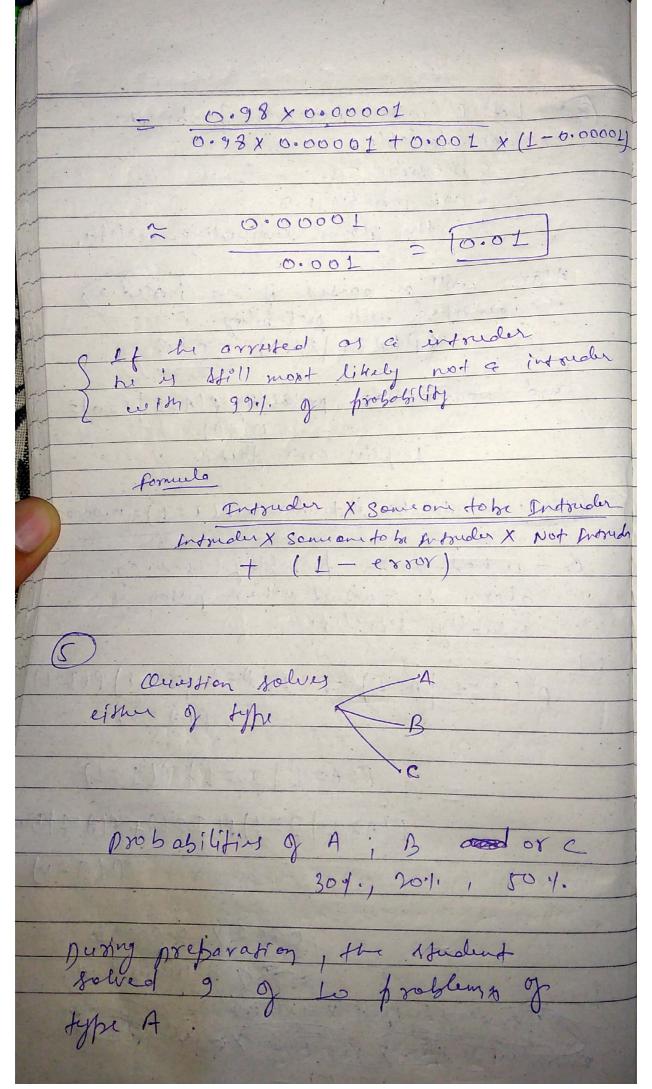
Let I with i \(\geq 0,1 \geq \) be the yardom variable.

