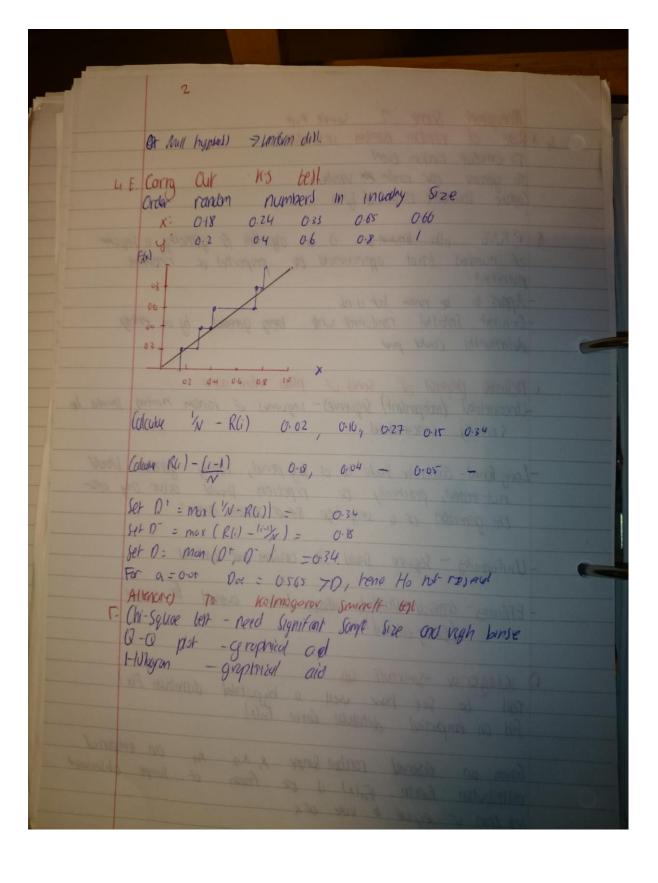
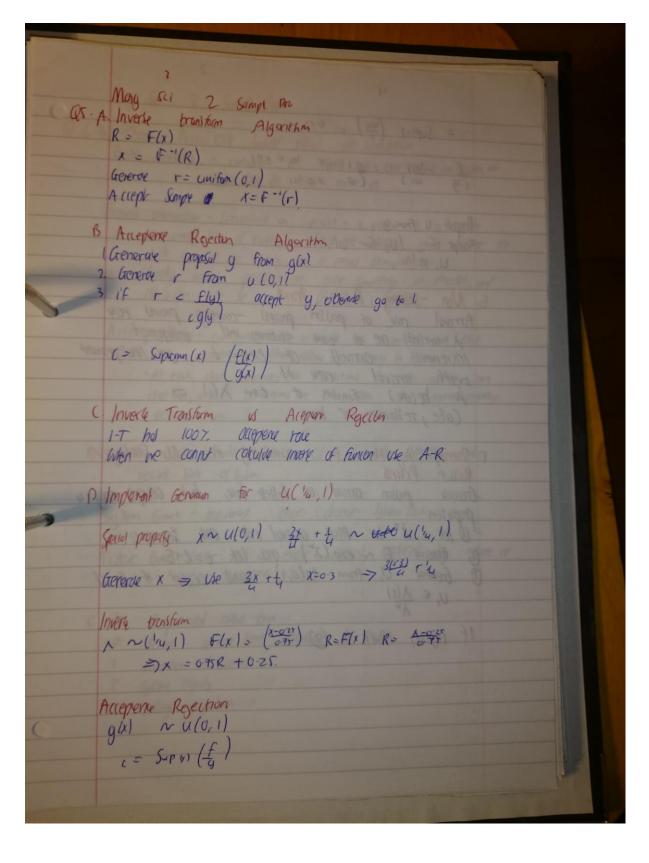
Management Sience 2. Sample Paper 4 A Role of random numbers insimulum To emulae random evans To generale other random to variable Capture Stochostic nature of wien B PRNG all known at is an algorithm for generally a segume of numbers that approximate the property of random -Appers to be rown but is no - Exhibit Statistical randomness while being greated by a energy delaminiti could prist Uncondobil (independent) sequences - sequences of randon numbers should be Serrolly uncorrelated -Long Renod - Generator Shall be of larg penal, i wally generator should not repeat, practically be repetition should occur only open the general of a very loge set of penden number - Uniformity - Sequence should be uniform and unlawed - Efficiency - General Starly be efficient Low around for communi (Evsily columned) 1) Kologorov - Smirnoff Lat Tells to see how well a hypotholy dilmbus fox) fill on empirical dylvinden arron Fig. Given an observed random sample x, x n xn an empirical distribution furch fo(x) is the from at sumply observant les that or equal to vote of x





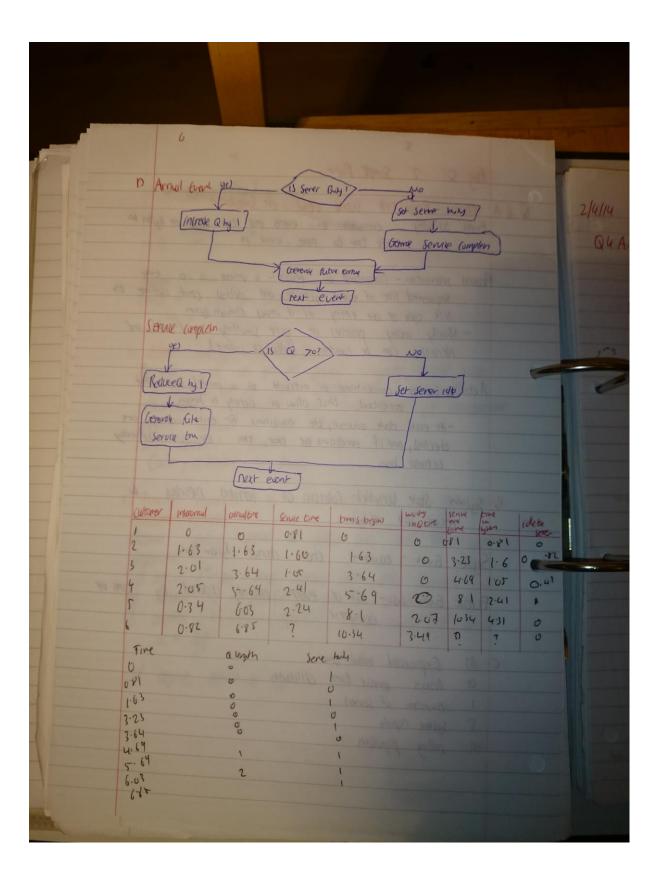
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Many Sci 2 Sumple Paper Q 6 A. Three Pravol ent world view on Simulation Event Scheduling - concentral on events and their offert on system we Updie time to next eveni et Proxess Interaction - Concentrated on process - a process is a time sequented lit of event, activities and delays that define to life cycle of are entity as it moves through system - Usually many processes are active simulately in model, and Iteration can be compar (follow to conone) Activity Scanning - concentrary on activity of a model and that condition that allow an activity to begin - At each class advance, the conditions for each acting are checked, and if conditions on the, the the corresponding octive begin B System State Vanually- Collection of variable necessary to record slew of Sylun Sylen Event - occurary that drange Glan sleve Future Event List - 11st of event motive), ordered by time of occurone C M Exponential intend trus Or General genere time distributes I number of severs S system copouty 00 calling popular



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