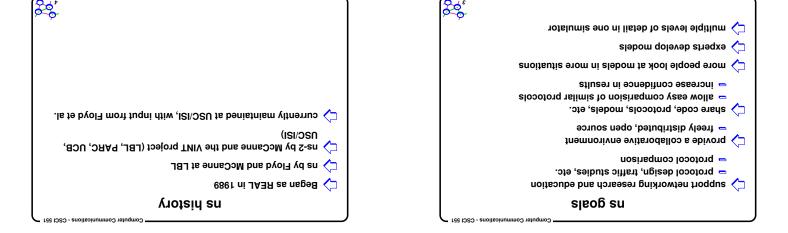


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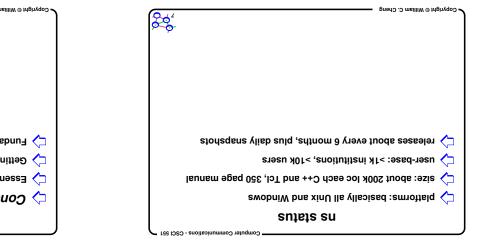


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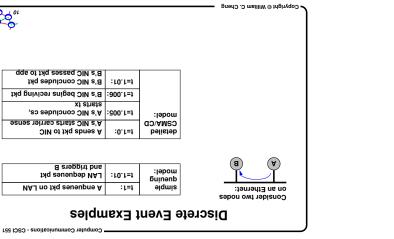
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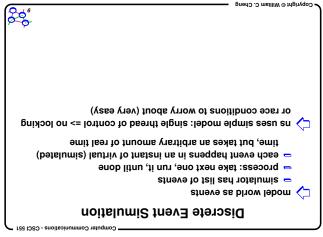
Copyright © William C. Cheng	Copyright @ William C. Chang
<ul> <li>Traffic models and applications:</li> <li>web, FTP, telnet, constant-bit rate, Real Audio</li> <li>web, FTP, telnet, constant-bit rate, Real Audio</li> <li>Transport protocols:</li> <li>multicast: SRM</li> <li>multicast: SRD</li> <li>multicast: TCP (Reno, Vegas, etc.), UDP</li> <li>multicast: SRD</li> <li>multicastint</li> <li>multicasticasticasticasticastint</li> <l< td=""><td><ul> <li>ns, the simulator itself</li> <li>nam, the Network AniMator</li> <li>visualize ns (or other) output</li> <li>Ul input simple ns scenarios</li> <li>pre-processing:</li> <li>traffic and topology generators</li> <li>post-processing:</li> <li>simple trace analysis, otten in Awk, Perl, or Tcl</li> </ul></td></l<></ul>	<ul> <li>ns, the simulator itself</li> <li>nam, the Network AniMator</li> <li>visualize ns (or other) output</li> <li>Ul input simple ns scenarios</li> <li>pre-processing:</li> <li>traffic and topology generators</li> <li>post-processing:</li> <li>simple trace analysis, otten in Awk, Perl, or Tcl</li> </ul>
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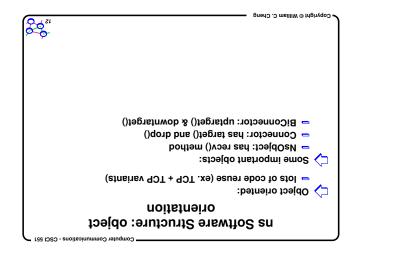


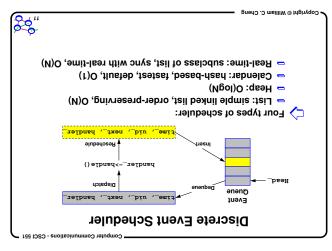
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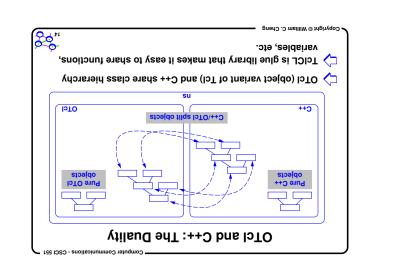
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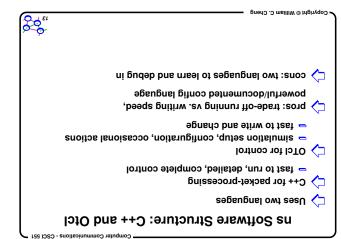




