CN-SIM: A Common Bridge Model
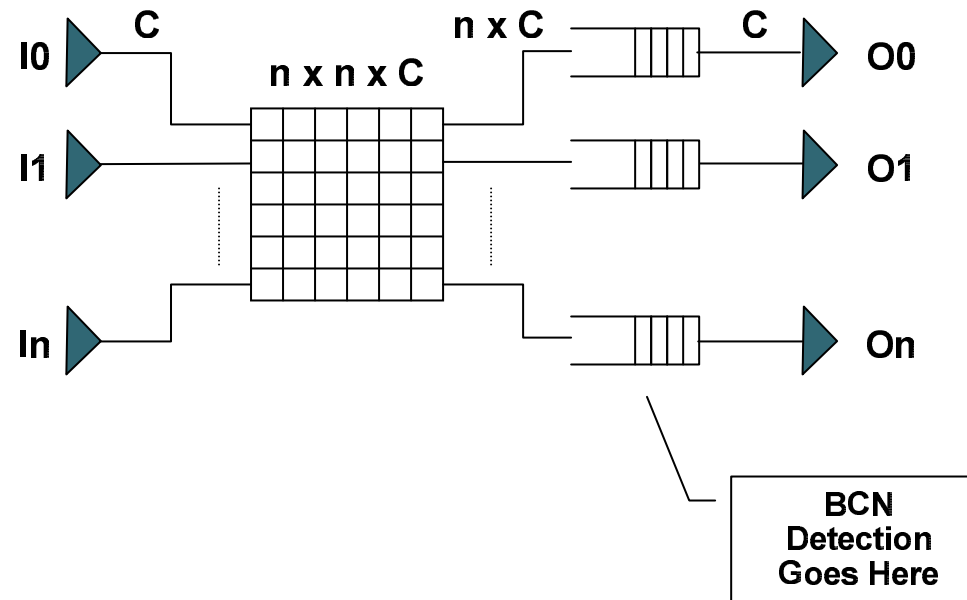
Davide Bergamasco (davide@cisco.com)

August 2nd, 2006

Why a common bridge model?

- **Our goal is to run independent simulations to validate BCN**

- **So far we have defined a set of common**

  - **Topologies**

  - **Traffic Patterns**

  - **Metrics**

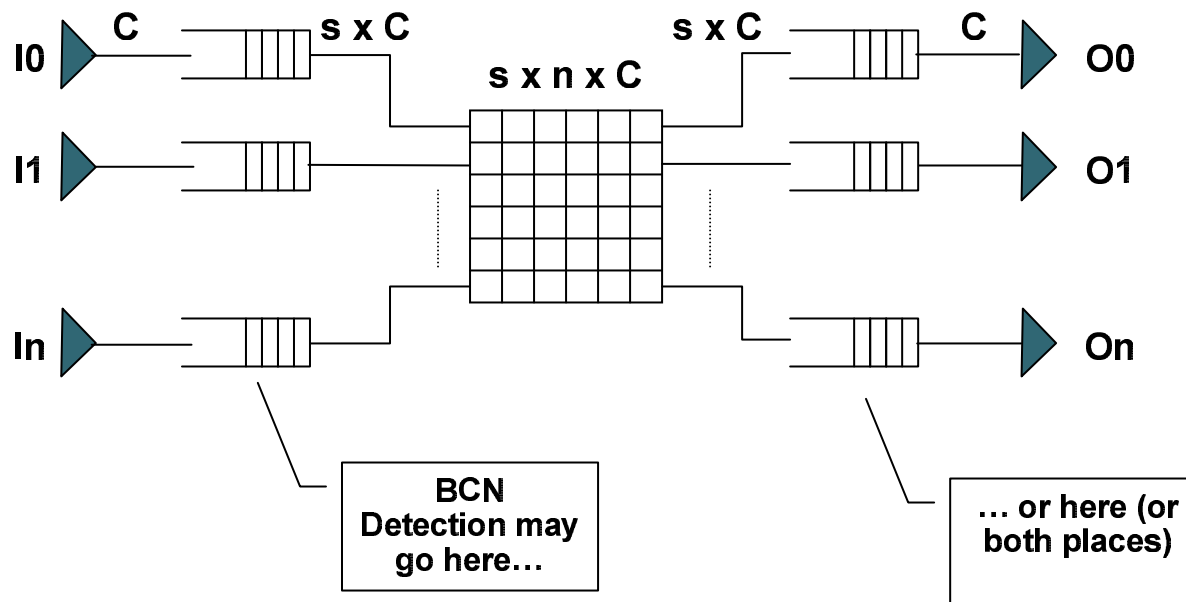- **But to ensure comparability of results, we also need a common bridge model**

Possible Bridge Models
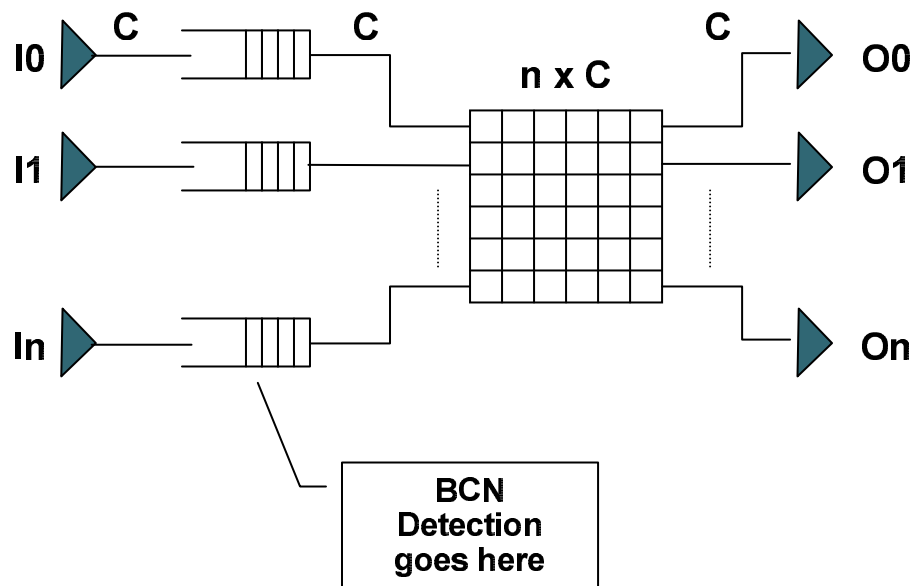
- **Output Queued Bridge (as defined by 802.1)**

Possible Bridge Models

- **Combined Input-Output Queued Bridge (CIOQ)**

Possible Bridge Models

- **Input Queued Bridge (probably not interesting…)**

I0   C   C   n x C   C   O0

I1   O1

In   On

BCN Detection goes here

Possible Bridge Models

- **Other models?**

  - **Parallel Packet Switch**

  - **Modular**

  - **etc…**