ST/02 Week 4 Fact: the cases with evenly-distributed probabilities: $P(A) = \frac{\#A}{\#all}$ Important: compute by complement $P(A) = 1 - P(A^{c})$ Why bother ? Maybe P(AC) easier to know Comments. n people choosing 2n seats: How to get the number (n-1) in the above? How do we make sure all cases are considered? New approach : " space inserting" Q1. Do we need ordering? Tes & No, since cancelled in fractional Q2. What is the bottom line? XOXOX ···· OX n*"x" & (n-1)* "0" (03 How to insert the last chair ? n+1 spaces to choose from (C) Tao Ma All Rights Reserved