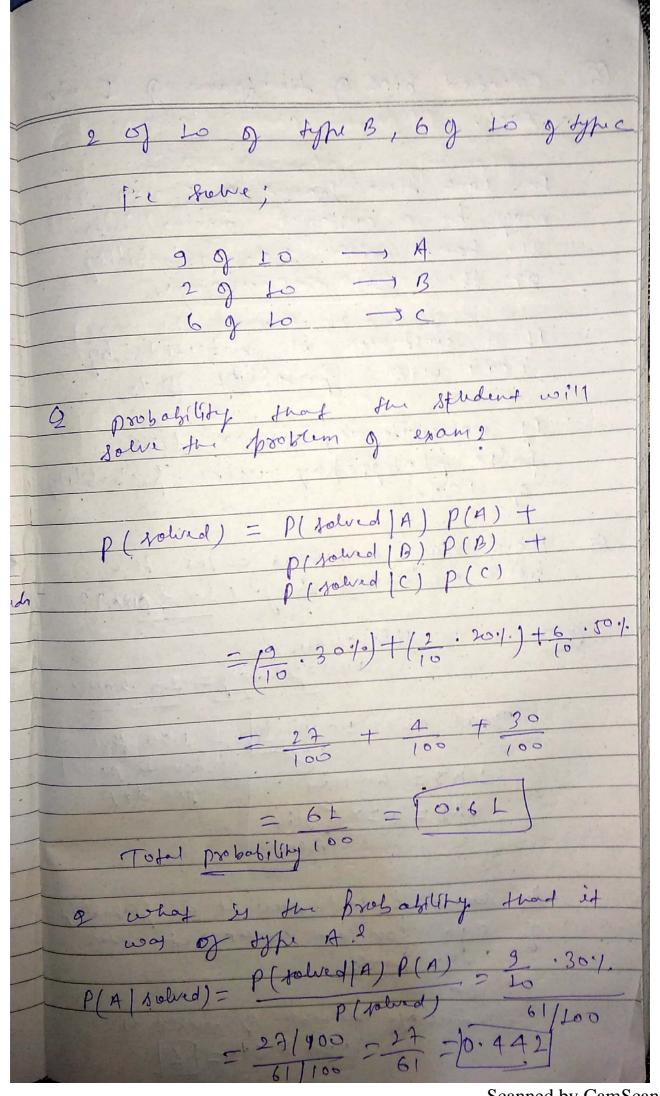
Sintruder = 1

2 not intruder = 0 he the alorm indicating variable Alorm will be raised if an intender is identified with probability. P(A=1 (1=1) = 0.98 and non-intolder probability P(A=1 1=0)= implies error factor. (Someon) to be intouder. P(I=1)=0.00001 - what is the probability that an alorm is raised when fusion is quised when fusion is P[I=1 | A=1) = P(A=1 | I=1) P(I=1)P(A=1) P(A=1 | I=1) P(I=1) P(A=1 | I=1) P(I=1) + P(A=1 | I=0) P(T=0) 00001 x Influent dentifice x 15 horoder

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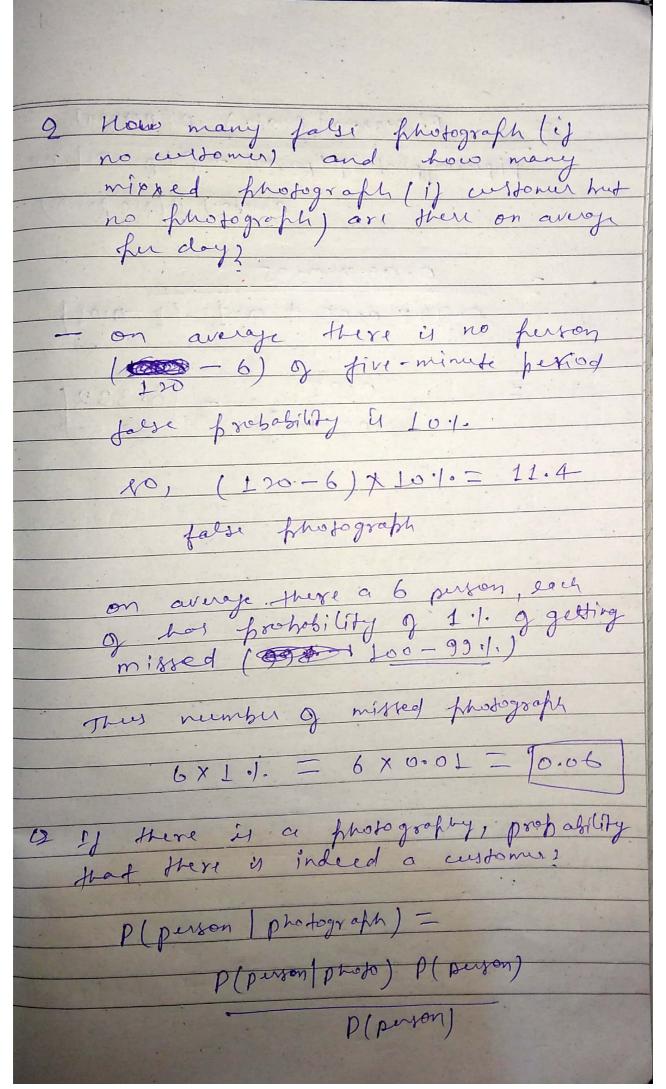


