Orden in formation, soll 1 = (3) 3000 1000 (3) 2.0-1)(110-4) (140-15/F-041) -0.05 10.75000 to to has descended 7 197 025 (00) +81.06 (00) Complands, p8. 10 0.3 3 (8) Form the above Tree diagram mat 0 is Sent Probabaltis: 0.7 2 is Sot with Probability: 0.3 Due to noise ois chartolnites probles 0.05 Due to noise 2 is charge to a with product = 0.25 A: The event That I is Received B: mot event 1 10 Sent I med find P(B/A) = ! P(B/A) - P(A/B) P(B) $P(B) = 0.25 \times 0.3$ = 0.4(A) P(AIB) = p(2 in Soil) × p(1 das not charge

(2) Oriven internation! (1) Tudges & Choose bandon of soven Jubyes. 2) 4 Judges Farlour A (3) 3 Judges favour 13. Rind p(A) A: A will win too bounts contest. top Tudys: 7 Choose 3 u & = . w; = 74 = 7! = 7×6×5×4× 7×2×1 (3x2x1) (4x3x2x1 & Fareous of A' & 3 Farrous of B) P(B)= 35 = 0.08

The Probabiles That A will be Locleved as