Let x be the steps in right directions and Y be the steps in left direction and x, is the position after N steps. So x+y=x. So for x, x is unique and if two drunkmen has same x, so they will have same X. X value whanges from O Probability of drunk man to seach x, in N steps = NCX Probability of two drunk men to reach \times , in $MS + eps = \frac{2}{2^{11}}$ Total probability = \frac{N}{x=0} \left(\frac{NCx}{2^n} \right)^2 = 1 (NCO+NC, -1 -+ NCM) 27CN 4N