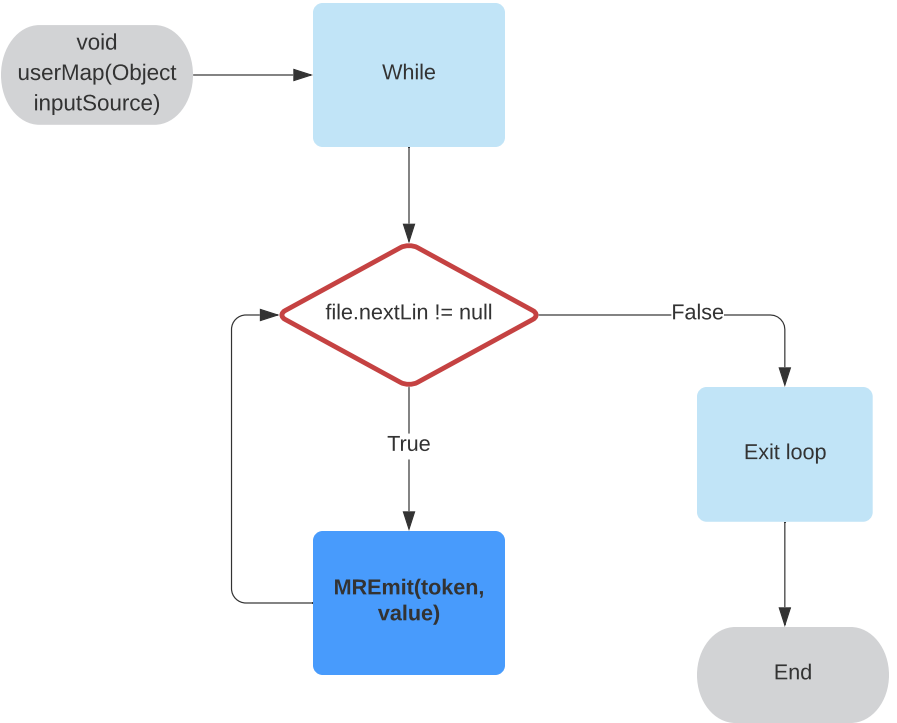
