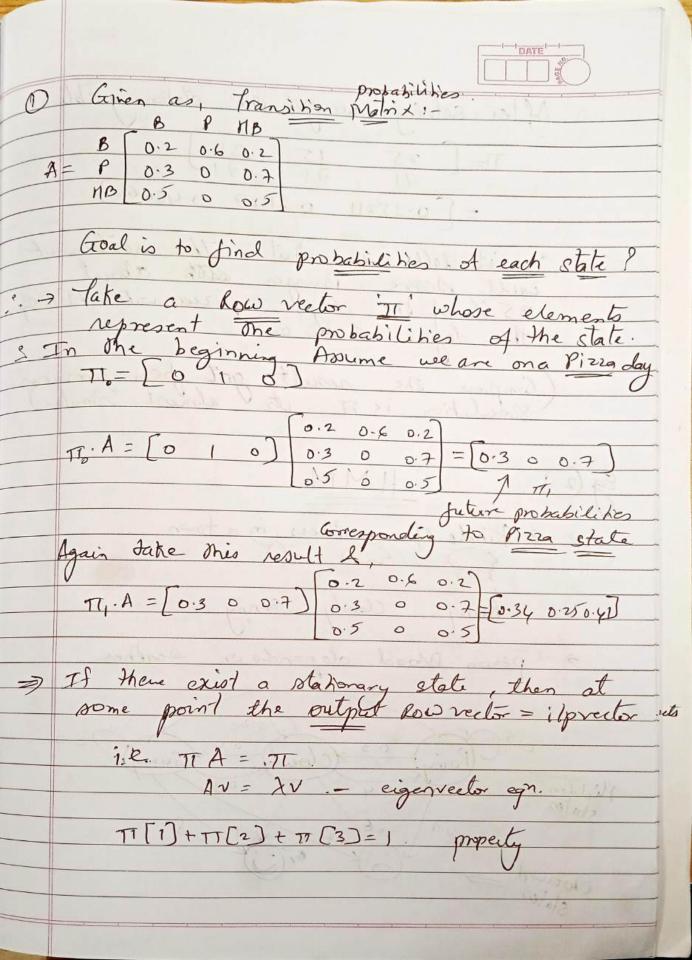
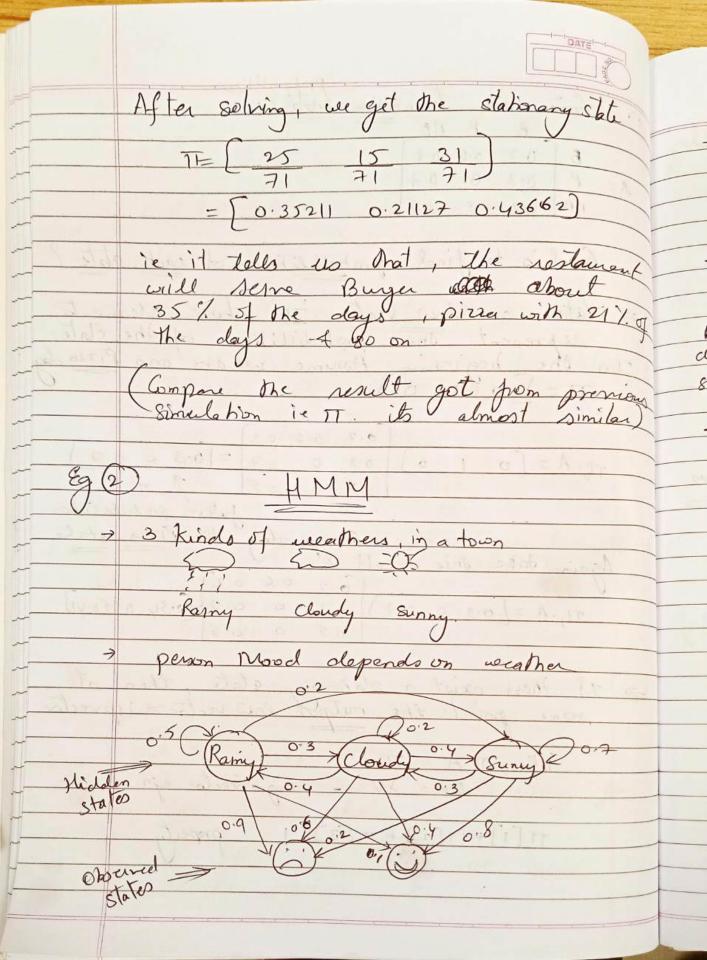
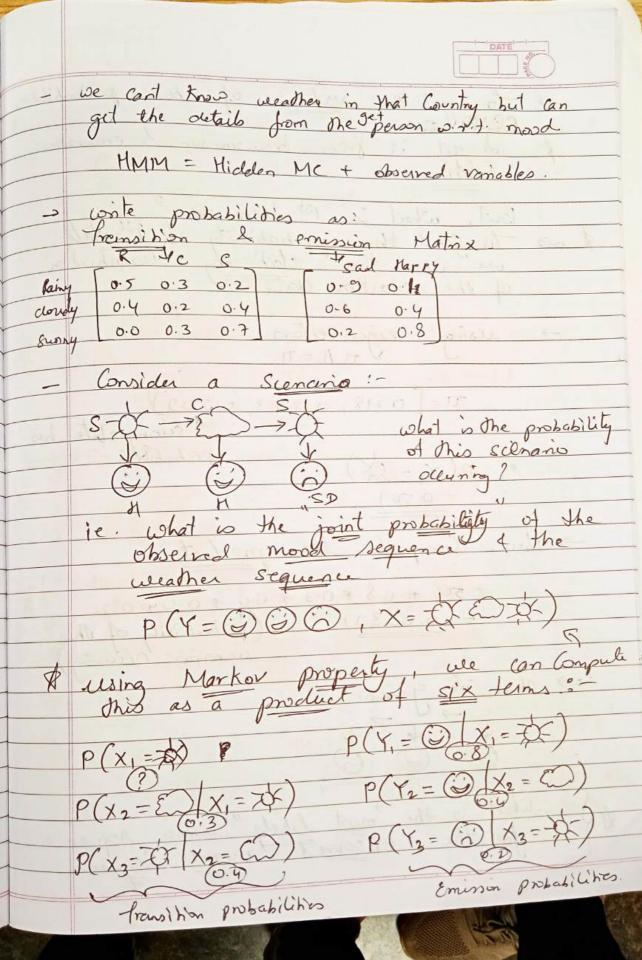


T Doing a Random walk along a chain. Random walk: B-> P-> B-> NB-> B-> HB-> ND-> B-> P -> After 10 steps:-P(B) P(P) P(NB) ie occurrene/total no. A days. 10 10 10

what happens in long runs foreg: 1000st.
Lets say, probabilities converge to otherse values? 0.35191 0.21245 0.43564 This probability distribution is Called as stationary distribution or equilibrium state. this prob distribution doesn't change for this Hartar chain. linear agebra.







To get the values of above probably

RECORD and

Warning to from transmission 4 emission of

Matrices. But, what is 1st ferm > ?

To find the probability of 1st clake
we need the stationary distribution

of the Markov claim. using eigenvectors, TI = [0.218, 0.273, 0.509]
Asunny state hos
probability -> Now, Compute the product 0.509 * 0.8 * 0.3 * 0.4 * 0.4 * 0.2 - 0.0039) (probability of this sunaino occurry) > Now, if given: what is the most likely weather sequence for the observed most sequence

