Superiised learning 1 Naive Bayes Ir classification Works on Completely Condition at Probability. O Condition probability (1/2 42 = 0.8,0.5) D'independent event. Je taux 2 wins D'dependent event. independent (Tevent)

Pick one black 5 next event (not her

Pick one black 5 one rext event (1/4) blacks Variables (tevent) 00 Condition A,B-72 events. Merbles take what probability findows Zwant Continousyo

Event (B)

Black
marbles

Event (B)

One more

Black

Black

P(B|A)

- Black

Black

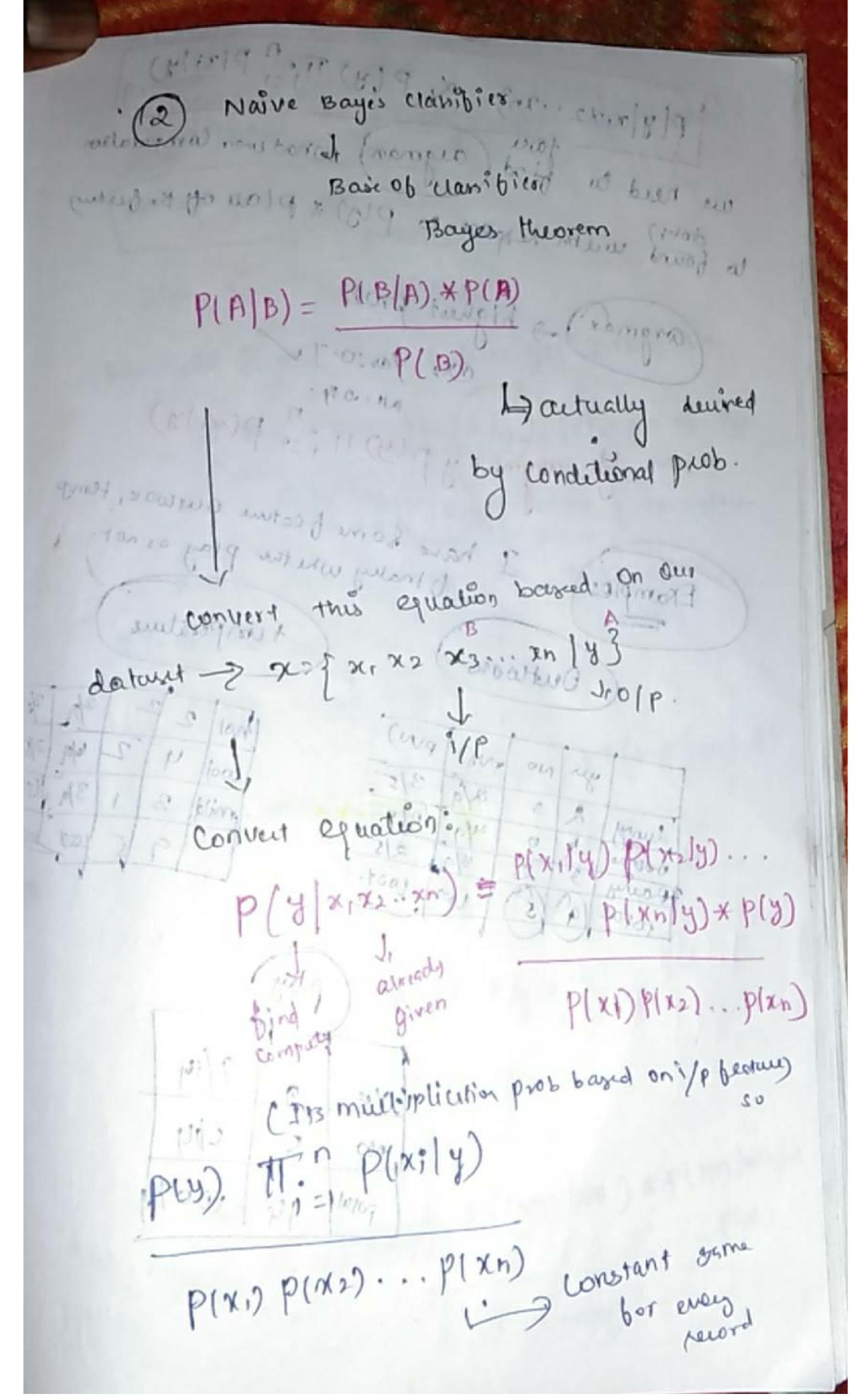
A prent

P(B|A) marbles P(B)=3/5 $P(B|A) = \frac{1}{4}$ $\frac{2}{5} \times \frac{1}{4} = \frac{2}{40} = \frac{1}{10}$ (9) 9 % (9) 9 What is Pirots dependent - Try to bind out prob of Joseph amer of events abready performed.

