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//LineArt.java;

// Student version of the Lab06 Line Art Graphics Program assignment.

import java.awt.*;

import java.applet.*;

public class LineArt extends Applet

{

public void paint(Graphics g)

{

int width = 980;

int height = 630;

int deltaW = width/70;

int deltaH = height/70;

int widthS = 510;

int heightS = 310;

int deltaWSmall = widthS/35;

int deltaHSmall = heightS/35;

g.drawRect(10,10,width,height);

// Draw bottom-left corner

for (int i= 0; i<70; i++) {

g.drawLine(10+i*deltaW,640,10, 10 + i*deltaH);

}

// Draw bottom-right corner

for (int i= 0; i<70; i++) {

g.drawLine(10+i*deltaW, 640, 990, 10+(70-i)*deltaH);

}

// Draw top-right corner
```

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for (int i= 0; i<70; i++) {
g.drawLine(10 + i*deltaW, 10, 990, 10+i*deltaH);
}
// Draw top-left corner
for (int i= 0; i<70; i++) {
g.drawLine(990-i*deltaW,10, 10, 10 + i*deltaH);
}
// Draw the smaller rectangle
g.drawRect(245, 170, widthS, heightS);
// Draw bottom-left corner of the smaller rectangle
for (int i = 0; i < 35; i++) {
    g.drawLine(245 + i * deltaWSmall, 480, 245, 170 + i * deltaHSmall);
}
// Draw bottom-right corner of the smaller rectangle
for (int i = 0; i < 35; i++) {
    g.drawLine(245 + i * deltaWSmall, 480, 755, 170 + (35 - i) * deltaHSmall);
}
// Draw top-right corner of the smaller rectangle
for (int i = 0; i < 35; i++) {
    g.drawLine(245 + i * deltaWSmall, 170, 755, 170 + i * deltaHSmall);
}
// Draw top-left corner of the smaller rectangle
for (int i = 0; i < 35; i++) {
    g.drawLine(755 - i * deltaWSmall, 170, 245, 170 + i * deltaHSmall);
}
}
```

