Deadlock & Paper Discussions

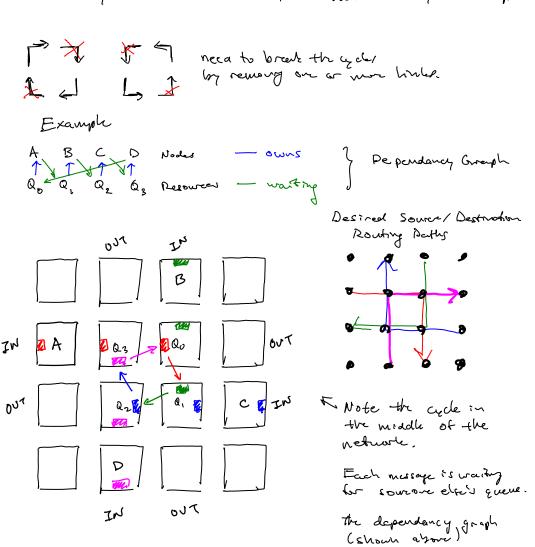
Tuesday, February 23, 2010 10:23

Deadlock

>cyclical despendency of queue waitry

>unable to make forward progress

- -> we can use virtual channel to help, but only if we restrict there usage and leave them your to help we deadlish
- -s diwension-order routing is cloudlock-free, but uneexisarily restricted in its router
- so we can use the "Turn Made" to prevent deadlock, instead, which only removes the necessary links that the way more complicated



shows a cydral

3 Deardlock

dependancy

OITURN Routing

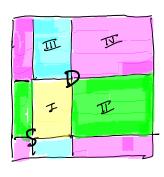
- -) OITURN is similar to Roman and DOR
 - more Hexible than DOR
 - less flexible than Roma
 - -> They are better in worst case
- -> OITURN makes sense
 - -> Dassed the intuition test
 - → If it's intuitie, the analystis should confirm your intuition TH not, it had better be really convincing
 - > Just use: +! Unless you can't deal with out of man percent delivery. > due to part diverity, etc.
 - 3 But
 - -> How often does the worst case happen?
 -> Is that the best metric?

 - > They make a big deal about this, but what they should say is they are competetion with Romer in the average case, with simply router, and befor worsh-case performance.
- -> OITURN Router Implementation
 - -> Use UC's to get deadlock-free behavior like DOR

GOAL Routing Algorithm

- The bally Oblinous Adaptu Locally

- Wour minimal rout for tous vetwer.



We know Sower & Destruction, which driver the 2-dimension torus mbo 4 quadrate Weighted - vandon choose a quadrant and route moundly in that guadoant.

-> Accreased throughput sometimes, as the randomness introduced contention. -) plus its non minimal