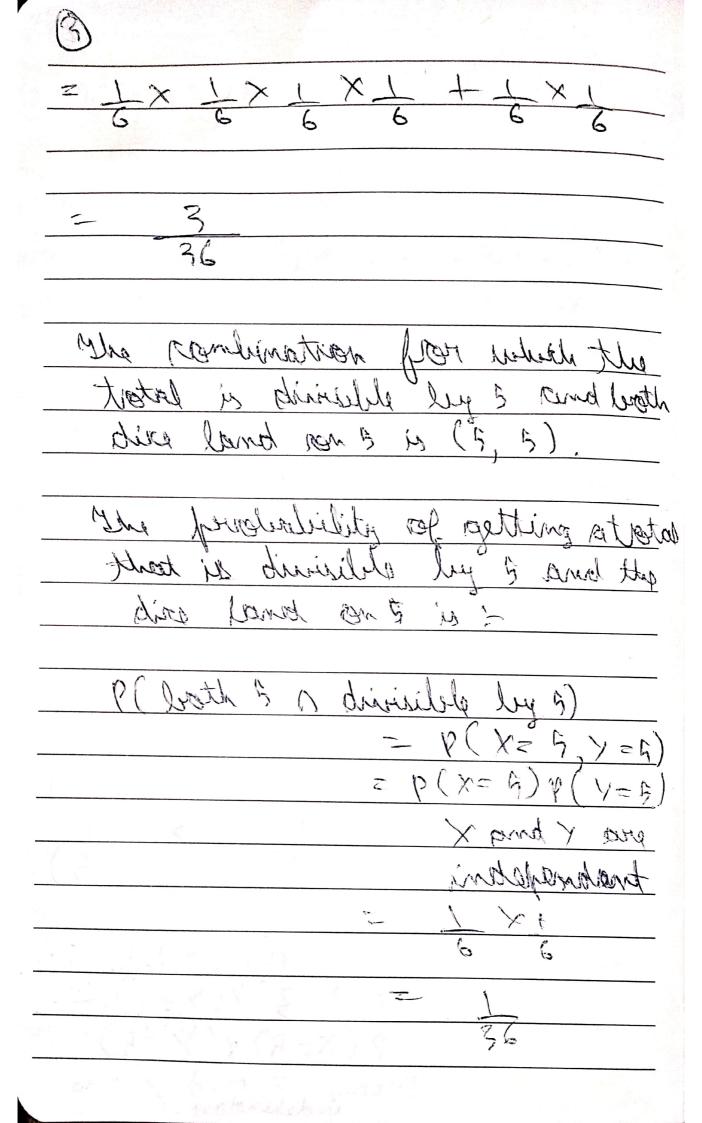
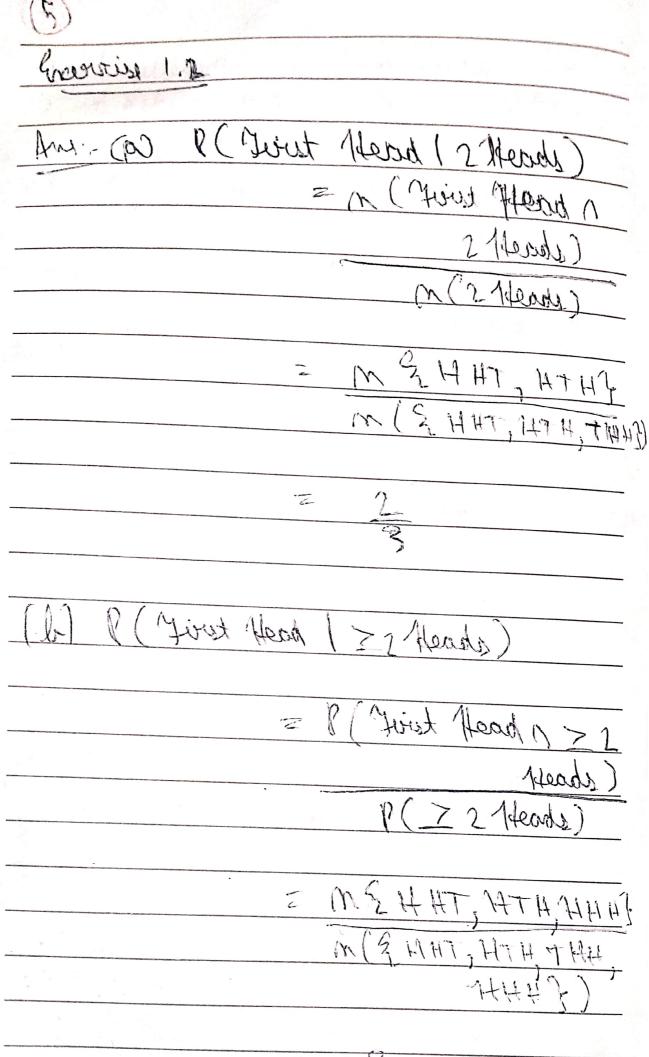
(1) WAME'T SHREYAS
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HWY
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En (2,3), (3,2), (5,5)}
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* * * * * * * * * * * * * * * * * * *
+ P(X=5, Y=5)
= B(X=5) b(X=3) +
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great of large of exercises