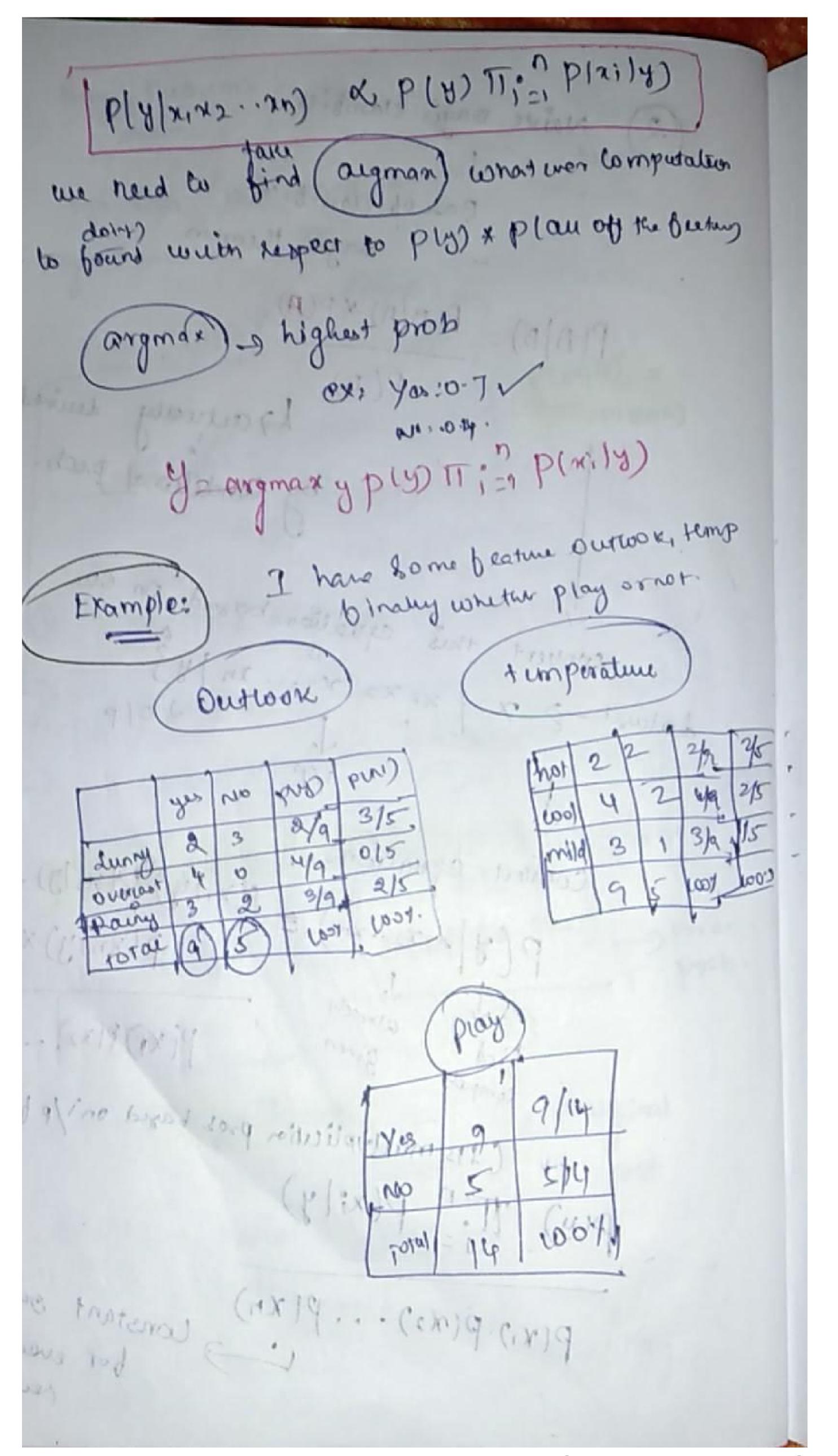
Havening (taken in place)

