

# CS3200: Computer Networks

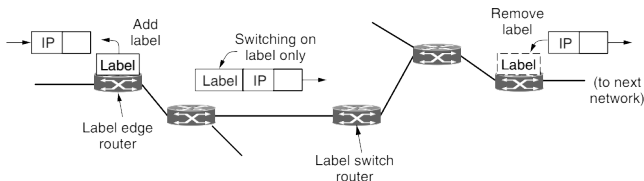
## Lecture 24

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# Label Switching and MPLS

- Till now, we have focused exclusively on packets as datagrams that are forwarded by IP routers.
- **MPLS (MultiProtocol Label Switching)** allows for quick forwarding, but is perilously close to circuit switching in a way that is full of danger or r
- MPLS adds a label in front of each packet, and forwarding is based on the label rather than on the destination address.
- Making the label an index into an internal table makes finding the correct output line just a matter of table lookup.



# OSPF — An Interior Gateway Protocol

- Read Section 5.6.6 of Tanenbaum.

# BGP — An Exterior Gateway Routing Protocol

- Read Section 5.6.7 of Tanenbaum.