for(int i=0;i<a;i++){
12             for(int j=0;j<i;j++){
13                 printf("**");
14             }
15             for(int j=0;j<a-i;j++){
16                 printf("%d",s1);
17                 s1+=10;
18             }
19             for(int j=0;j<a-i;j++){
20                 if((j+1)==(a-i)){
21                     printf("%d",((s2+(j*10)))/10);
22                 }
23                 else{
24                     printf("%d",(s2+(j*10)));
25                 }
26             }
27             s2-=(a-i)*10;
28             s2+=10;
29             printf("\n");
30         }
31         v--;
32     }
33 }
```

| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 3<br>3<br>4<br>5 | Case #1<br>102030010011012<br>**4050809<br>****607<br>Case #2<br>1020304017018019020<br>**50607014015016<br>****809012013<br>******10011<br>Case #3<br>102030405026027028029030<br>**60708090220233024025<br>****10011012019020021<br>******13014017018<br>********15016 | Case #1<br>102030010011012<br>**4050809<br>****607<br>Case #2<br>1020304017018019020<br>**50607014015016<br>****809012013<br>******10011<br>Case #3<br>102030405026027028029030<br>**60708090220233024025<br>****10011012019020021<br>******13014017018<br>********15016 | ✓ |

Passed all tests!  ✓

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

```c
1   #include<stdio.h>
2   #include<math.h>
3   int main(){
4       int n;
5       scanf("%d",&n);
6       int x=0,n2=n;
7       while(n2!=0)
8       {
9           x++;
10          n2=n2/10;
11      }
12      int sum=0;
13      int n3=n,n4;
14      while(n3!=0)
15      {
16          n4=n3%10;
17          sum=sum+pow(n4,x);
18          n3=n3/10;
19      }
20      if(n==sum)
21      {
22          printf("true");
23      }
24      else
25      {
26          printf("false");
27      }
28      return 0;
29  }
30
```

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

Passed all tests! ✓

```c
1  #include<stdio.h>
2  int main(){
3      int rn,n,nt=0,i=0;
4      scanf("%d",&n);
5      do
6      {
7          nt=n;rn=0;
8          while(n!=0)
9          {
10              rn=rn*10+n%10;
11              n=n/10;
12          }
13          n=nt+rn;
14          i++;
15      }
16      while(rn!=nt || i==1);
17      {
18          printf("%d",rn);
19          return 0;
20      }
21  }
22
```

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

```c
#include<stdio.h>
int main(){
    int n=1,i=0,nt,co=0,e;
    scanf("%d",&e);
    while(i<e)
    {
        nt=n;
        while(nt!=0)
        {
            co=0;
            if(nt%10!=3&&nt%10!=4)
            {
                co=1;
                break;
            }
            nt=nt/10;
        }
        if(co==0)
        {
            i++;
        }
        n++;
    }
    printf("%d",--n);
    return 0;
}
```

| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 34 | 33344 | 33344 | ✓ |