**public** **class** Diagramm **extends** JPanel

{

 **private** **int** scaleX=20,scaleY=18;

 /\*private class window {

 JPanel panel = new JPanel();

 panel.removeAll();

 }\*/

 **public** **void** paintComponent (Graphics g)

 {

 Graphics2D g2 = (Graphics2D) g;

 g2.setRenderingHint(RenderingHints.***KEY\_ANTIALIASING***,RenderingHints.***VALUE\_ANTIALIAS\_ON***);

 g2.setPaint(Color.***white***);

 g2.fillRect(0,0,**this**.getWidth()-1,**this**.getHeight()-1);

 g2.setPaint(Color.***black***);

 //x-Achse

 g2.drawLine(0, **this**.getHeight()-1, **this**.getWidth(), **this**.getHeight()-1);

 **for**(**int** x=scaleX; x<**this**.getWidth(); x+=scaleX)

 {

 g2.drawString("" + x/scaleX, x+1, getHeight()-3);

 g2.drawLine(x, **this**.getHeight()-1, x, **this**.getHeight()-4);

 }

 //y-Achse

 g2.drawLine(0, 0, 0, **this**.getHeight());

 **int** i = 0;

 **for**(**int** y=**this**.getHeight()-1; y>0;y-=scaleY)

 {

 //g2.drawLine(0, y, 3, y);

 **if** (i%3==0)

 {

 g2.drawString("" + (**this**.getHeight()-1-y)/scaleY, 3, y-3);

 g2.drawLine(0, y, 8, y);

 }

 **else**

 g2.drawLine(0, y, 3, y);

 i++;

 }

 g2.setPaint(Color.***blue***);

 g2.drawLine(50, **this**.getHeight()-50, 300 , 150);

 }

}