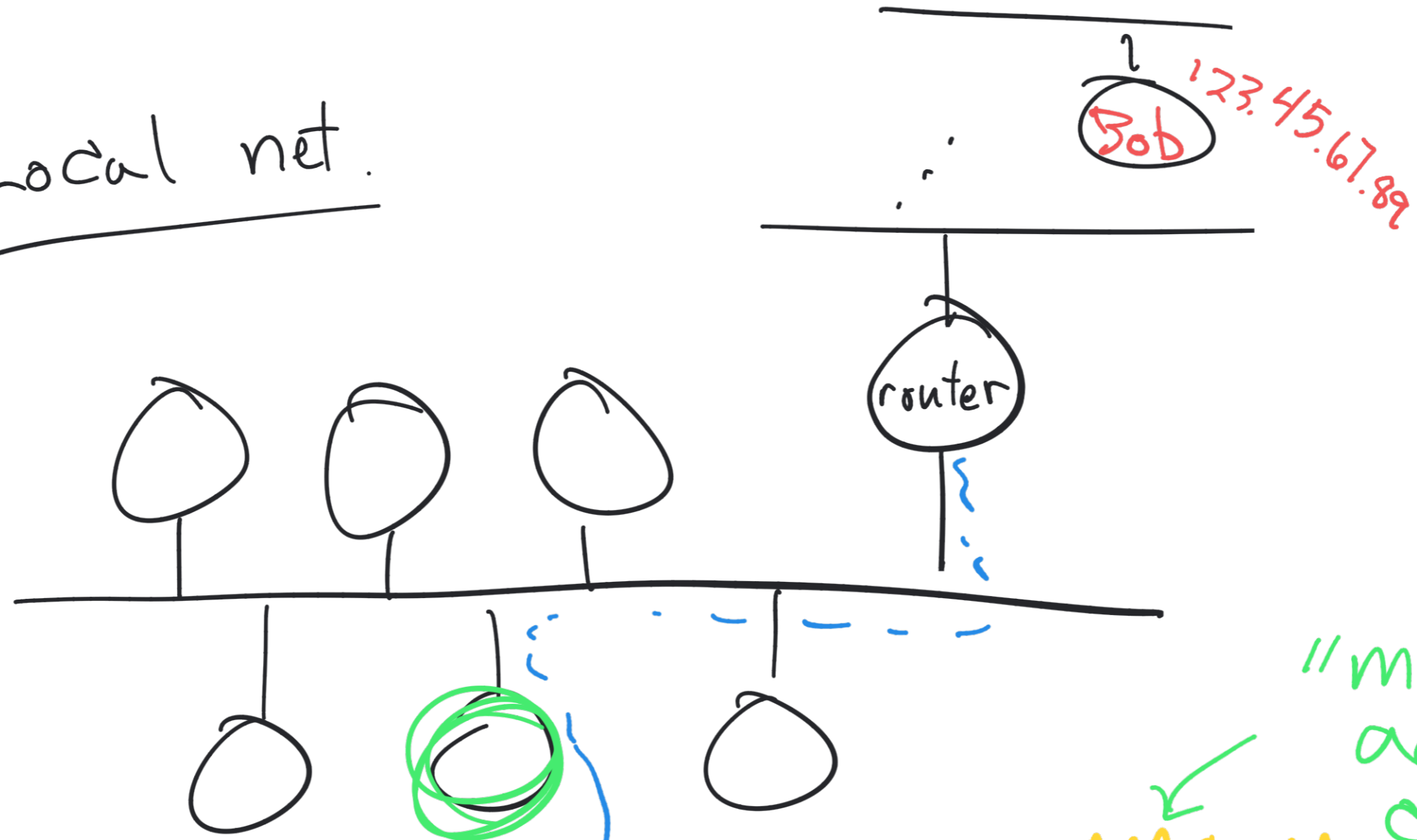


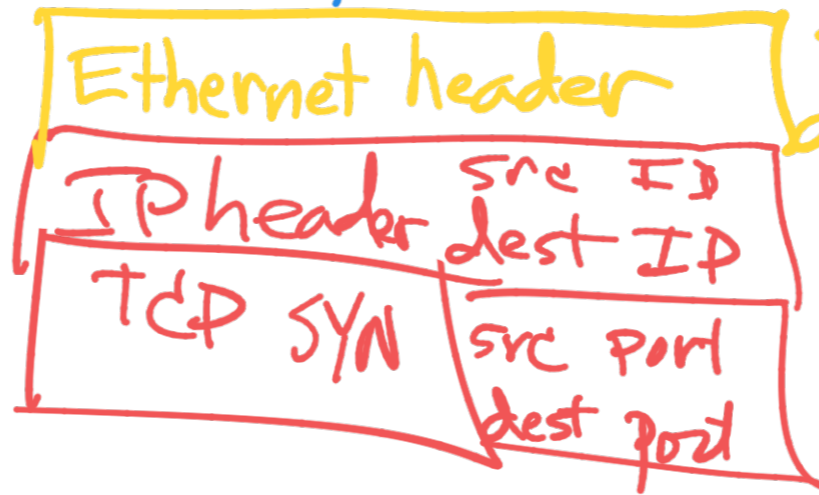
CS 338

Fri, 27 Oct 2023

Local net.



