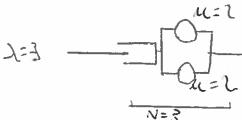
NAME:		
Extra Credit Quiz	ESE-CSE 346	T. Robertazzi

Answer all questions. Total is 6 points: part 1:4 pts, part 2: 1 pt, part 3: 1 pt. Show all work.

1. [a] For this queueing system showing all work in detail clearly find p_0 numerically. Here the system holds 3 customers at most.

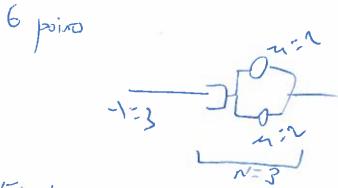


[b] Find U, utilization.

[c] Find P_B, blocking probability.

Exem color and

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Find Poru



let 1=3

Po: 3Po = 3P | Pi = 3 Po

$$P_{0} + \frac{2}{1}P_{0} + \frac{9}{17}P_{0} + \frac{11}{17}P_{0} +$$