Truth Tables

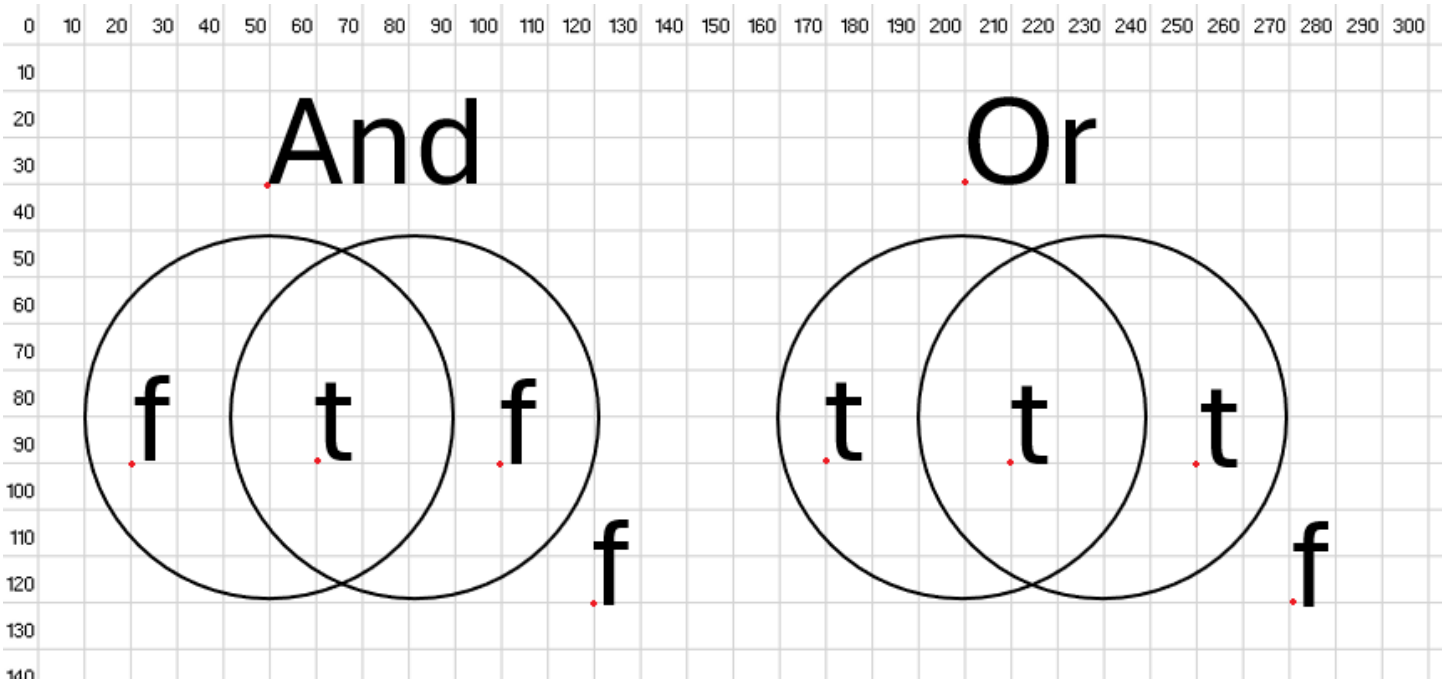
And	Or	Not
T && T = T	T || T = T	!T = F
T && F = F	T || F = T	!F = T
F && T = F	F || T = T	
F && F = F	F || F = F	

Print out the truth tables, getting Java to calculate the answers for you.

Starter code:

```
import java.awt.*;
import java.applet.Applet;
public class Code2A_Boolean extends Applet
{
    public void paint (Graphics g)
    {
        g.setFont (new Font ("Arial", Font.PLAIN, 18));
        g.setColor (Color.red);
        g.drawString ("T && T = " + (true && true), 10, 20);
        g.drawString ("T && F = " + (true && false), 10, 40);
    }
}
```

Venn Diagrams



Create a picture that demonstrates the Boolean truth tables using Venn Diagrams.

Starter Code

```
import java.awt.*;
import java.applet.Applet;
public class Code2B_Venn extends Applet
{
    public void paint (Graphics g)
    {
        g.setFont (new Font ("Arial", Font.PLAIN, 18));
        g.drawString ("And", 50, 30);
        g.drawOval (10, 40, 80, 80);
    }
}
```