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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 static void drawLineArt(Graphics g, final int topX, final int
topY, final int rectWidth, final int rectHeight) {
        // Draw outer rectangle
        g.drawRect(topX, topY, rectWidth, rectHeight);

        final int lineSpacing = 15;

        // draw bottom-right
        final int numLines = rectWidth / lineSpacing;

        final int deltaX = rectWidth / numLines;
        final int deltaY = rectHeight / numLines;

        int xi = topX;
        int yi = topY + rectHeight;
        int xf = topX + rectWidth;
        int yf = topY + rectHeight;

        for (int i=0; i<numLines; i++) {
            g.drawLine(xi, yi, xf, yf);
            xi = xi + deltaX;
            yf = yf - deltaY;
        }

        // draw bottom-left
        xi = topX + rectWidth;
        yi = topY + rectHeight;
        xf = topX;
        yf = topY + rectHeight;
        for (int i=0; i<numLines; i++) {
            g.drawLine(xi, yi, xf, yf);
            xi = xi - deltaX;
            yf = yf - deltaY;
        }

        // draw top-left
        xi = topX + rectWidth;
        yi = topY;
        xf = topX;
        yf = topY;
        for (int i=0; i<numLines; i++) {
            g.drawLine(xi, yi, xf, yf);
            xi = xi - deltaX;
            yf = yf + deltaY;
        }
    }
}
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    }

    // draw top-right
    xi = topX;
    yi = topY;
    xf = topX + rectWidth;
    yf = topY;
    for (int i=0; i<numLines; i++) {
        g.drawLine(xi, yi, xf, yf);
        xi = xi + deltaX;
        yf = yf + deltaY;
    }
}

public void paint(Graphics g) {
    this.setSize(1000, 650);

    final int height = 630;
    final int width = 980;
    final int x = 10;
    final int y = 10;

    drawLineArt(g, x, y, width, height);

    drawLineArt(g, x+240, y+150, 500, 330 );
}
}
```