```java
1 // LineArt.java
2 // Student version of the Lab06 Line Art Graphics Program assignment.
3 import java.awt.*;
5 public class LineArt extends Applet
6
7 public void paint Graphics g
8
9 int width = 980;
10 int height = 630;
11 int Wdifference=980/70;
12 int Hdifference=630/70;
13 int currentX=10;
14 int currentY=10;
15 g.drawRect 10,10,width,height ;
16
17
18 // Draw bottom-left corner
19 currentY=10;
20 for (currentX=10; currentX<=width; currentX+=Wdifference) {
21     currentY=currentY+Hdifference;
22     g.drawLine currentX, 640, 10,currentY ;
23 }
24 // Draw bottom-right corner
25
26 for (currentX=10; currentX<=width; currentX+=Wdifference) {
27     currentY=currentY-Hdifference;
28     g.drawLine currentX, 640, 990,currentY ;
29 }
30 // Draw top-right corner
31
32 currentY=10;
33
34 for (currentX=10; currentX<=width; currentX+=Wdifference) {
35     currentY=currentY+Hdifference;
36     g.drawLine currentX, 10, 990, currentY ;
37 }
38 // Draw top-left corner
39
40 for (currentX=10; currentX<=width; currentX+=Wdifference) {
41     currentY=currentY-Hdifference;
42     g.drawLine currentX, 10, 10, currentY ;
43 }
44 //Y 475
45 //X 745
46 g.drawRect 245, 175, 500, 300 ;
47 width=500;
48 height=300;
49 currentX=245;
50 currentY=175;
51
52 int Xtotal=width+currentX;
53 int Ytotal=height+currentY;
54
55 Wdifference= 500/50;
56 Hdifference= 300/50;
57
58 for (currentX=245; currentX<=Xtotal; currentX+=Wdifference
59     currentY=currentY+Hdifference;
60     g.drawLine currentX, 175,745 ,currentY ;
```

```
61
62
63
64 for (currentX=245; currentX<=Xtotal; currentX+=Wdifference) {
65     currentY=currentY-Hdifference;
66     g.drawLine(currentX, 175,245,currentY);
67 }
68
69
70 currentY=170;
71 for (currentX=245; currentX<=Xtotal; currentX+=Wdifference) {
72     currentY=currentY+Hdifference;
73     g.drawLine(currentX, Ytotal, 245, currentY);
74 }
75
76 for (currentX=245; currentX<=Xtotal;currentX+=Wdifference) {
77     currentY=currentY-Hdifference;
78     g.drawLine(currentX, Ytotal, Xtotal, currentY);
79 }
80
81
82
83
84
85
```