LoopProblem.java file:

```java
public class LoopProblem {
    public static void main(String[] args) {
        double a, b;
        a = 2.5; b = 29.0;
        while (b < 50) {
            if (stuff(a, b) > -30 {
                a = stuff(a, b);
            }
        }
    }

    public static int stuff(double s, double t) {
        int resp = 0;
        if (s > t) {
            resp += (s - t);
        } else {
            resp -= (s - t);
        }
        return resp;
    }
}
```

Will the code be stuck in an infinite loop when executed?

Explain: