

## Ticker

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Ticker 1

1. 가

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3. 가

Ticker .

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```
public class PinkredTicker
{
    private final static int DELAY_TURN          = 1;           // delay turn
    private final static int MOVESTRING_WIDTH    = 10;

    private char[] text;           //
    private int x;                 // X
    private int y;                 // Y
    private int width;             //
    private int height;            //
    private int indexLeft;         //
    private int indexRight;        //
```

```

        private int initDelay;                //
        private int delay;                    //
        private int widthString;              //

        private Canvas canvas;

/*****/
//
    PinkredTicker(Canvas _canvas)
    {
        canvas = _ canvas;
    }

/*****/
// Ticker
    public void setString(String _text)
    {
        setChars(_text.toCharArray());
    }

/*****/
// Ticker
    public void setChars(char[] _text)
    {
        text = null;
        text = _text;

        indexLeft = 0;
        indexRight = 0;
        delay = 0;
        //
        widthString = Font.getDefaultFont().charsWidth(text, 0, text.length) ;
    }

```

```

/*****/
// Ticker

public void setBounds(int _x, int _y, int _width, int _height)
{
    this.x = _x;
    this.y = _y;
    this.width = _width;
    this.height = _height;
}

/*****/

public void paint(Graphics g)
{
    g.setClip(x, y, width, height);
    g.setColor(0x000000);
    g.fillRect(x, y, width, height);

    //
    if(widthString >= width)
    {
        // delay 가 DELAY_TURN 가
        if(delay++ > DELAY_TURN)
        {
            if(widthString+ initDelay >= indexLeft)
                indexLeft += MOVESTRING_WIDTH;

            if(widthString + initDelay >= indexRight)
                indexRight += MOVESTRING_WIDTH;

            if(widthString + initDelay < indexLeft)
            {
                indexLeft = indexRight - widthString - 20;
                delay = 0;
            }
            if(widthString + initDelay < indexRight)
                indexRight = indexLeft - widthString - 20;
        } else
    }

```

```

        {
            initDelay = indexLeft = -x;
            indexRight = indexLeft - widthString - 20;
        }
        //
        g.setColor(0xffffffff);
        g.drawChars(text, 0, text.length, -indexLeft, y + (height
            - canvas.FONT_HEIGHT) / 2, g.LEFT|g.TOP);
        g.drawChars(text, 0, text.length, -indexRight, y + (height
            - canvas.FONT_HEIGHT) / 2, g.LEFT|g.TOP);
    }
    else //
    {
        g.setColor(0xffffffff);
        g.drawChars(text, 0, text.length, x, y, g.LEFT|g.TOP);
    }
    g.setClip(0, 0, canvas.LCD_WIDTH, canvas.LCD_HEIGHT);
}
}

```

가 . Ticker

FONT\_HEIGHT, LCD\_WIDTH, LCD\_HEIGHT

canvas .

Ticker . Ticker

char

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