


3. then, Chatgpt somehow mentioned, that Linked Hash Map is not thread safe
then I recalled, oh yes, since HashMap is not thread safe,
hence LinkedHashMap is also not thread safe,
I asked for an example, where it's not thread safe

So for that let's look at the loadFactor parameter of HashMap

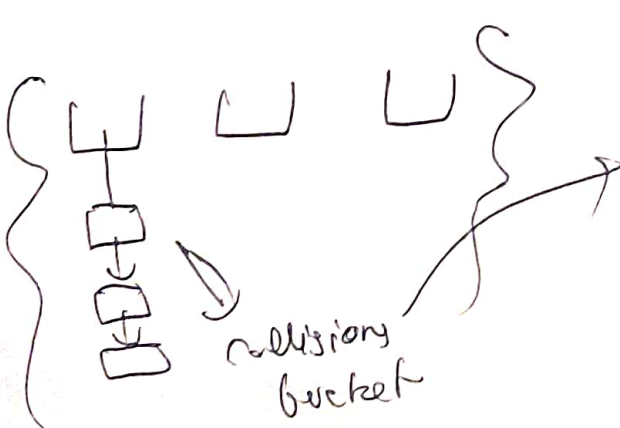
~~new~~ HashMap (int initialCap, ~~float~~ loadFactor)

Well this way initialCap = 16 \rightarrow Let's say,
loadFactor = $0.75 = 3/4$.

So as the HashMap fills upto $(0.75) \times 16 = 12$.
the HashMap will resize.

We know HashMap is like array of buckets 
collision happens then linked list is formed.

Now when, resizing is happening, the HashMap finds an array of contiguous segment of double its size,
During resizing, copying of contents, let's say that

 collisions bucket

Now when getting copied to new location
let's say two threads
 T_1, T_2 were doing put operation
and both triggered resize.

P.T.O

(\Downarrow thread1 \Downarrow thread2.)



whichever thread is
doing put operation,
it's responsible for the
resize.

Bucket1 node1 \rightarrow node2 \rightarrow null

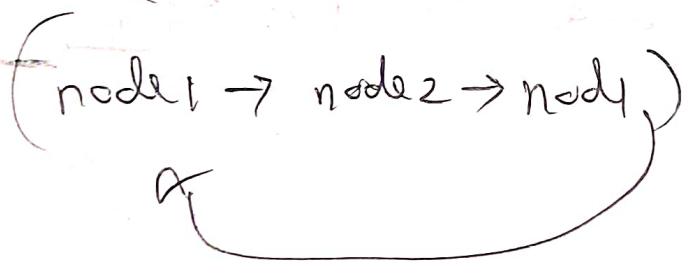
Bucket2 ~~node1~~

Bucket3

(node1.next = node2 ~~node1~~) \rightarrow thread1,

And maybe accidentally

(node2.next = node1)



formation of all
infinite loop,
hence thread safety
is important