



























The Solution Approach of QNA......continued.....

The approximate equivalent SQV  $c_{ai}$  of  $Q_i$  (i.e.of the interarrival times of jobs entering  $Q_i$ ) may be found by solving the set of simultaneous equations given in Sec. 6.2.2. (This is more complex than solving flow balance!)

3. The queues in the network can now be treated independently using the mean and SQV of the flow entering each queue and the mean and service time of the queue. This is done for each queue to obtain the queueing performance parameters for each queue and therefore of the overall queueing network. (See *Sec.* 6.2.3)

This gives the mean waiting time in queue and its SQV for each queue in the "modified" network (after feedback removal)

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