**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);

}

}