Assignment -3 Bag I contains 4 nehill & 6 black balls
Bay 2 contains 4 nehill & 3 black balls
Ball is found to be Black Find the probability
that it I was drawn from Bag 1 Er be event of choosing Bag!

Er be event of choosing Bag?

A be event of drawing black ball

P(E1) = P(E2) = 1 Also, P(A/E1) = P(drawing black ball from bag1)
= 6 = 3 P(A|E2) = P(duaning black ball from berg2) MOIT DANNER ZALDO P(EI/A) = P(EI) P(A/EI) P(E2) P(A/E2) + P(E1) P(A/E1)  $=\frac{1}{2}\times\frac{3}{5}$ 2 x 3 + 1 2 x3 3 ( 126) = 3 x 387 = 7 10, 186 12 Ans: P(E, /A) = 7

Hssignment-3 A man is known to speak touth 2 out of 3 times the therows a dic a uports that number obtained is a Jour Find the pushability that the mo. obtained is jour. E is the event that man suports that number is jour. A is event that 4 occurs B is went that 4 has does not occur P(A) = 1 P(B) = 5P(E|A) = Puobability that man suports 4 occurred four has actually = Probability of touth = 2 P(E|B) = 1-2 = 1 P(A|E) = P(A) x P(E(A) P(A) x P(E(A) + P(B) x P(E(B) 1 x 2 + 5 x 1 = 1 x 18 2 = Ars: P(A) E) = 2