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Question - 2 P(A)=0.6 PLAUB)=0.9 a) P(B) if A & B are independent PLAUB) = PLA) + PLB) - (PLA) x PLB)) 0.9 = 0.6 + P(B) - 0.6 (P(B)) 0.3 = 0.4xP(B) P(B) = 0.75b) P(B) if A & B are mutually exclusive PLAUB) = PLA) + P(B) 0.9 - 0.6 + P(B) P(B) - 0.3 c) Find P(B) if P(A1B) = 0.5 As me know PCAIB) = P(ANB) P(B) P(ABB) = P(A) + P(B) - P(AUB) P(A18) = P(A) + P(B) - P(AUB) P(B) # P(B) P(B) - 0.6 + P(B) - 0.9 0.5 0.5P(B) = -0.3 + P(B)- 0.5 P(B) - - 0.3 P(B) = 0.6