HW-3 1.5 person MA-485

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RLAZER 10 ; SSRINIVA

kom TENNESSEE: June my 4ES, 2NS, 255 LIT. . The sample sprace has is given as a

S= & E, N, S, T}

The probabilities are recomputed of 1(E) = 4

6 (N) 5 3 P(S) = 2

P(T)= 1

Energy 2.2

Aug. P(A) = 1 P(Ac UBC) = 11

: P(ALB) = 1- 11 = 12

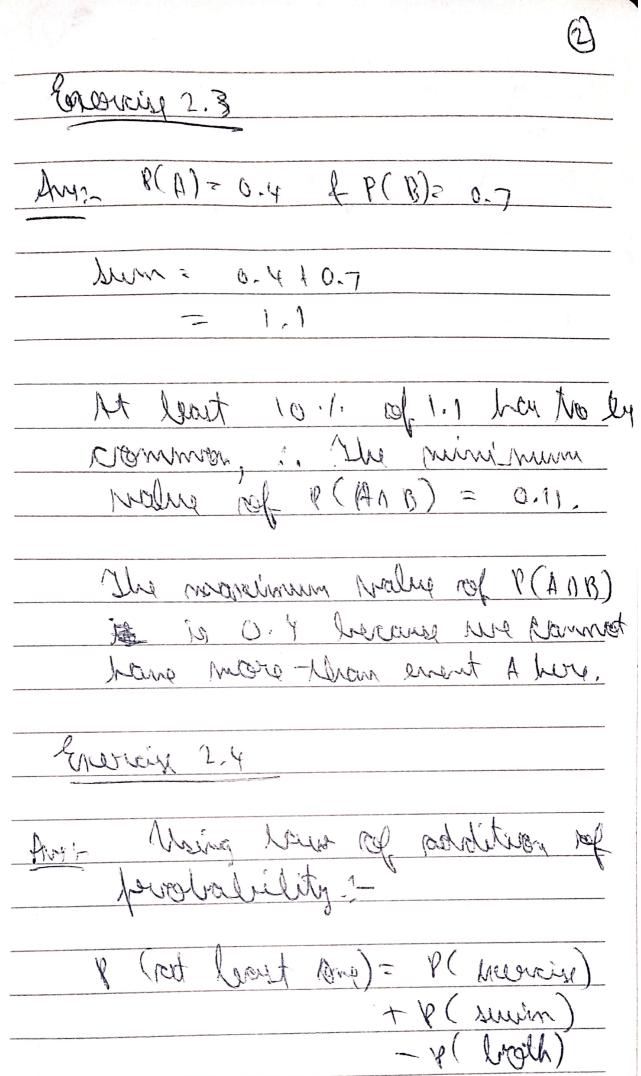
- juliable of public of probability b(B) = b(40B) - b(A) + b(A TB)

$$= \frac{3}{4} - \frac{1}{3} + \frac{1}{12}$$

$$= \frac{(1 - 4 + 1)}{12}$$

$$= 0.5$$

:. Probability is 0.5



= 0.6+0.45-0.19

=0.9
*2
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inthibation per
Exercise 2.5
tous P(B,) = 0.6
1(13,) = 0.5
1(B, 1B2) = 0.4
: P(B, UB2) = P(B,) + P(B2)
- P(B, OB2)
= 0.6+0.5-0.4
2 0,7
(swert autiem will all) 9.
= V(B, NB2).
2 1- P(B, UB2) 10
. 2 1 - 0,7
20,3

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An: 1 in they in hundredth place.

B: 1 in youth it : 8

C: 2 in they in with place.

 $m(H) = 1 \times 10 \times 10 = 100$   $m(B) = 10 \times 1 \times 10 = 100$   $m(A) = 10 \times 10 \times 1 = 100$   $m(A) = 1 \times 1 \times 10 = 10$   $m(B) = 10 \times 1 \times 1 = 10$ 

m(CnA) = |x|ox| = 10 m(AnBnC) = |x|x| = 1

m(AUBUC) = m(A) + m(B) + m(C) - m(ANB) - m(BOC) - m(C(NA) + m(ANB) - m(C(NA) + m(ANB)

2 27)

W(2)5 10×10×10 = 1000

(5)	
P(1	at least (onez) = m(AUBU)
percental control and control	
	- 211
	1000
ingel der Laten (1819) für Gereiter (production from Englise con recovery con e	= O.TI\
hu	ruige 2.7
Avy:	was to enestinos relumen : A lang. I ano
	nietness tindeson't contain the digit I
Ive	1 = 0 (4) = 9x9x9 = 729
	P(A')= 719 = 0.719
	p(A)=1-V(A')=1-0,729
	= 0,271