-> White balls = 4

Black balls = 6 @ Bag 1 -> White balls = 4

Black balls = 3 $p(EI) = p(E_2) = 1$ # Choosing one bag. Probability of black balls in bag1

p (A/E) = 8 Probability of Alack balls in bag 2.

P (A/E) = 3 P(E1/A) = P(E1) * P(A(E1) $p(E_i)*p(A/E_i)+p(E_i)*p(A/E_i)$ - 1/2 * 10 (1/2 * 1/2 + 1/2 * 7) = 0.5833

3 Probability of it's a touth = 2 = p(A) " " lie =1-2 = 1 = p(B) Probability of getting a "4" = 1 = p(E,) $n = 1 - 1 = 5 = p(E_2)$ $p(A/E_i) = \frac{2}{2} \frac{1}{16} p(A) = \frac{2}{13}$ $p(E_i) = \frac{1}{16}$ $p(B|E_2) = p(B) = \frac{1/3}{3}$ p(E2) 5/6 $p(E_i|A) = p(A) * p(A|E)$ p(A)*p(A/E,) + p(B)*p(A/E,) = 2/3 * -(2/3*1+ + + 5)