**class** Solution1 {

**void** show() {

**int** n=7;

**for**(**int** i=0; i<n; i++)

{

**for**(**int** j=0; j<n; j++)

{

**if**(i==0 || i==n-1 || j==(n-1)/2)

System.***out***.print("\*");

**else**

System.***out***.print(" ");

}

System.***out***.print(" ");

**for**(**int** j=0; j<n; j++)

{

**if**(j==0 || j==n-1 || i==j)

System.***out***.print("\*");

**else**

System.***out***.print(" ");

}

System.***out***.print(" ");

**for**(**int** j=0; j<n; j++)

{

**if**(j==0 || i==0 || i==n-1 || i==(n-1)/2)

System.***out***.print("\*");

**else**

System.***out***.print(" ");

}

System.***out***.print(" ");

**for**(**int** j=0; j<n; j++)

{

**if**(j==0 && i!=n-1 || j==n-1 && i!=n-1 || i==n-1 && j!=0 && j!=n-1 )

System.***out***.print("\*");

**else**

System.***out***.print(" ");

}

System.***out***.print(" ");

**for** (**int** j = 0; j < n; j++)

{

**if** (j==0 || i==0&&j!=n-1 || i==(n-1)/2&&j!=n-1 ||

j == n - 1 && i <= (n - 1) / 2 && i != 0 && i != (n - 1) / 2 || i==j&&i>n/2)

System.***out***.print("\*");

**else**

System.***out***.print(" ");

}

System.***out***.print(" ");

**for** (**int** j = 0; j < n; j++)

{

**if** (j == 0 && i != 0 && i != n - 1 || j == n - 1 && i != 0 && i != n - 1

|| i == 0 && j != 0 && j != n - 1 || i == n - 1 && j != 0 && j != n - 1)

System.***out***.print("\*");

**else**

System.***out***.print(" ");

}

System.***out***.print(" ");

**for**(**int** j=0; j<n; j++)

{

**if**(j==0 || j==n-1 || i==j)

System.***out***.print("\*");

**else**

System.***out***.print(" ");

}

System.***out***.println();

}

}

}

**class** Solution2 {

**void** show() {

**int** n=5;

**for**(**int** i=1; i<n; i++)

{

**for**(**int** j=1; j<n; j++)

{

System.***out***.print(i);

}

System.***out***.println();

}

}

}

**class** Solution3 {

**void** show() {

**int** n=11;

**for**(**int** i=0; i<n; i++)

{

**for**(**int** j=0; j<n; j++)

{

**if**(i==0 || i==n-1 || j==0 || j==n-1 || i+j<=(n-1)/2 || j-i>=(n-1)/2 )

{

System.***out***.print("\*");

}

**else**

System.***out***.print(" ");

}

System.***out***.println();

}

}

}

**class** Solution4 {

**void** show() {

**int** n=12;

**for**(**int** i=1;i<=n;i++)

{

**for**(**int** j=1;j<=n;j++)

**if**(i>=j+n/2||i==n||i+j>=(3\*n+1)/2+1)

System.***out***.print("\* ");

**else**

System.***out***.print(" ");

System.***out***.println();

}

**for**(**int** i=1;i<=n;i++)

System.***out***.print("\* ");

System.***out***.println();

}

}

**class** Solution5 {

**void** show() {

**int** n=12;

**for**(**int** i=1;i<=n;i++)

{

**for**(**int** j=1;j<=n;j++)

**if**(i+j<=n/2+2||i>=j+n/2||i==n||i==1)

System.***out***.print("\* ");

**else**

System.***out***.print(" ");

System.***out***.println();

}

}

}

**public** **class** Assignment1 {

**public** **static** **void** main(String[] args) {

Solution1 sol = **new** Solution1();

System.***out***.println("Solution:1\n");

sol.show();

System.***out***.println("----------------------------------------------------------------");

Solution2 sol2 = **new** Solution2();

System.***out***.println("Solution:2\n");

sol2.show();

System.***out***.println("----------------------------------------------------------------");

Solution3 sol3 = **new** Solution3();

System.***out***.println("Solution:3\n");

sol3.show();

System.***out***.println("----------------------------------------------------------------");

Solution4 sol4 = **new** Solution4();

System.***out***.println("Solution:4\n");

sol4.show();

System.***out***.println("----------------------------------------------------------------");

Solution5 sol5 = **new** Solution5();

System.***out***.println("Solution:5\n");

sol5.show();

System.***out***.println("----------------------------------------------------------------");

}

}