HKUSTx: ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)

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4.1 Routing

4.2 Routing: Distance Vector Algorithm
Week 2 Quiz due Feb 01, 2016 at 15:30 UTC ✎

4.3 Routing: Routing Link State Algorithm

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4.4 QUIZ QUESTION 1 (1 point possible)

Which of the following is/are true?

☑ The HELLO protocol is only used by the distance vector, but not by the link state algorithm

☑ Advertisements received by a node are not re-sent to other nodes in the distance vector algorithm, but they are re-sent in the link-state routing. ✔

☑ The distance vector algorithm integrates the advertisements it receives to construct an estimate of the complete graph of the entire network.

☑ Fewer messages are passed between neighbors with the distance vector algorithm than the link state algorithm. ✔

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EXPLANATION

Week 2 Quiz due Feb 01, 2016 at 15:30 UTC　✎

4.4 Summary of Routing Algorithms
Week 2 Quiz due Feb 01, 2016 at 15:30 UTC　✎

4.5 Lab 2: Network Layer
Lab due Feb 01, 2016 at 15:30 UTC　✎

▸　MATLAB download and tutorials

The HELLO protocol is used by both routing algorithms. The distance vector algorithm does not construct a complete graph of the network. It only knows the cost to each node, but not the path taken.

You have used 2 of 2 submissions

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