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import java.awt.*;
import java.applet.*;
import java.util.Random;

    public class LineArtLab extends Applet
    {
        public void paint(Graphics g) {

            int width = 980;
            int height = 630;
//            int red = (int) (Math.random() * 256);
//            int green = (int) (Math.random() * 256);
//            int blue = (int) (Math.random() * 256);
//            Color randomColor = new Color(red, green, blue);
//            g.setColor(randomColor);
                g.drawRect(10,10,width,height);
                bottomleftcorner(g);
                bottomrightcorner(g);
                topleftcorner(g);
                toprightcorner(g);
                g.drawRect(255, 167, 490, 315);
                smallRect(g);
        }

public void bottomleftcorner (Graphics g)
{
    int blue = (int) (0);
    for (int i = 0; i <= 970; i += 20) {
        blue += 5;
        Color r = new Color (0, 0, blue);
        g.setColor(r);
        g.drawLine(10 + i, 640, 990, 640 - (i * 640 / 990));
    }
}

public void bottomrightcorner (Graphics g)
{
    int blue = (int) (0);
    for (int i = 0; i <= 970; i += 20) {
        blue += 5;
        Color r1 = new Color (0, 0, blue);
        g.setColor(r1);
        g.drawLine(990 - i, 640, 10, 640 - (i * 640 / 990));
    }
}

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}
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```
public void topleftcorner (Graphics g)
{
    int blue = (int) (0);
    for (int i = 0; i <= 970; i += 20) {
        blue += 5;
        Color r2 = new Color (0, 0, blue);
        g.setColor(r2);
        g.drawLine(10, 640 - (i * 640 / 990), 10 + i, 10);
    }
}
```

```
public void toprightcorner (Graphics g)
{
    int blue = (int) (0);
    for (int i = 0; i <= 970; i += 20) {
        blue += 5;
        Color r3 = new Color (0, 0, blue);
        g.setColor(r3);
        g.drawLine(10 + i, 10, 990, 10 + (i * 640 / 990));
    }
}
```

```
public void smallRect (Graphics g)
{
    int blue = (int) (0);
    for (int i = 0; i <= 480; i += 20) {
        blue += 5;
        Color r4 = new Color (0, 0, blue);
        g.setColor(r4);
        g.drawLine(255 + i, 481, 745, 481 - (i * 325 / 500));
    }
}
```

```
blue = 0;
for (int i = 0; i <= 480; i += 20) {
    blue += 5;
    Color r5 = new Color (0, 0, blue);
    g.setColor(r5);
    g.drawLine(745 - i, 481, 255, 481 - (i * 325 / 500));
}
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```
blue = 0;
for (int i = 0; i <= 480; i += 20) {
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        blue += 5;
        Color r6 = new Color (0, 0, blue);
        g.setColor(r6);
        g.drawLine(255, 481 - (i * 325 / 500), 255 + i, 167);
    }
    blue = 0;
    for (int i = 0; i <= 480; i += 20) {
        blue += 5;
        Color r7 = new Color (0, 0, blue);
        g.setColor(r7);
        g.drawLine(745, 481 - (i * 325 / 500), 745 - i, 167);
    }
}
}
```