

3a) Lecture 8 slide 10, slide 23, 28+32

- b) i) increased amount of time scheduled.
 $1/n \rightarrow 2/(n+1)$

If both placed at beginning of queue, higher chance of earlier completion

ii) Priority purposes; ensuring Quality of Service (QoS)

- c) i) Running programs prioritised over ready or newly arriving processes.
First program will run to completion, followed by the next one etc.
No pre-emption FCFS

ii) Running programs will be pre-empted by ready programs which will be pre-empted by newly arrived/suspended programs. There will be much pre-emption.

First program will run until another second arrives and then will be pre-empted. The second one will run for a brief period before the pre-empted first program is rescheduled.