## # Question 2 Brobability of Black ball from first bag P(B) = 6/10 t Bag to be chose P(I) = Black ball from second bag P(B2) = of second Bag to be whosen Bobability of Black Ball P(S) = 9/17 Brobability that black ball P(B) x P(I) 6/10 x 1/2

0.5667

# Question 3 Probability of Truth P(T) = 2/3 Probability of lie P(L) = 1-2/3 = 1/3 Probability of four P(F) = 1/6 Bedability of not four P(N) = 1-1 = 5/6 Brobability that its actually four CP(T)xP(F)+(P(L)+P(N)