Program1:

public class Program1 {

public static void main(String[] args) {

for(int i=1;i<6;i++) {

for(int j=1;j<34;j++) {

if(j==1||j==3||j==7||j==9||j==14||j==17||j==19||j==24||j==27||j==29||j==33) {

if((j==14||j==17)&&i==5) {

System.out.print(" ");

}

else if((j==24||j==27)&&(i==1||i==5)) {

System.out.print(" ");

}

else {

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

}

}

else if(j>3 && j<7 || j>29 && j<33) {

if(j-2==i||j-28==i) {

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

}

else {

System.out.print(" ");

}

}

else if(i==3&&(j==10||j==11)) {

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

}

else if(j>=19&&j<=22) {

if(i-2==j-19) {

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

}

else if(((i==1||i==3)&&j!=22)||(j==22 && i==2)) {

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

}

else {

System.out.print(" ");

}

}

else if(i==1||i==5) {

if((j>=9 && j<=12)||(j>14 && j<17 && i!=1)||(j>24&&j<27)) {

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

}

else {

System.out.print(" ");

}

}

else {

System.out.print(" ");

}

}

System.out.println();

}

}

}

Program2:

public class Program2 {

public static void main(String[] args) {

int n=5;

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

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

System.out.print(i+" ");

}

System.out.println();

}

}

}

Program3:

public class Program3 {

public static void main(String[] args) {

int n=15;

int mid=7;

int f=-1;

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

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

if(i==1 || i==n-1 || j==1||j==n-1||j<mid-f || j>mid+f ) {

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

}

else {

System.out.print(" ");

}

}

System.out.println();

if(f<mid) {

f++;

}

}

}

}

Program4:

public class Program4 {

public static void main(String[] args) {

int n=15;

for(int i=1;i<(n+3)/2;i++) {

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

if(j<=i||j>n-i-1) {

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

}

else {

System.out.print(" ");

}

}

System.out.println();

}

}

}

Program5:

public class Program5 {

public static void main(String[] args) {

int n=15;

int mid=7;

int f=-1;

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

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

if(i==1||i==n-1||j==1||j<mid-f) {

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

}

else {

System.out.print(" ");

}

}

System.out.println();

if(i<mid && f<mid) {

f++;

}

else {

f--;

}

}

}

}