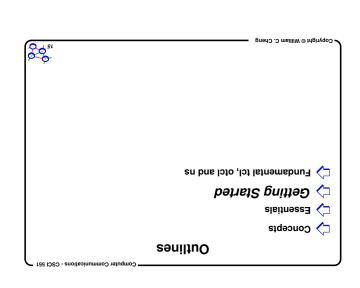


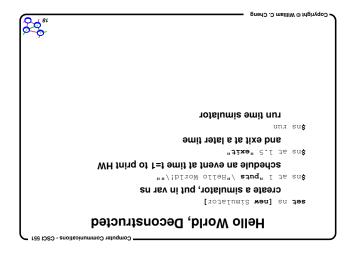


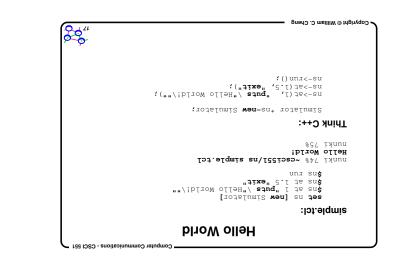


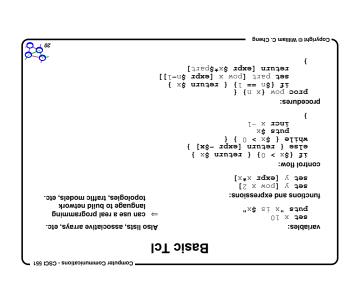


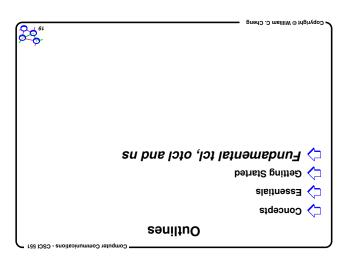


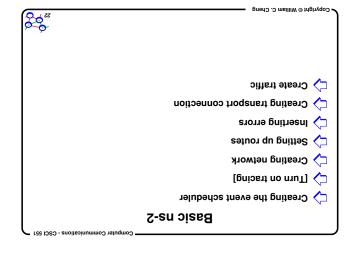


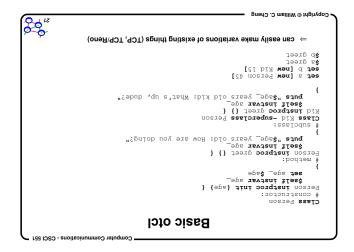




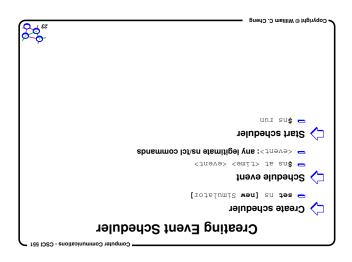


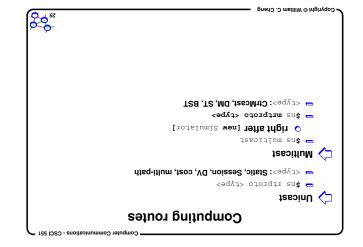


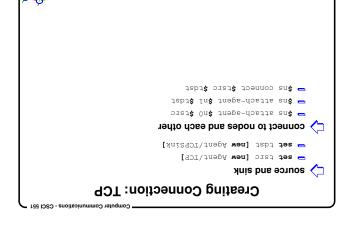












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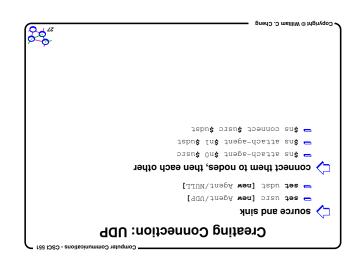
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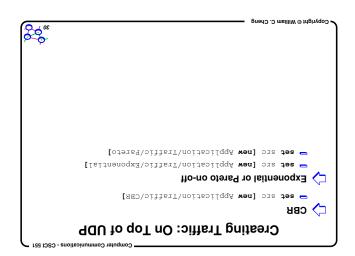
cy aimple two layers: transport and app

