

```
1 #include <stdio.h>
2 int main() {
3     int n, size;
4     scanf("%d", &n);
5     for (int k=0; k<n; k++) {
6         scanf("%d", &size);
7         for (int i=0; i<size; i++) {
8             for (int j=0; j<size; j++) {
9                 if ((i+j)%2==0) {
10                     printf("W");
11                 } else {
12                     printf("B");
13                 }
14             }
15             printf("\n");
}
```

16      }  
17    | }  
18   | }

```
1 #include <stdio.h>
2 int main() {
3     int n;
4     scanf("%d", &n);
5     for (int k=0; k<n; k++) {
6         int size;
7         char start;
8         scanf("%d %c", &size, &start);
9         for (int i=0; i<size; i++) {
10            for (int j=0; j<size; j++) {
11                if ((i+j)%2==0) {
12                    printf("%c", start);
13                } else {
14                    printf("%c", (start=='W'?'B':'W'));
15                }
16            }
}
```

```
17         product( m ) ;
18     }
19 }
20 return 0;
21 }
```

```
1 #include <stdio.h>
2 int main() {
3
4     int i,j,k;
5     for (i=1;i<=3;i++) {
6         for (j=1;j<=3;j++) {
7             for (k=1;k<=3;k++) {
8                 if (i!=j && j!=k && i!=k) {
9                     printf("%d %d %d\n", i, j, k);
10                }
11            }
12        }
13    }
14
15    return 0;
16 }
```

```
1 #include <stdio.h>
2 #include <math.h>
3
4 int main() {
5
6     int num, orgnum, rem, n=0;
7     double result = 0.0;
8     scanf("%d", &num);
9
10    orgnum = num;
11
12    while (orgnum!=0) {
13        orgnum/=10;
14        ++n;
15    }
16
17    orgnum = num;
18
19    while (orgnum!=0) {
20        rem = orgnum%10;
21        result += pow(rem, n);
22        orgnum /= 10;
23    }
24
25    if ((int)result == num) {
26        printf("true");
27    } else {
28        printf("false");
29    }
30
31    return 0;
32 }
```

```
1 #include <stdio.h>
2
3 • long long reverse(long long n) {
4     long long rev = 0;
5 •     while (n!=0) {
6         rev = rev * 10 + (n%10);
7         n /= 10;
8     }
9     return rev;
10 }
11
12 • int isPalindrome(long long n) {
13     return n == reverse(n);
14 }
15
16 • int main() {
17     long long num;
18     scanf("%lld", &num);
19 •     while (!isPalindrome(num)) {
20         num = num + reverse(num);
21     }
22     printf("%lld", num);
23     return 0;
24 }
```

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