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C340 Concurrency
Compulsory Coursework (1 of 3)

To be handed in to G14
Deadline: Friday 12 November 1999, 12:00am

Consider a small airport that has only one runway. The air traffic control tower of the airport needs to co-ordinate arriving flights. Pilots of incoming aircraft notify the air traffic controller that they are entering the airspace and ask for permission to land. The air traffic controller grants permission to land only to one aircraft at a time in the order they entered the air space. Model this air traffic control problem in FSP. Use the LTSA to validate your solution! You can assume that the airspace has restricted capacity.

Hint: Model a queue of integers in FSP and then use this queue to model the order of arrivals.