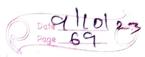
J.3 Conditional Probability of 10125 hongan J.31 Introduction of conditional probability. Sometimes ours computation of the probability of an event 1; changed by the knowledge that a related event has occurred for is guranteed to occurs or by some additional conditions amposed on the experiment. => Conditional Jeobabality:--> P(A1B) indicate the probability of event 'A' happening given that event 'B' happened. P(A)B) = P(A)B) e.g.: Tossing 2 corns zimyltaneously

B. getting head on one win

A: getting head on bot, corns. To And P(A)B). -> P(A[B) = P(A OP)



Two can easily understand the formula
for conditional probability using the below diagran. as & already happened Who sample speece (After & happened). Since 13 has already happened, the sample space reduce to B. So, the probability of A happening becomes PLANBO divided by PLBO. e.g.: In a batch, There are and C programmer, and 40% are Java and C programmer.

What is the probability that a c programmer 15 also Java Brogrammer. > Current PCC)=0.8 PITAC)= OIT