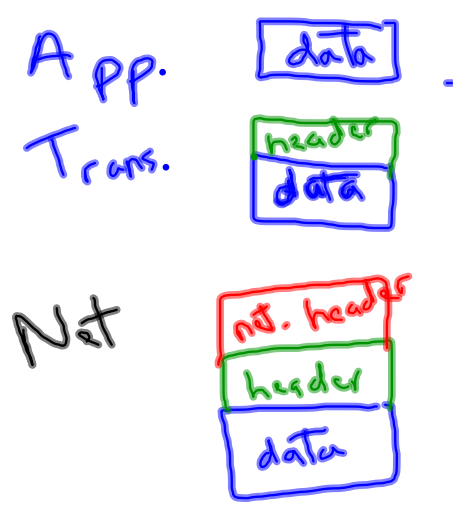
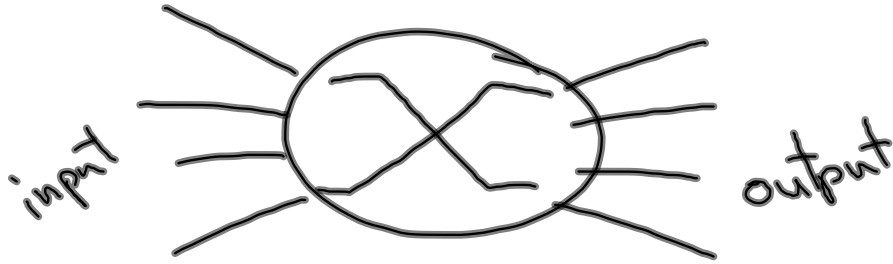


