

```
package examples;
```

```
import java.io.*;
```

```
import com.pdfjet.*;
```

```
/**
```

```
 * Example_02.java
```

```
 *
```

```
 * Draw the Canadian flag using a Path object that contains both lines
```

```
 * and curve segments. Every curve segment must have exactly 2 control points.
```

```
 */
```

```
public class Example_02 {
```

```
    public Example_02() throws Exception {
```

```
        PDF pdf = new PDF(  
            new BufferedOutputStream(  
                new FileOutputStream("Example_02.pdf")));
```

```
        Page page = new Page(pdf, Letter.PORTRAIT);
```

```
        Box flag = new Box(85.0f, 85.0f, 64.0f, 32.0f);
```

```
        Path path = new Path();
```

```
        path.add(new Point(13.0f, 0.0f));  
        path.add(new Point(15.5f, 4.5f));
```

```
        path.add(new Point(18.0f, 3.5f));  
        path.add(new Point(15.5f, 13.5f, Point.CONTROL_POINT));  
        path.add(new Point(15.5f, 13.5f, Point.CONTROL_POINT));  
        path.add(new Point(20.5f, 7.5f));
```

```
        path.add(new Point(21.0f, 9.5f));  
        path.add(new Point(25.0f, 9.0f));  
        path.add(new Point(24.0f, 13.0f));  
        path.add(new Point(25.5f, 14.0f));  
        path.add(new Point(19.0f, 19.0f));  
        path.add(new Point(20.0f, 21.5f));  
        path.add(new Point(13.5f, 20.5f));  
        path.add(new Point(13.5f, 27.0f));  
        path.add(new Point(12.5f, 27.0f));  
        path.add(new Point(12.5f, 20.5f));  
        path.add(new Point( 6.0f, 21.5f));  
        path.add(new Point( 7.0f, 19.0f));  
        path.add(new Point( 0.5f, 14.0f));  
        path.add(new Point( 2.0f, 13.0f));  
        path.add(new Point( 1.0f, 9.0f));  
        path.add(new Point( 5.0f, 9.5f));
```

```
path.add(new Point( 5.5f, 7.5f));
path.add(new Point(10.5f, 13.5f, Point.CONTROL_POINT));
path.add(new Point(10.5f, 13.5f, Point.CONTROL_POINT));
path.add(new Point( 8.0f, 3.5f));
```

```
path.add(new Point(10.5f, 4.5f));
path.setClosePath(true);
path.setColor(Color.red);
path.setFillShape(true);
path.placeIn(flag, 19.0f, 3.0f);
```

```
path.drawOn(page);
```

```
Box box = new Box();
box.setSize(16.0f, 32.0f);
box.setColor(Color.red);
box.setFillShape(true);
box.placeIn(flag, 0.0f, 0.0f);
box.drawOn(page);
box.placeIn(flag, 48.0f, 0.0f);
box.drawOn(page);
```

```
path.scaleBy(15f);
path.setFillShape(false);
float[] xy = path.drawOn(page);
```

```
box = new Box();
box.setLocation(xy[0], xy[1]);
box.setSize(20f, 20f);
box.drawOn(page);
```

```
// TODO:
page.setPenColorCMYK(1.0f, 0.0f, 0.0f, 0.0f);
page.setPenWidth(5.0f);
page.drawLine(50f, 500f, 300f, 500f);
```

```
page.setPenColorCMYK(0.0f, 1.0f, 0.0f, 0.0f);
page.setPenWidth(5.0f);
page.drawLine(50f, 550f, 300f, 550f);
```

```
page.setPenColorCMYK(0.0f, 0.0f, 1.0f, 0.0f);
page.setPenWidth(5.0f);
page.drawLine(50f, 600f, 300f, 600f);
```

```
page.setPenColorCMYK(0.0f, 0.0f, 0.0f, 1.0f);
page.setPenWidth(5.0f);
page.drawLine(50f, 650f, 300f, 650f);
```

```
pdf.complete();
```

```
}
```

```
public static void main(String[] args) throws Exception {  
    long t0 = System.currentTimeMillis();  
    new Example_02();  
    long t1 = System.currentTimeMillis();  
    System.out.println("Example_02 => " + (t1 - t0));  
}  
  
} // End of Example_02.java
```