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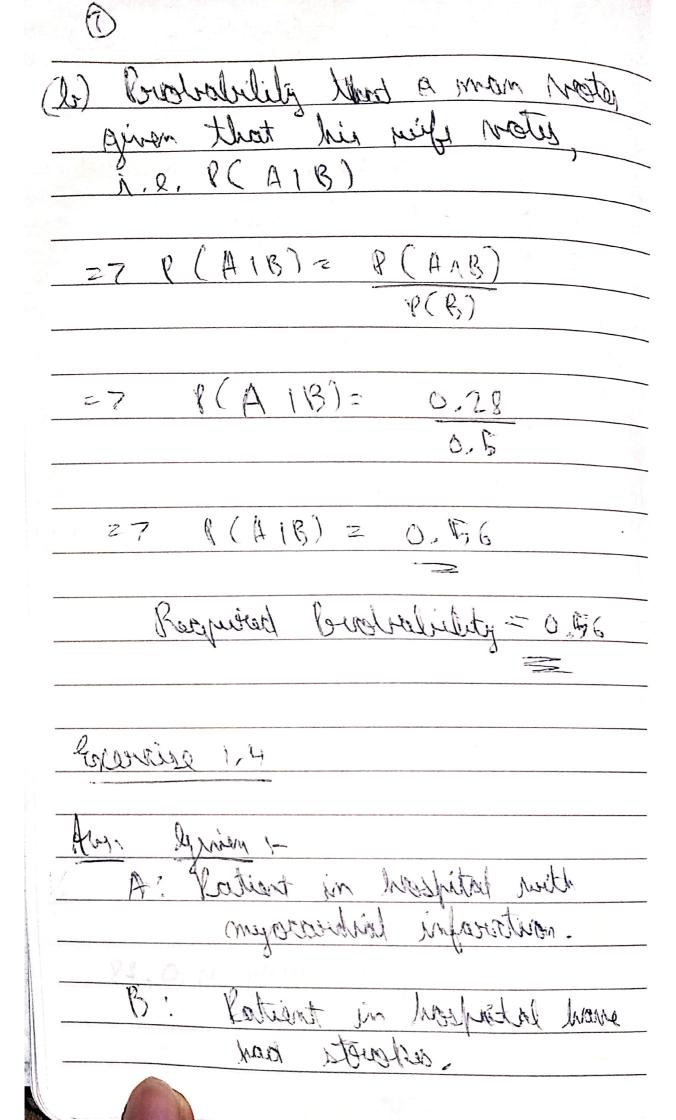


72 3 some 3

	Figure 4.2	(9)
Enercise 1.3		9 7
tmand sing - : mp.  surran = 4  enveron = 4	that:	
A = (Marris	etown man be	Ц
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P(B) 2 0.5 P	(A) 2 0,4	
P(B) = 0.5 P P(B) = 0.7		
(a) Brobability the	pervison A to	Muilhan
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O l	,	
) y = (4/8) g	(AOB)	
	P(A)	
		Annual Control of Cont
=> P(AnB)= P	(A) 9 - (A/8)	

P(ANB)= 0.7x0.4 P(ANB) = 0.28

85.0 in phillipsiloned



: B(B+A) = 0.20, P(B(A')=0.35 P(A) 2 0,40 b(H1) = 0.00 sman tent drastay for juliaborbard i judanta kank (B) = K(BUH) + K(BUH) P(B)= P(A), P(BIA)+P(Ai). P(BIA) (B) = 0.40 x0.20+0.60 P(K) = 0.08 +0.21 P(B) = 0.28 great christay go gustinesses : .1.85 et gestarte bank · Evereize 1, 5 Aug Syrian -E, > Output brown importains Ez= (Outlyt Green) = Z

Out windram moved bufter -: E. I E1, E2 & E3 are mutually disjoins instrupted in buffers - Al :. P(E,) = 0.50; P(E2) = 0.36; (E3)=0.20 2. P(A1E1) = 0.04, P(A1E2)=0,02 P(A1E3)= 0.03. Brobability of total defection, i.e. P(4). By using Bays's theorem. (A)= & 8(E).8(A)E) P(A) = P(E1). P(AIE,)+P(E2). P(AIE2)+ P(E3).P(A1E3)

=7 ((A) = 0, 50 XO,04+0.30X 0,02

+ 0,20×0,03



$$Q(A) = 0.02 + 0.006 + 0.606$$
  
 $V(A) = 0.032$ 

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