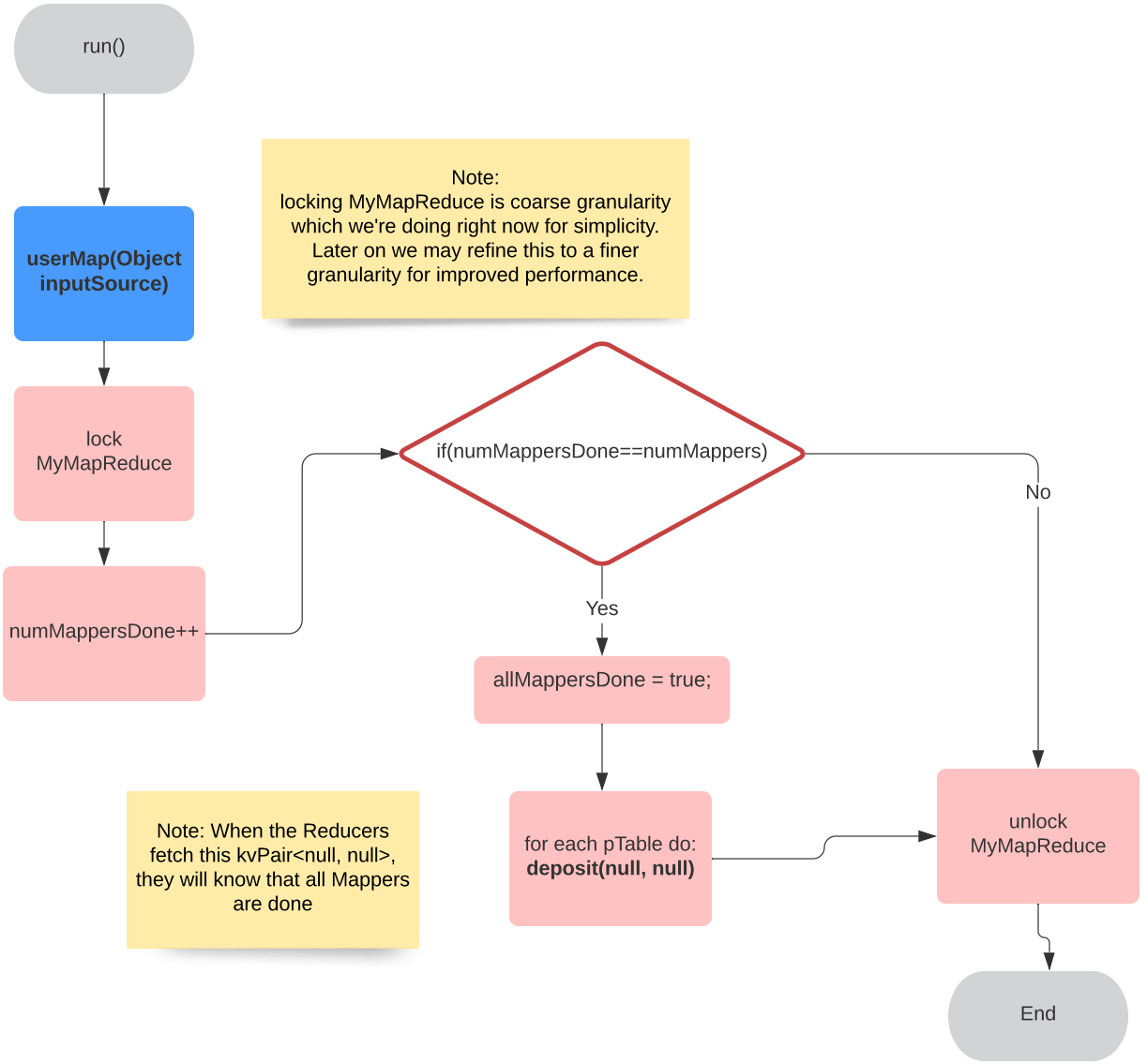
userMap

