packets arrive
packets leave
PHYSICAL INTERFACE
Ingress Processing
• Error detection and security verification
• Classification or demultiplexing
• Traffic measurement and policing
• Address lookup and packet forwarding
• Header modification and transport splicing
• Reassembly or flow termination
• Forwarding, queueing, and scheduling
Egress Processing
• Addition of error detection codes
• Address lookup and packet forwarding
• Segmentation or fragmentation
• Traffic shaping
• Timing, scheduling, queueing, and buffering
• Header modification
• Output security Processing
FABRIC