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1	
	Tillo: Toomamont taken king hasod courtual
	Title: Implement token ring based routur
	exclusion algorithm
	Theory:
	Theory :
Ų	What is taken ting algorithm to achieve
	mutual exclusion?
$\longrightarrow$	+ Token Based Algarithm:
3	· A unique taken is shared among all the sites
	· It a site possesses the unique token, it is
,	allowed to enter its critical section
	· This approach uses sequence humber to
	Order requests for the Critical section.
,	· Each requests for critical section contains a
	sequence number. This sequence number
	is used to distinguish ald of current
	requests.
	· This approach insures Mutual exclusion
	as the taken is unique.
3)	1,00
	with a token king network?
$\rightarrow$	Stations in a taken-ring network are
	physically connected, typically in a star-
	physically connected, typically in a star- wired ring topology.
3)	July did taken ring Fail?
$\rightarrow$	. The taken ring topology was one widely
	· The taken ring topology was one widery used on LANS in the 1980s ( 1890s.
	· However, it was amost entirely displaced

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	by Ethernet, due to Ethernet's lower cost.  At the time, cabling for taken ring networks  cost much more than Ethernet (0+3) cottse  cables.
	· Taken ling network cards of parts were also expensive.
(J)	what type of bridge is used for token ring betworks?
<u>,</u>	Source - route Bridge is one type of technique used for token ring networks designed by IBM
5)	which agarithm is best for mutual exclusion. There are several algorithms that can achieve mutual exclusion, & the best algorithm depends on the specific context & requirements of the system.
<b>9</b>	· Cammon algarithms For mutual exclusion  1) peterso his algarithm  2) suzuki - k asami's Brod cast Algarithm  3) Lampart's algarithm  4) Ricart - Agrawala algarithm
	· However, one of the most widery used comportis  Distributed Mutual Exclusion Algorithm.
6] →	What is the size of taken in ring topology?  Size of taken = 24 bits