

1998 Paper 9 Question 2

Digital Communication II

What is a *leaky bucket algorithm*? How can it be used to police traffic? How can it be used to shape traffic? [5 marks]

You are required to provide a flow admission controller for a router. RSVP is used to request resources for flows with leaky bucket parameters. Outline how you would design the controller, bearing in mind the soft state nature of RSVP. [15 marks]