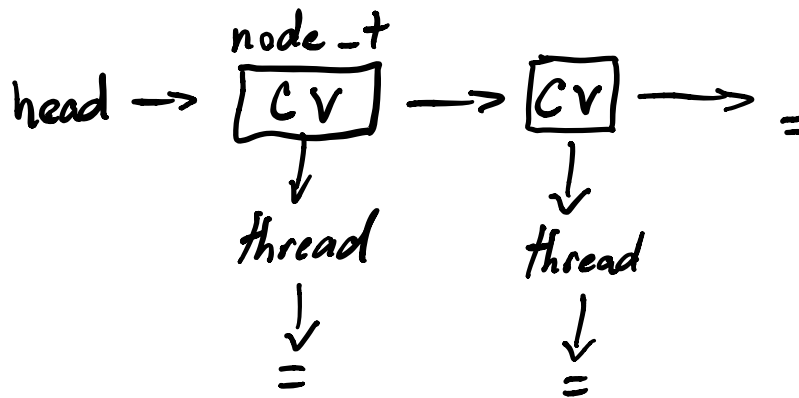


Enter



ensure

- nothing else is running
- the next highest thread will run next

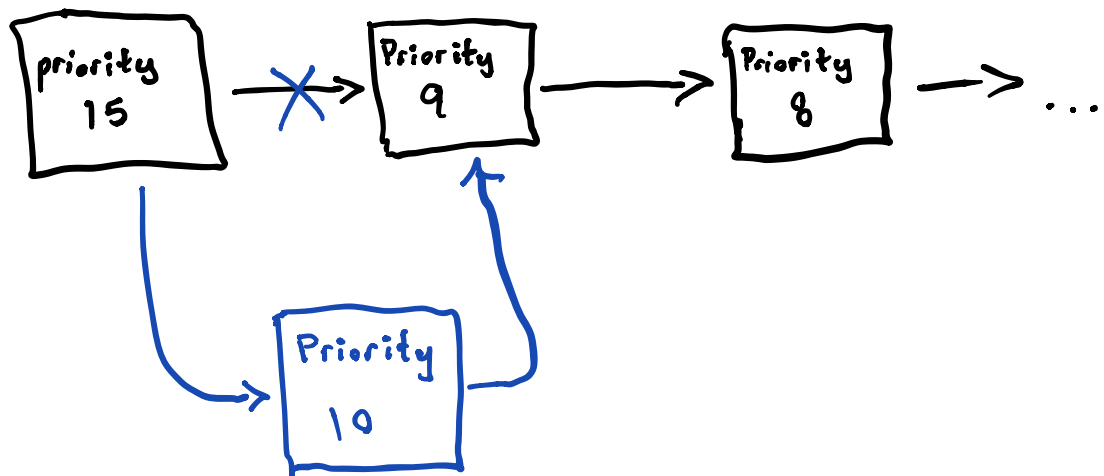
Keep the list in sorted order

Enter

Step 1: determine if a thread is running
checks if head is NULL
if it is then create the node
+ set the CV to busy

else there is a running thread
then we need to determine its place
ordering is easy

Step 2: insert the CV



Use a while loop to find the right place
Use two pointers to traverse the list
(or just ignore this part & I will do it)
add the node

Step 3: set the CV

set the condition variable to wait

Done

insertion & creation can be split into
helper functions