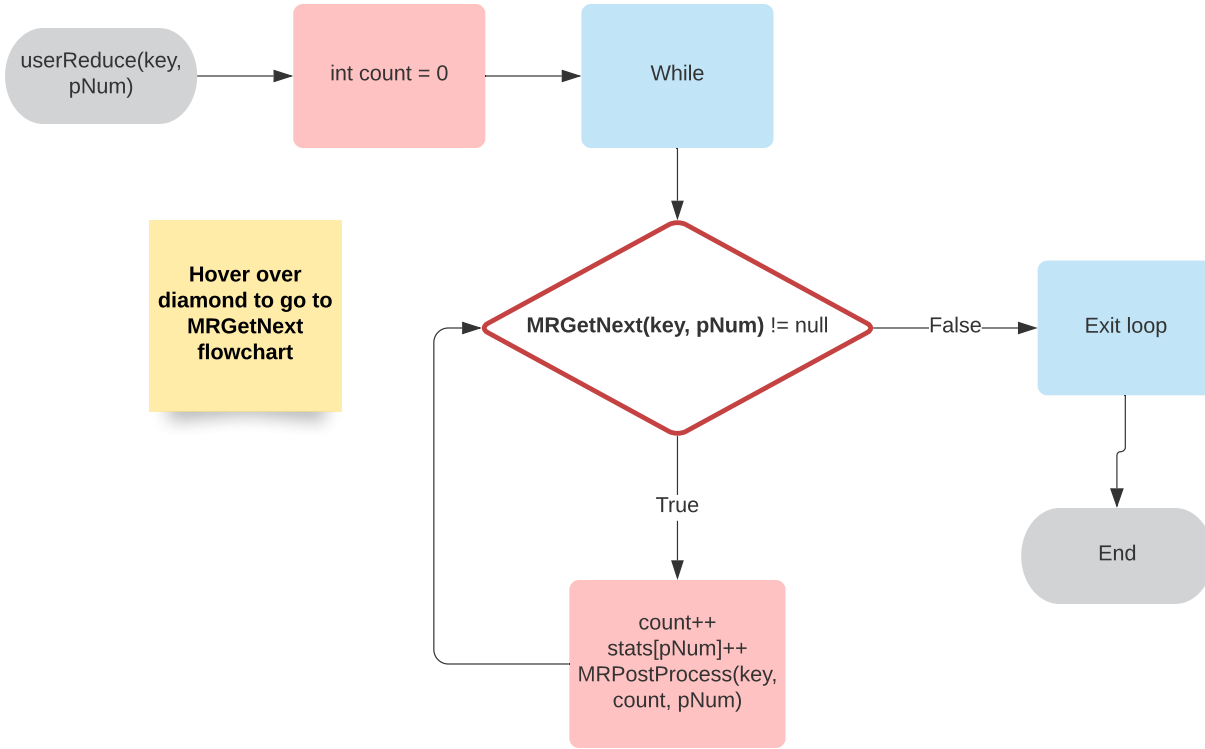


Hover over MREmit to go to its flowchart

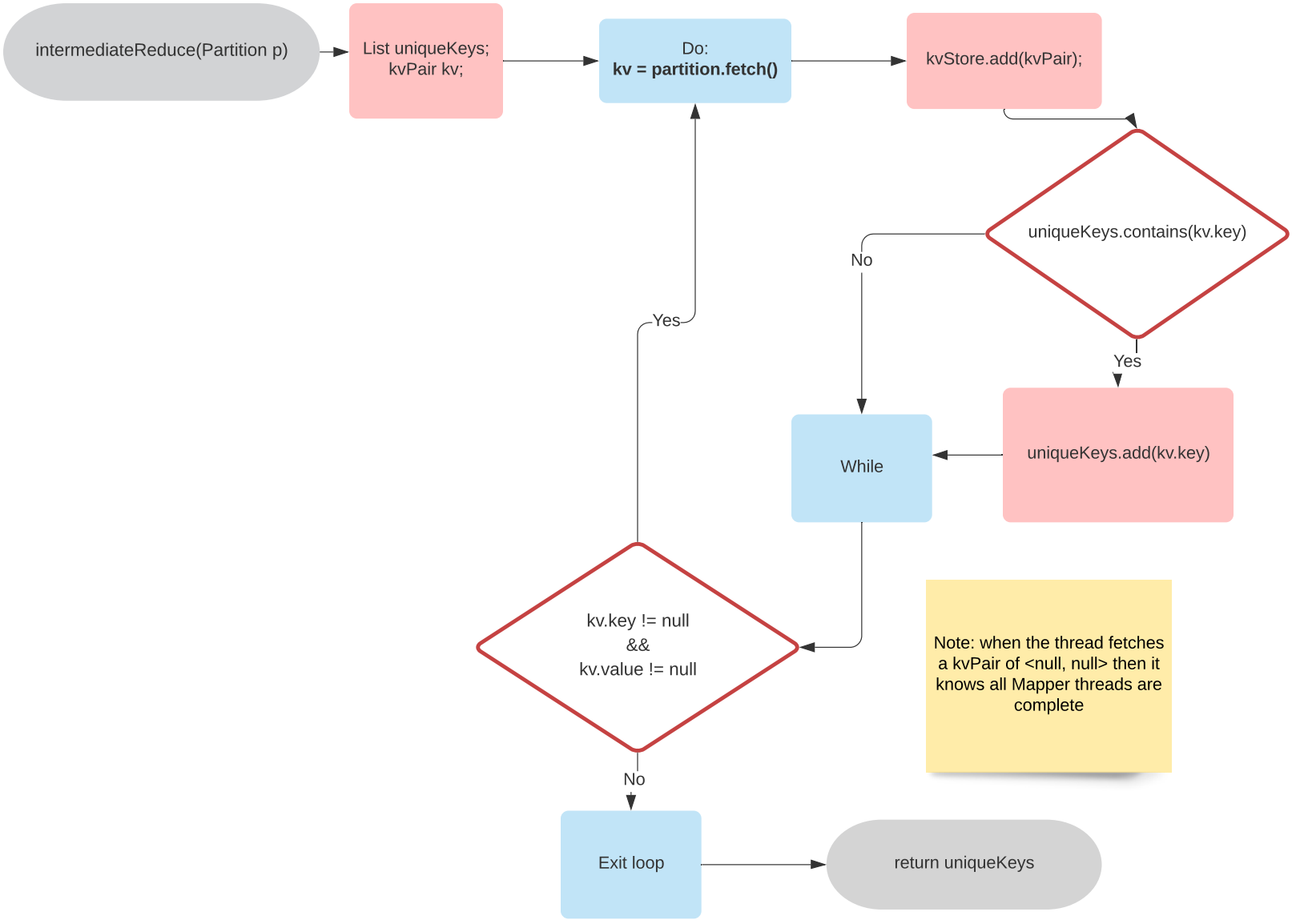
Mapper Thread



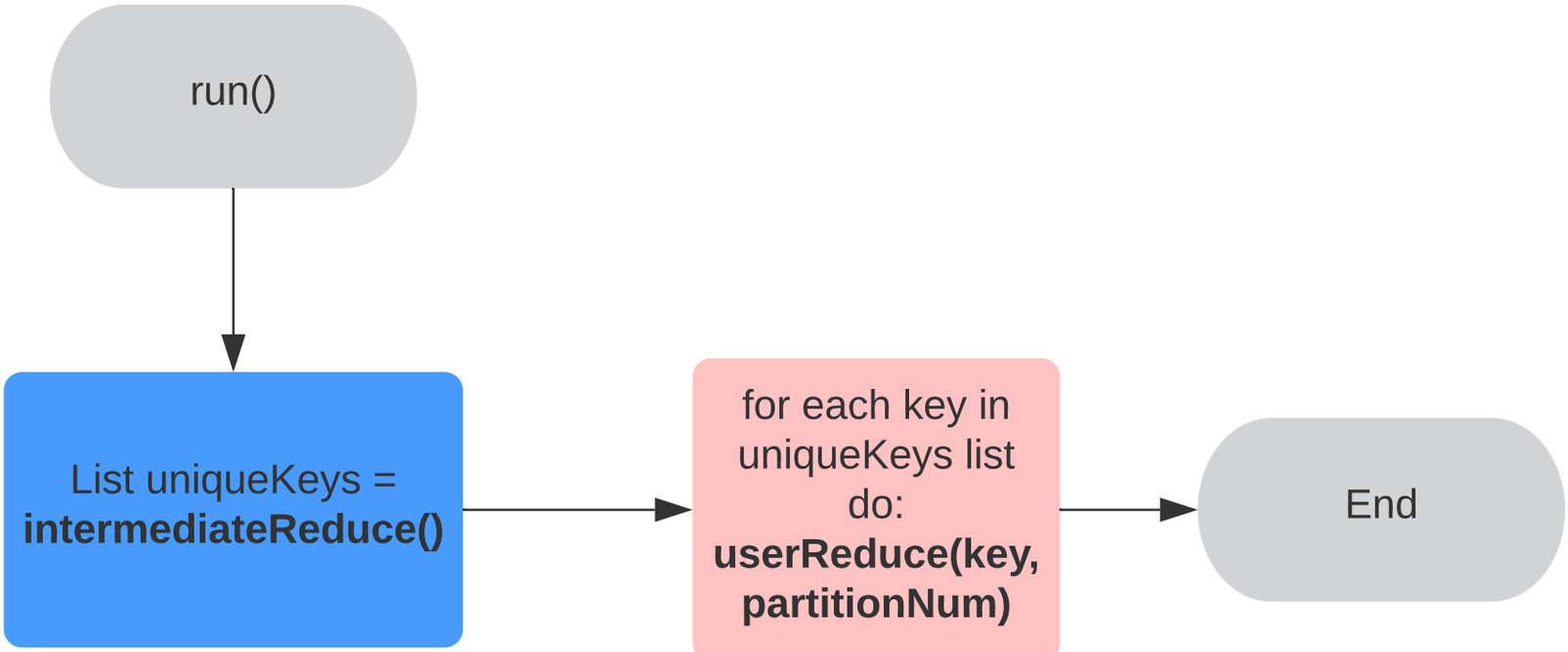
userReduce


userReduce(key, pNum)
int count = 0
While
Hover over diamond to go to MRGetNext flowchart
