LZ4- Conditional Probability P(B)A) = P(A)B) or P(A)B) = P(A)B) Conditional Probability P(B|A) + P(A) = P(A nB) Multiplication Rule P(BIA) = P(AIB) * P(B) Bayes Theorem Total Probability Rule P(A) = P(AnB) + P(AnB') = P(A1B).P(B) + P(A|B').P(B') Independence A and B are independent if ex. coin flip P(AIB) = P(A) "if two events are notally exclusive, they are not independent · Venn Diagrams · Tree diagram problems Here problems Sex us. I OCT tab AX 1. Tree diagrams AX Sex and Morovirus 2. Ven diagram 3. Tables (2 way) HIV+ and Tests 4. Raw equations