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Lab 3 Pseudo code assignment

constant num of items

constant buffer size

inizialize buffersize

initialize arrayOfThreads

start main

create pthread producer

create pthread consumer

initialize min, max, avg, total

for loop up to numofthreads

pthread join threads

end for loop

for loop up to buffer size

conpare max

assign if needed

compare min

assign if needed

add to avg

end for loop

compute avg

print the min, max and avg report

end main

start consumer

pthread wait

inizialixe variables

wait for status

while nextItemOut is less than NumItems

print item

end while

clear pthread signal

pthread exit

end consumer

start producer

while nextItem is less than numItems

num = rand number

assign num to buffer

end while

pthread signal full

pthread exit

end produceer