"medium access control"



src MAC addr
dest MAC addr

Need

- Translate domain name to IP address DNS
- Translate IP addr into next-hop MAC address ARP Address Resolution Protocol

Two data structures

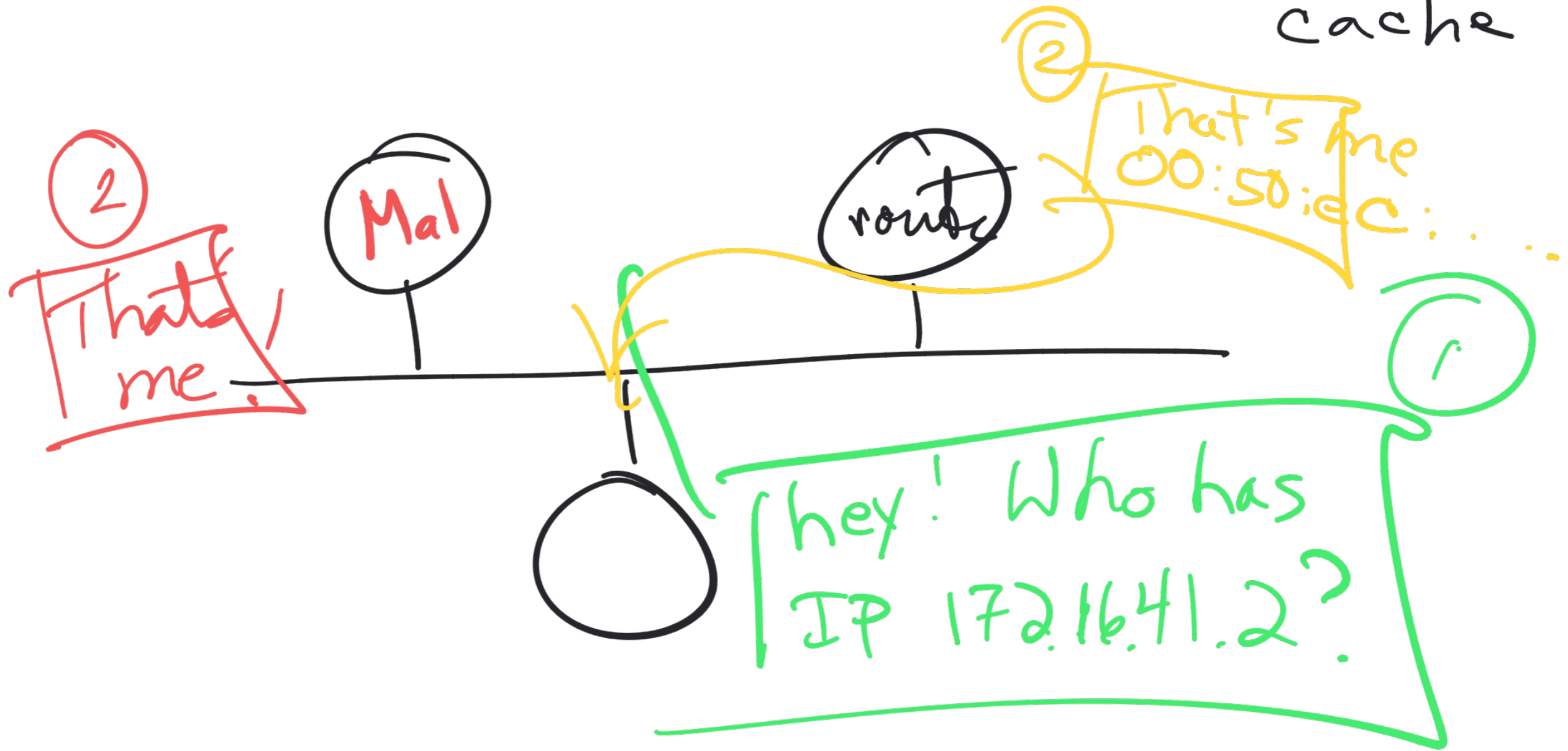
① Routing table

given an IP address dest.
which local IP should I
hand it to

② ARP cache

Given a local IP, which
MAC addr. does that machine
have?

Pretend 172.16.41.2 is my local next hop but is not in my ARP cache



Day 1: I go to carleton.edu
I save some cookies

Day 2: I go to carleton.edu
I send the saved cookies
with my request.

more to come....