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♦ C	ircuit switching
	Telephone system
۹N	lessage switching
	Mail delivery
	The message travels as a complete unit. At any
	one time, it completely exists in one place.
۰P	acket switching
	The Internet

























Two Fundamental Routing Algorithms	
 Link state routing A global algorithm Distance vector routing (or Bellman- Ford routing, Ford-Fulkerson routing) A decentralized algorithm 	
 The original ARPANET routing algorithm, replaced by LS routing in 1979 	

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	y Algorithin
Dijkstra's algorithm	
Net topology, link costs nodes	s known to all
 accomplished via "link s all nodes have the same 	tate broadcast" e info
computes least cost pa source to all other node	ths from the es
Iterative algorithm	

























Distance Table: An	E	ха	mp	ble	
	D	E ()	st to c	lestina B	tion via D
		A	1	14	5
	ation	в	7	8	(5)
$D(C,D) = c(E,D) + \min_{W} \{D(C,W)\}$ = 2+2 = 4	destina	С	6	9	4
$D^{L}(A,D) = c(E,D) + \min_{W} \{D^{D}(A,w)\}$ = 2+3 = 5 loop!		D	4	11	2
$D^{E}(A,B) = c(E,B) + \min_{w} \{D^{B}(A,w)\}$ = 8+6 = 14 loop!					
					19

