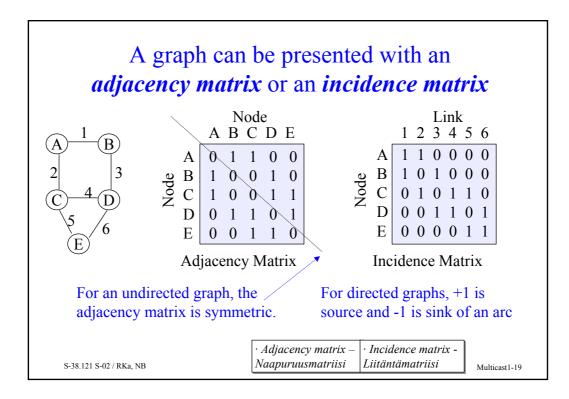


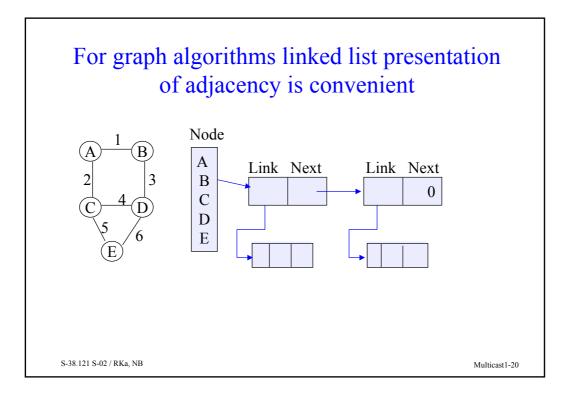
- A minimal set of nodes whose removal partitions the remaining nodes into two connected subgraphs is called a *cut*.
 - Disconnecting set erotusjoukko
 Cut – leikkaus
 XY-cutset - XYleikkausjoukko

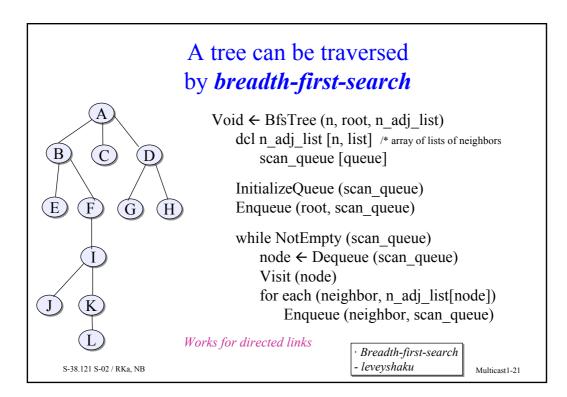
Multicast1-17

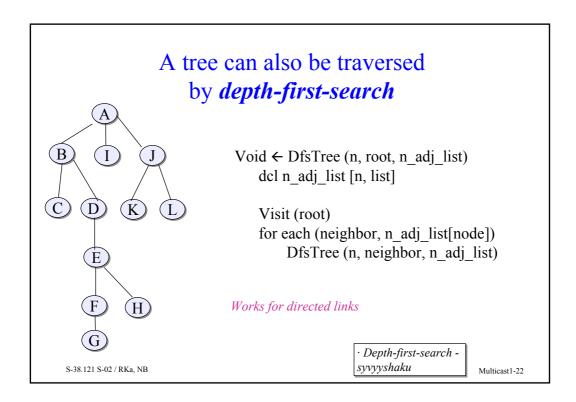
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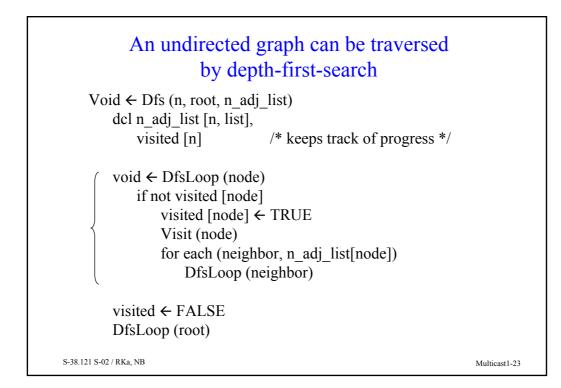
	Suomalais	ci graame	
Vertex, node Edge, link	- kärki,solmu - syrjä, linkki, sivu,	Connected	- yhteydellinen, yhdistetty
Euge, min	kaari, haara	Strongly	5
Adjacent	- viereinen	connected	d
Neighbor	- naapuri	Subgraph	- aligraafi
Degree of	- solmun aste(?)	Tree	- puu
a node		Spanning tree - virittäjäpuu	
Arc	- kaari	Forest	- metsä
Cycle, Loop	- silmukka	Disconnecting - erotusjoukko	
Path	- polku	set	
Directed path	- suunnattu polku	Cut	- leikkaus
	Ĩ	XY-cutset	- XY-leikkaus-
			joukko

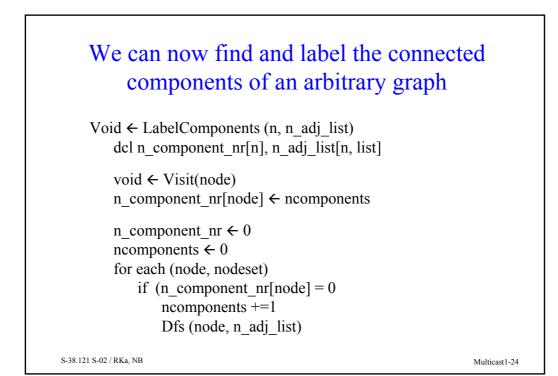












Minimum spanning tree (MST) is the spanning tree with minimum cost

- We assign a length to each edge of the graph. "Length" can be distance, cost, a measure of delay or reliability.
- We look for minimum total length/cost, thus we talk about MST.
- If the graph is not connected, we may look for a minimum spanning forest.

n = c + e

where *n* is the number of nodes, *c* the number of components and *e* number of edges selected so far holds always.

Multicast1-25

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