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: