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Subject: Data Structures I

Topic: Round Robin Algorithm Report

Pseudocode for the Code

-Read processes from the File and count their number in a variable and store them in Array of Struct.

-Initialize a new Queue

-loop from i =0 -> wanted time slots

-loop from j= 0 -> number of Processes

-check if start time of process j is on

-enQueue that Process to the Queue

-loop from i=0 -> number of wanted slots

-loop from j=0->number of processes

-check the start time of the first process with its next one

-if greater than it

-swap them

-loop from i=0 -> wanted time slots

-loop from j=0 -> number of processes

-DeQueue from the Q

-Check if the process time is on

-decrement that process Burst Time

-check if that process burst time is zero

-print process name i->i+l aborted.

-if burst time is not zero

-enQueue process again

-if that process start time is not on

-enQueue the process and check the next process

-increment j

-if no process start time is on

-print idle i->i+1

-enQueue that process again

-increment i