Slotted Alohor MANA 11 115 1- 1- 1 1 N nodes Pr(n nodes collide for a consecutive of M slots)

II Pr(n nodes collide in ith slot)

i=1 $= \prod_{\lambda=1}^{n} \left[- \Pr(n_0 \text{ Collision}) \right] = \left[1 - \Pr(1-p)^{n-1} \right]^{N}$ $= \lambda = 1 \quad \text{in s(at it)}$ Prob of no collision Marx it? MTRJ Given N Stations in a collision, what is the probability that no collision happens for Yestansmission for a particular Station? Prob = Pr (no other station Choose the same K) $= \left[\frac{1}{2^{m}} \left(1 - \frac{1}{2^{m}}\right)^{N-1}\right] \times 2^{m} = \left(1 - \frac{1}{2^{m}}\right)^{N+1}$ if m is big, Prob is small.
N is big, Rol is bright bir time: $\frac{1}{10^{10^6}} \times 10^{23} \times 512 = \frac{5 \times 10^{5}}{10^{7}} = 0.05 \text{ s}$

$$\frac{\sqrt{s}=3}{11010001} \frac{101^{R}}{1010001000} = D \cdot 2^{T}$$

$$\frac{D}{R} = \frac{101000000101 \times 0R}{1010001101} \times R$$

$$\frac{D}{R} = \frac{D}{R} \times 0R R$$

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