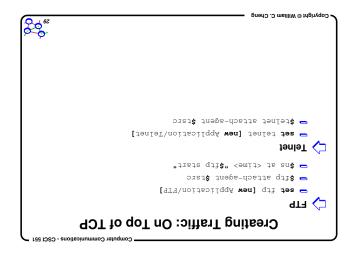
Traffic

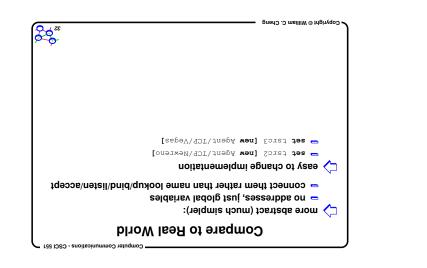
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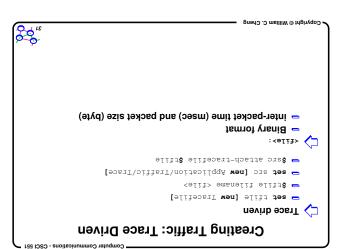
TCP, UDP, etc.

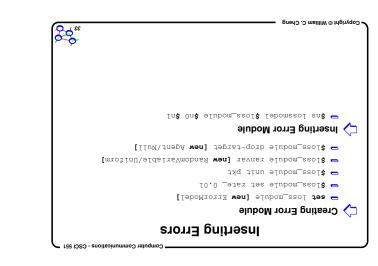


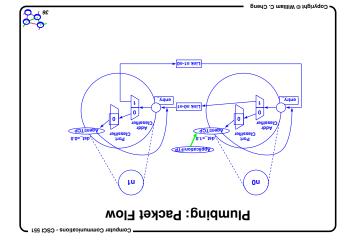












and e for error

Trace packets on all links in nam-1 format [ open test.nam w]

[w juo.jsej neqo] [la\_est.out w]

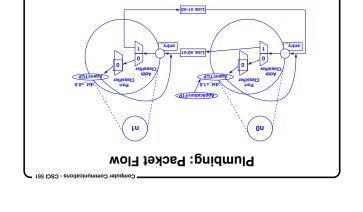
Trace packets on all links into test.out

x 1.00234 0 2 cbr 210 ------ 0 0.0 3.1 0 0 + 1 0 2 cbr 210 ------ 0 0.0 3.1 0 0

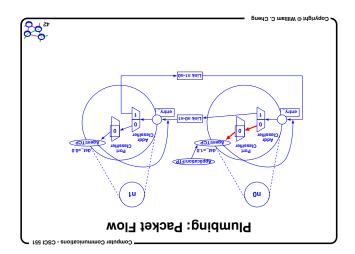
 $\rightarrow$  <event> can be + for enqueue, – for dequeue, r for receive, d for drop,

