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Source code:

```
public boolean contains(Rectangle2D r) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            public int getWindingRule() {
    return 0;
                                                                                                                                                                                                                                                                                                                             return new ShapeIterator();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             double h = Math.PI / 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       public boolean isDone() {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         boolean done = false:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    boolean start = true;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                public void next() {
    t += h;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                return done;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         double t = -2:
   return false;
                                                                                                            return false;
                                                                                                                                                                                                                     return false;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              @Override
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                                                                                                                                                                                                                                                                                                                                                                                           @Override
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               public boolean intersects(double x, double y, double w, double h) {
                                                                                                                                                                                                                                                              MyShape(int centerX, int centerY, int param) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                public boolean contains(double x, double y) {
                                                                                                                                                   public class MyShape implements Shape {
  private int centerX;
                                      import java.awt.geom.AffineTransform;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     public boolean contains(Point2D p) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   public Rectangle2D getBounds2D() {
                                                              import java.awt.geom.PathIterator;
                                                                                                         import java.awt.geom.Rectangle2D;
                                                                                                                                                                                                                                                                                                                                                                                                              public Rectangle getBounds()
                                                                                   import java.awt.geom.Point2D;
                                                                                                                                                                                                                                                                                                       this.centerY = centerY;
import java.awt.Rectangle;
import java.awt.Shape;
                                                                                                                                                                                                                                                                                    this.centerX = center X;
                                                                                                                                                                                                                                                                                                                              this.param = param;
                                                                                                                                                                                                private int centerY;
                                                                                                                                                                                                                       private int param;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return false;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             return false;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    return false;
                                                                                                                                                                                                                                                                                                                                                                                                                                    return null;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             return null:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           @Override
```

public boolean intersects(Rectangle2D r) {

```
coordinate[0] = (double) (param * t - param * Math.sin(t)); // x coordinate[1] = (double) (param - param * Math.cos(t)); // y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       coordinate[0] = (double) (param * t - param * Math.sin(t)); // x coordinate[1] = (double) (param - param * Math.cos(t)); // y return SEG_LINETO;
                                                                   coordinate[0] = (float) (param * t - param * Math.sin(t); // x coordinate[1] = (float) (param - param * Math.cos(t); // y
                                                                                                                                                                                                                                                                                                                                                                                  coordinate[0] = (float) (param * t - param * Math.sin(t)); // x coordinate[1] = (float) (param - param * Math.cos(t)); // y return SEG_LINETO;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     @Override public int currentSegment(double|| coordinate) {
public int currentSegment(float[] coordinate) {
                                                                                                                                                                      return SEG MOVETO;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              return SEG MOVETO
                                                                                                                                                                                                                                                                                     done = true;
return SEG_CLOSE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       done = true;
return SEG_CLOSE;
                                                                                                                                                                                                                                     if (t >= 10*Math.PI) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if (t >= 10*Math.PI) {
                                                                                                                                            start = false:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              start = false:
                                   if (start)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        if (start)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        public PathIterator getPathIterator(AffineTransform at, double flatness) {
return new ShapeIterator();
                                                                                                                                         public boolean contains(double x, double y, double w, double h) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           public PathIterator getPathIterator(AffineTransform at) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 class ShapeIterator implements PathIterator {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a Override
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