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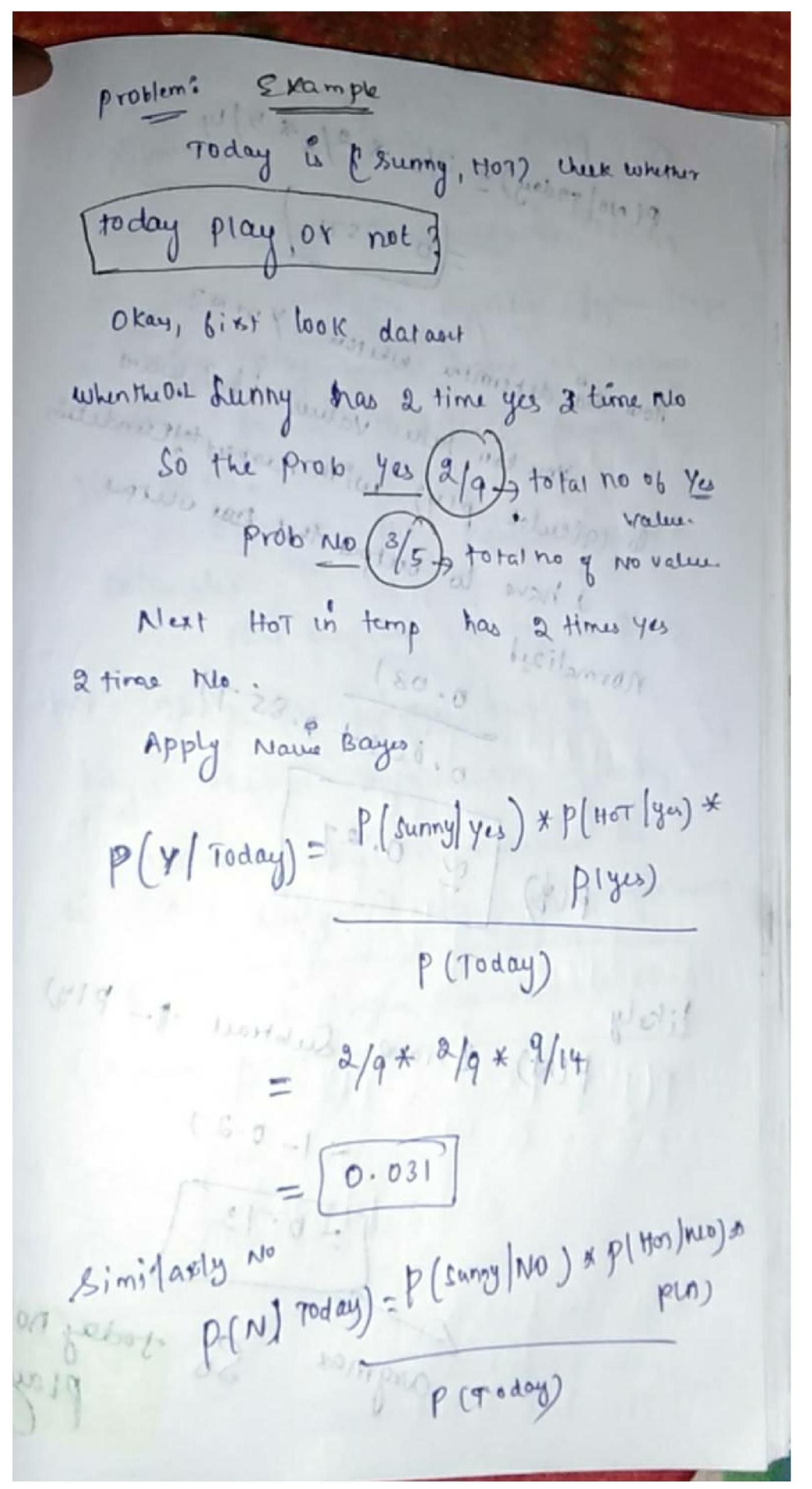
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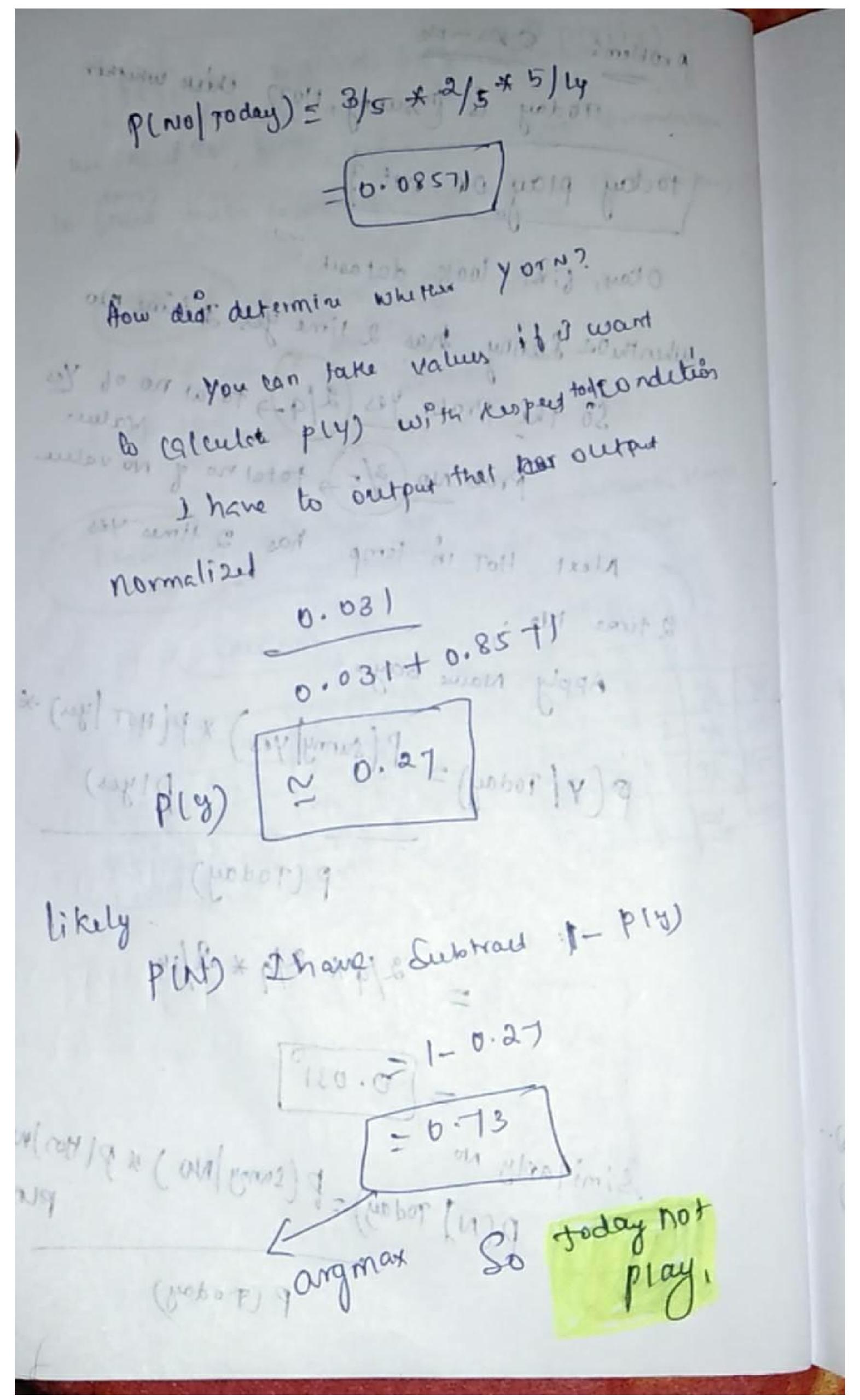


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We have dataset Outlook, temp if p features and one dependent betwee (torget to today play or not band on outlook, temp butuus 14 helords actually say Yas - 61 No. based on the Particular Prob But we show today is Junny, Calculated. not apply nacive bayes based on bayes theorem. I calemating binady normalize-which of maximum that is our Output " Hue No is maximum. No 12 higher argument trien yos. (ant 1840) 184-819 - (Jul 184-199 (201 6 1 100) of 10 4 6 19 5 0 Plex/9 went the food of citivas 13/mx 19 · trad & tool est istnot bod is pool toll

(3) Apply nauve Bayes classbur on text data. How does a currently work on text data de la lour de la constata del constata de la constata de la constata del constata de la constata del constata del constata de la constata de la constata del constata del constata de la constata de la constata del constata de taxt [] good [] herrore some some propriets [] prepriets [] prepriets [] tor [] this a preprocess the get vertor like no popul this food declious bad Ply=yes | Sint) = ply=40 (king +xn) a = Ply)* Tr P(xily=yes)* P(22/y=yes). Sent: The food & delicion Planly=yes) sents: The food & boil.

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