









Link state algorithm
 Link cost of all links is broadcast to all nodes Dijkstra's algorithm to find shortest path to all nodes Each node calculates its own tree Notation: D(v) is least cost to v in current iteration p(v) is previous node along least cost path N' is subset of nodes with guaranteed least cost paths Algorithm Initialization: N'={u} For all nodes v: if neighbor of u then D(v)=c(u,v), else D(v)=∞ Loop until N'=N: Find w∉N' with minimum D(w) and add w to N' For each neighbor v of w (v∉N'): D(v)=min(D(v),D(w)+c(w,v))
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