

1. abstraction:TaskAttemptId
2. crash point:after write
3. bug type:TOF
4. timing:crash

```
1  /*system version:hadoop-0.23.0
2  *org.apache.hadoop.mapreduce.v2.app.job.impl.TaskImpl.AttemptC
   ommitPendingTransition.transition#670
3  * no calling contex
4  */
5      public void transition(TaskImpl task, TaskEvent event) {
6          if (task.commitAttempt == null) {
7              task.commitAttempt = attemptID;//crash point
8          }
```