## CS184b: **Computer Architecture** (Abstractions and Optimizations)

Day 20: May 23, 2003 Interconnect



Caltech CS184 Spring2003 -- DeHon











Bus Routing		
<ul> <li>Offline:         <ul> <li>divide time into N slots</li> <li>assign positions to various communications</li> <li>run modulo N w/ each consumer/producer send/receiving on time slot</li> </ul> </li> </ul>	<ul> <li>e.g.</li> <li>1: A-&gt;B</li> <li>2: C-&gt;D</li> <li>3: A-&gt;C</li> <li>4: A-&gt;B</li> <li>5: C-&gt;B</li> <li>6: D-&gt;A</li> <li>7: D-&gt;B</li> <li>8: A-&gt;D</li> </ul>	
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