



NTT EX2022 MediaTek v. NTT IPR2020-1404























	Pros:
	> Single active node can continuously transmit at full rate
	Highly decentralized and simple
	Cons:
	Collisions, wasting slots
	 Nodes must be able to detect collision in less than time to transmit packet
	Clock synchronization needed
	Efficiency:
	Suppose N nodes, each transmits in slot with prob p
	■ prob that node 1 has success in a slot = p(1-p) ^{N-1}
	prob that any node has a success = Np(1-p) ^{N-1}
	For max efficiency with N nodes, find p that maximizes Np(1-p) ^{N-1}
	For large N, take limit of Np*(1-p*) ^{N-1} as N → ∞, gives 1/e = .37