MRGetNext(key, pNum) != null
False
Exit loop
True
End
count++
stats[pNum]++
MRPostProcess(key, count, pNum)

intermediateReduce

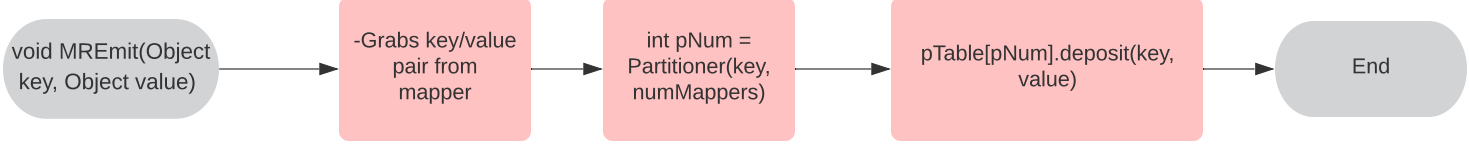


Reducer Thread

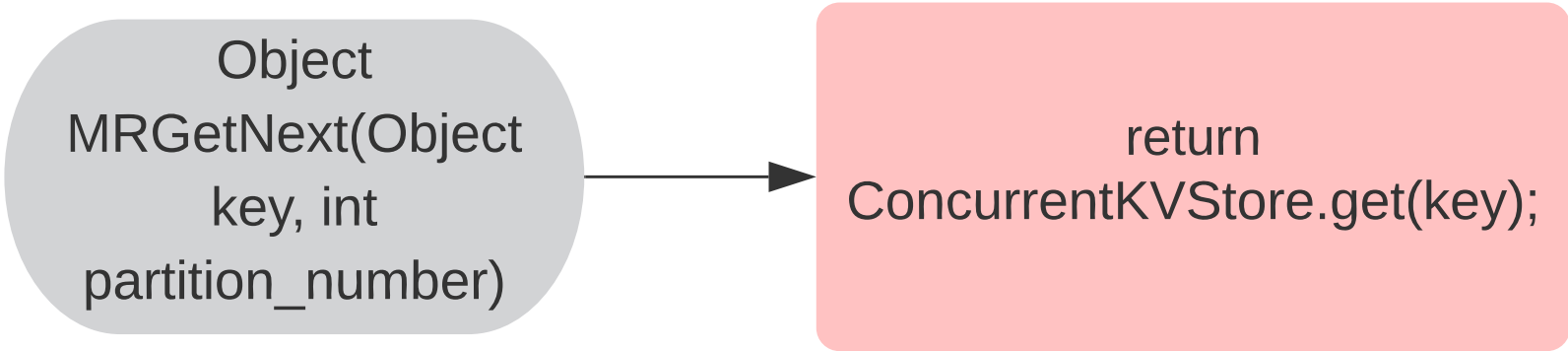


Note: intermediateReduce() cannot return before all Mapper threads are finished

MREmit


void MREmit(Object key, Object value)
-Grabs key/value pair from mapper
int pNum = Partitioner(key, numMappers)
pTable[pNum].deposit(key, value)
End

MRGetNext


Object MRGetNext(Object key, int partition_number)
return ConcurrentKVStore.get(key);