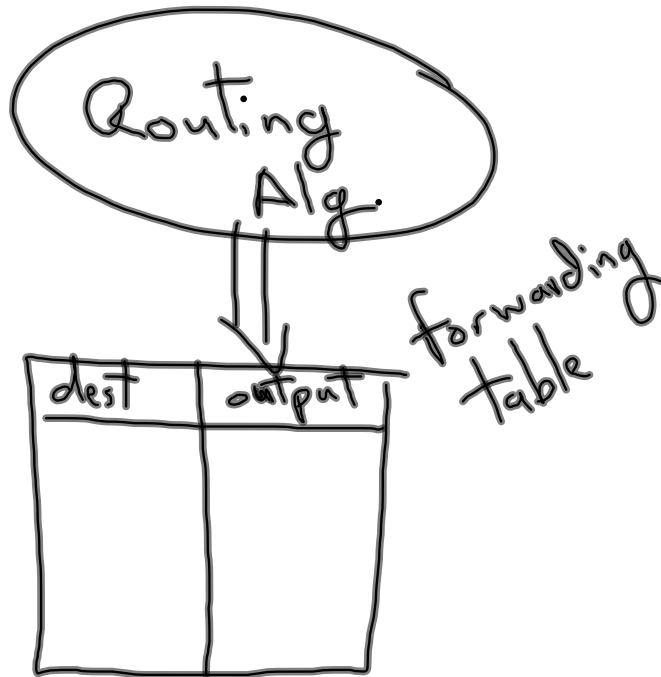
Network Layer



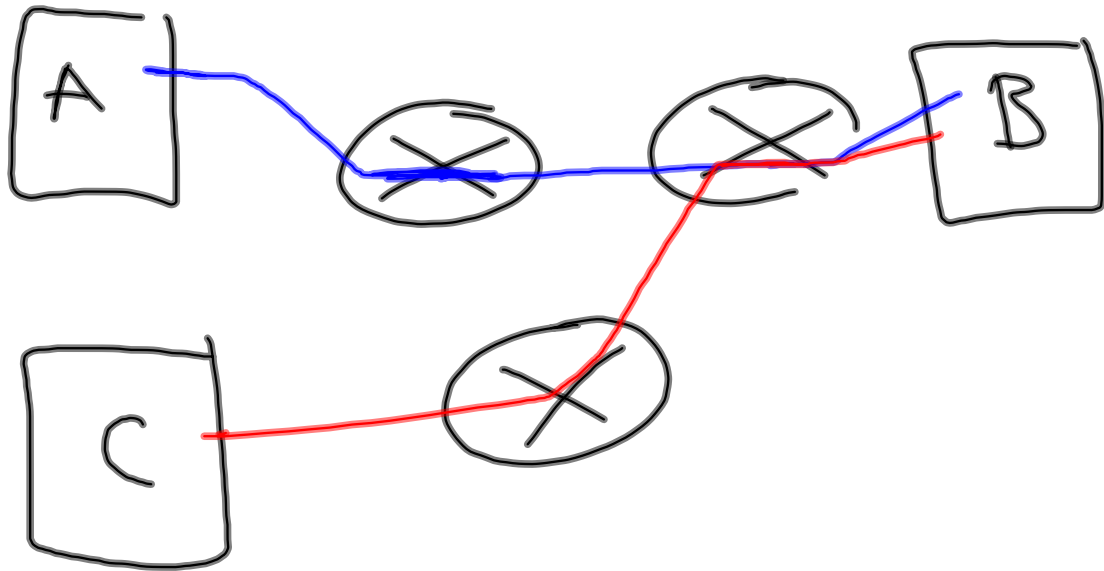
Router



Routing - determine path to dest.
Forwarding - determine which output



ATM - virtual circuit
- connection setup



services

- guaranteed delivery
- timing
- in-order
- bandwidth
- interpacket spacing (jitter)

Internet
-best effort

V.C.

- connections

- path src to dest

- V.C numbers w/
each link

- router forwarding tables

Forward

input	Incoming VC#	output	Outgoing VC#

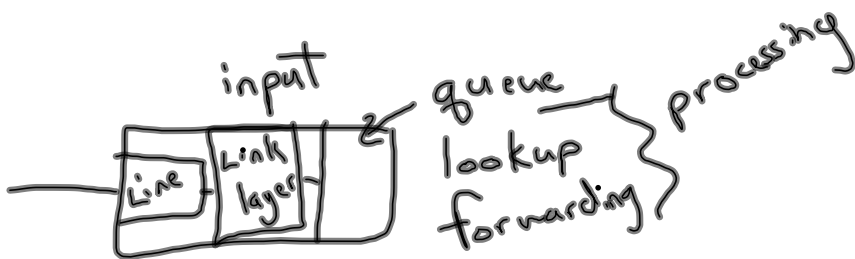
Packet switch

Dest.	Link
101101.....10	
101110.....00	1
	2
	3
otherwise	4

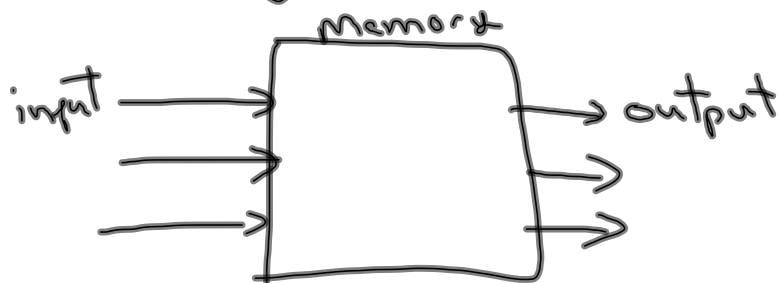
dest prefix	link
11001000 0001011 00010**	0
11001000 0001011 000 <u>1000</u> **	1
11001000 0001011 0001**	2
otherwise	3

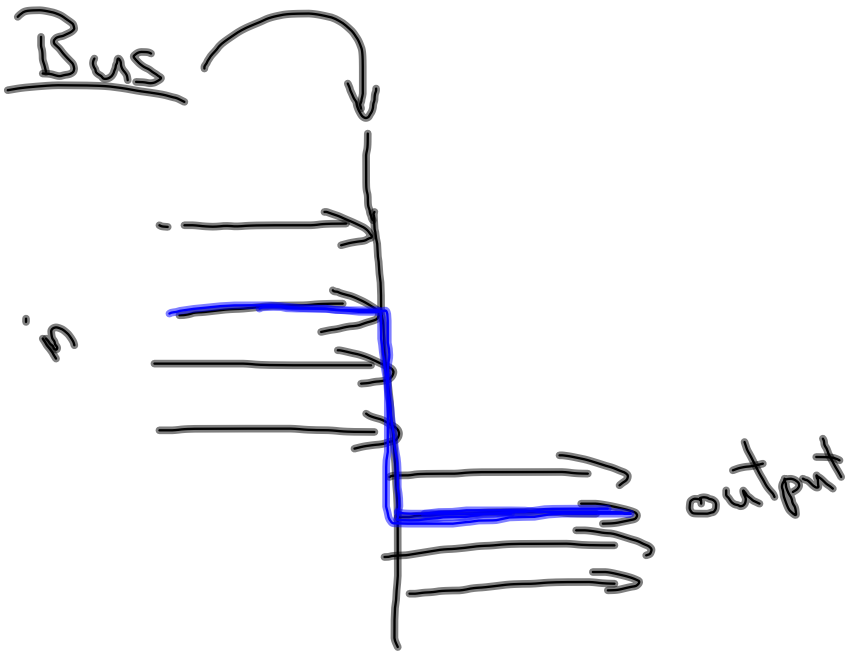
11001000 0001011 0001000 10110110

Router Arch.



switching





Interconnection network

