```
死循环
```

1、代码

```
package com.vrv.tune;

public class FindDeadWhile {
 public static void main(String[] args) throws Inte
 rruptedException {
 while (true) {
  System.out.println(111);
 }
 }
}
```

2、打包运行通过jps找到pid

```
java -jar jstackDeadWhile.jar
jps
找到pid
19940
```

3、获取线程号

ps p 19940 - L - o pcpu, pid, tid, time, tname, cmd

```
CMD
                        TIME TTY
              TID
0.0 19940 19940 00:00:00 pts/1
21.3 19940 19941 00:01:10 pts/1
                                        java -jar jstackDeadWhile.jar
                                        java -jar jstackDeadWhile.jar
0.0 19940 19942 00:00:00 pts/1
0.0 19940 19943 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
                                       java -jar jstackDeadWhile.jar
 0.0 19940 19944 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19945 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19946 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19947 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19948 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19949 00:00:00 pts/1
0.0 19940 19950 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19951 00:00:00 pts/1
0.0 19940 19952 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
                                        java -jar jstackDeadWhile.jar
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19953 00:00:00 pts/1
 0.0 19940 19954 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19955 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
 0.0 19940 19956 00:00:00 pts/1
                                        java -jar jstackDeadWhile.jar
     19940 19957 00:00:00 pts/1
                                       java -jar jstackDeadWhile.jar
```

4、将获取的线程号(十进制数)转换成十六进制,此处为0x4de5

printf "%x\n" 19941

0x4de5

5、jstack找到死循环

jstack -I 19940

```
Locked ownable synchronizers:
        - None
main" prio=10 tid=0x00007f5c70008800 nid=0x4de5 runnable [0x00007f5c7574f000]
 java.lang.Thread.State: RUNNABLE
      at java.io.FileOutputStream.writeBytes(Native Method)
        at java.io.FileOutputStream.write(FileOutputStream.java:345)
        at java.io.BufferedOutputStream.flushBuffer(BufferedOutputStream.java:82)
        at java.io.BufferedOutputStream.flush(BufferedOutputStream.java:140)
        - locked <0x000000061fe0d160> (a java.io.BufferedOutputStream)
        at java.io.PrintStream.write(PrintStream.java:482)
       - locked <0x000000061fe0c6a8> (a java.io.PrintStream)
at sun.nio.cs.StreamEncoder.writeBytes(StreamEncoder.java:221)
        at sun.nio.cs.StreamEncoder.implFlushBuffer(StreamEncoder.java:291)
        at sun.nio.cs.StreamEncoder.flushBuffer(StreamEncoder.java:104)
       - locked <0x000000061fe0c638> (a java.io.OutputStreamWriter)
at java.io.OutputStreamWriter.flushBuffer(OutputStreamWriter.java:185)
        at java.io.PrintStream.newLine(PrintStream.java:546)
        - eliminated <0x000000061fe0c6a8> (a java.io.PrintStream)
       at java.io.PrintStream.println(PrintStream.java:737)
- locked <0x000000061fe0c6a8> (a java.io.PrintStream)
at com.vrv.tune.FindDeadWhile.main(FindDeadWhile.java:6)
  Locked ownable synchronizers:
        - None
```