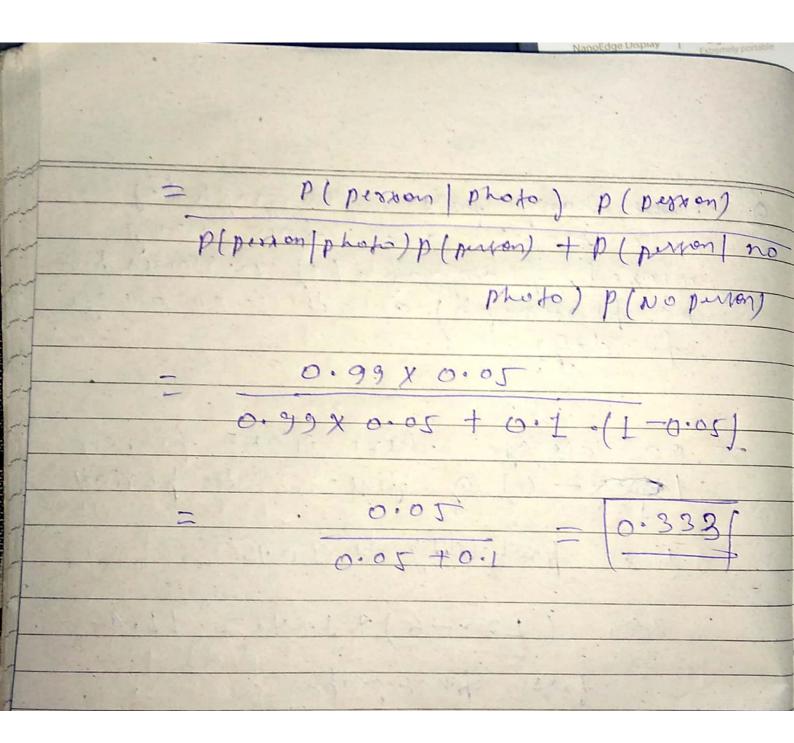
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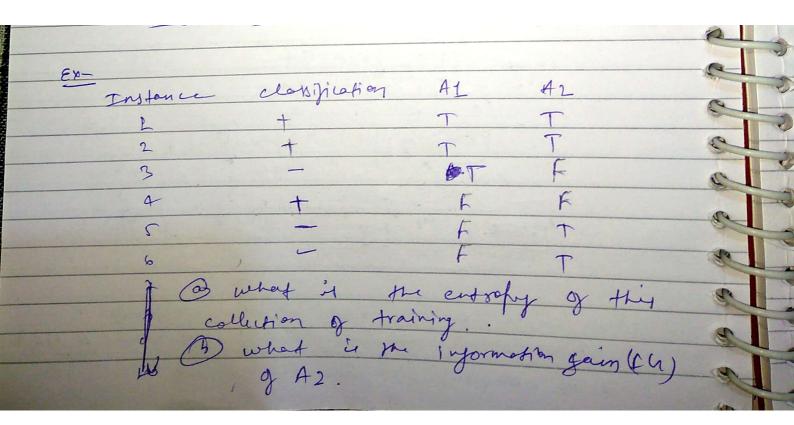


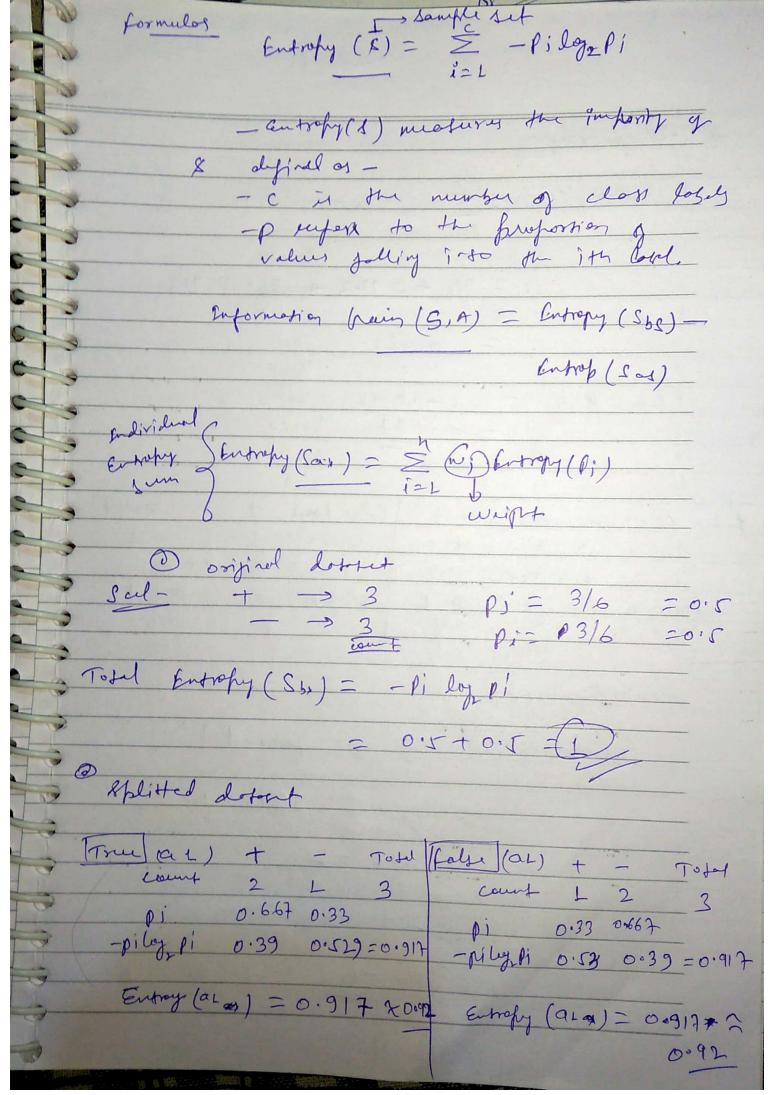
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