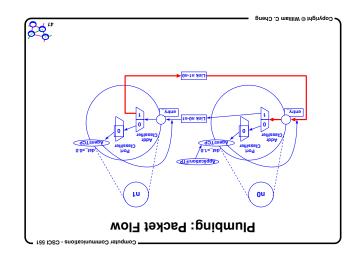
**D**racing

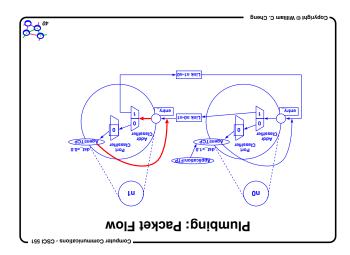
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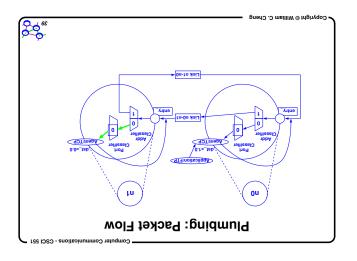


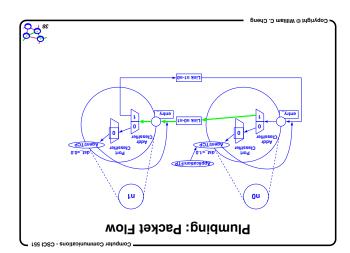
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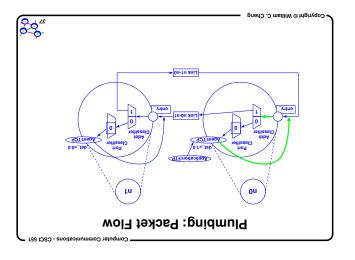


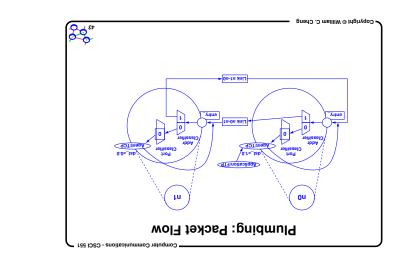


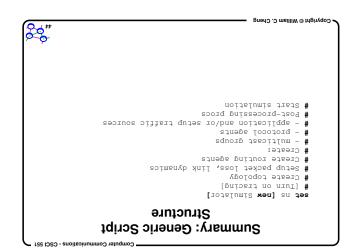


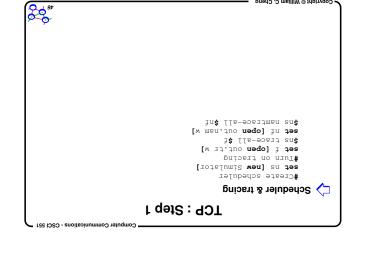




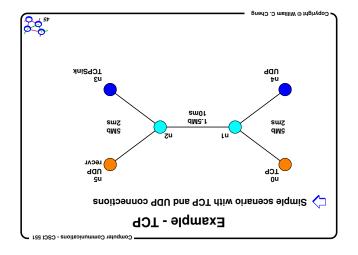


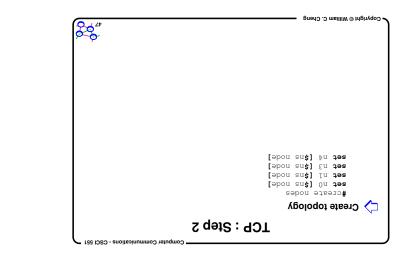




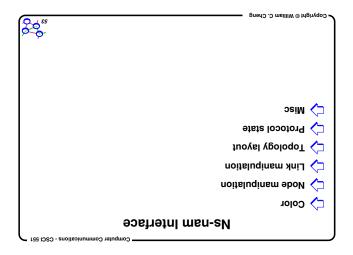


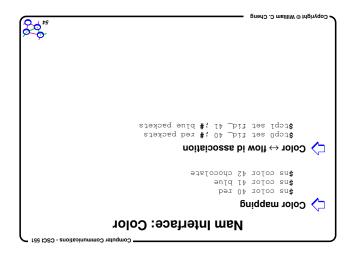
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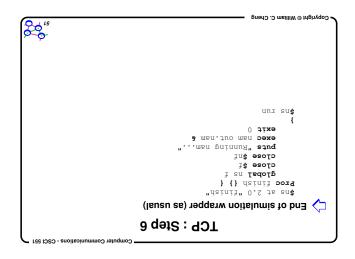




