```java
private long expectedFileSizeLimit = memtableSize / flushSplitCount;
...
void doExperimentalFlushing(GraphMemTableFlushEvent event) throws IOException {
    ...
    SkipIterator<GraphRecord> flushingIterator = memTable.getFlushingIterator();
    while (flushingIterator.hasNext()) {
      long newSegmentId = versionSet.getNextSegmentId();
      String newSegmentPath = StorageUtils.getSegmentPath(segmentDirectory, newSegmentId);
      Segment segment = SegmentFactory.getWritableSegment(···);

      long flushedCount = 0;
      while (flushedCount < expectedFileSizeLimit && flushingIterator.hasNext()) {
        GraphRecord merged = flushingIterator.next();
        segment.put(merged);
        flushedCount += merged.getRecordSize();
      }
      segment.flush();
      segments.add(segment);
    }
    flushingIterator.dispose();
    ...
}
```