

/\* Figure.java に保存 \*/

```
(A) public class Figure {  
    (B) String ch = "*";  
  
    (C) void setChar(String ch) {  
        this.ch = ch;  
    }  
  
    (D) void putLine(int n) {  
        for (int i = 1; i <= n; i++) {  
            System.out.print(ch);  
        }  
        System.out.println();  
    }  
  
    (A) public void draw();  
}
```

/\* Triangle.java に保存 \*/

```
public class Triangle (X) {  
    private int edge;  
  
    public Triangle(int edge)  
        throws NegativeLengthException {  
        if (edge < 0) {  
            throw new NegativeLengthException(  
                "Negative Length");  
        }  
        this.edge = edge;  
    }  
  
    public void draw() {  
        for (int n = edge; n >= 1; n--) {  
            putLine(n);  
        }  
    }  
}
```

/\* Rectangle.java に保存 \*/

```
public class Rectangle (Y) {  
    private int width, height;  
  
    public Rectangle(int width, int height)  
        throws NegativeLengthException {  
        if (width < 0 || height < 0) {  
            throw new NegativeLengthException(  
                "Negative Length");  
        }  
        this.width = width;  
        this.height = height;  
    }  
  
    public void draw() {  
        for (int h = 1; h <= height; h++) {  
            putLine(width);  
        }  
    }  
}
```

/\* Square.java に保存 \*/

```
public class Square (Z) {  
    public Square(int edge) ~  
        throws NegativeLengthException {  
        super(edge, edge);  
    }  
}
```

/\* NegativeLengthException.java に保存 \*/

```
public class NegativeLengthException  
    extends Exception {  
    public NegativeLengthException() {  
        super();  
    }  
  
    public NegativeLengthException(String msg) {  
        super(msg);  
    }  
}
```