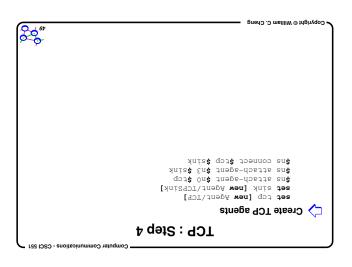
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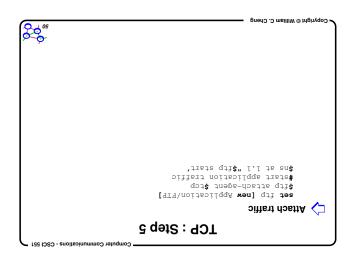


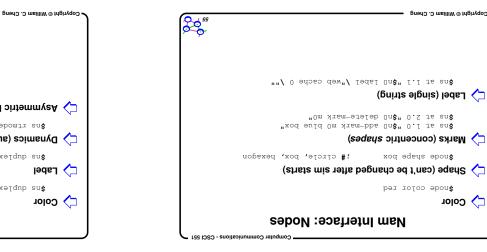


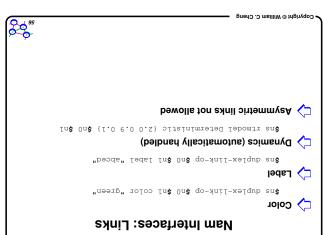






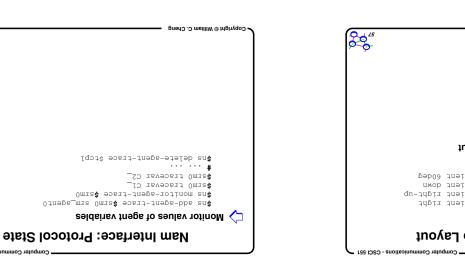


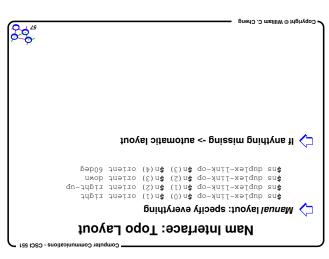


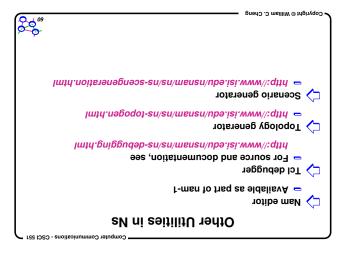


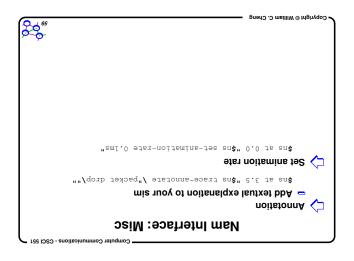
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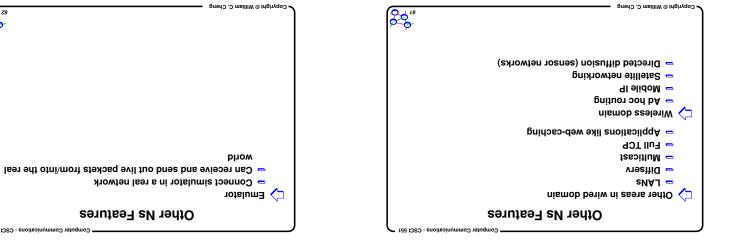
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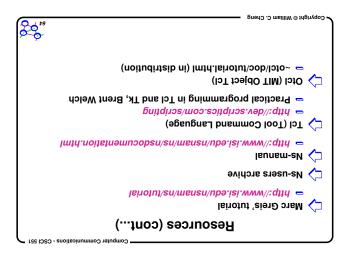












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