

Best-effort delivery

Dynamic host control protocol

DHCP

Inet Packet

DNS

hostname: illinois.edu

Domain Name System

From: IPAddr TO: .. header

message



← please?

→ how about this address?

← ok

← ok

→ DNS server I know

← list of Top-level DNS Servers

edu. → this DNS S

← list of Edu DNS Servers

illino.edu

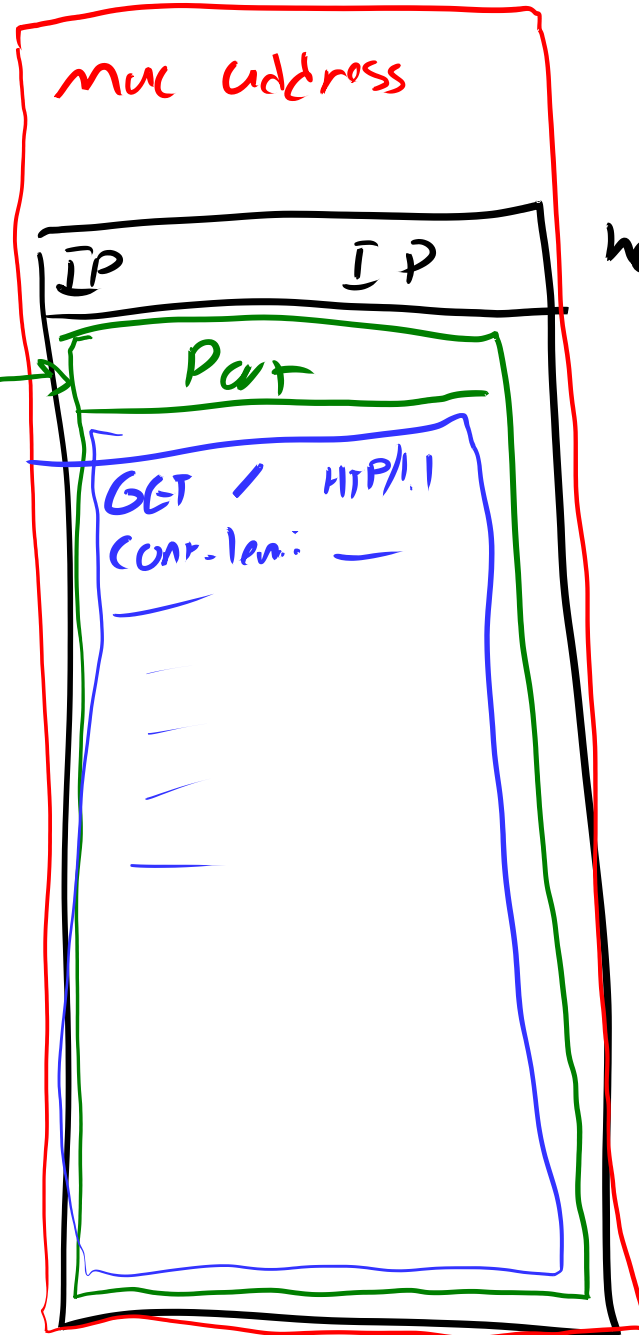
←

WiFi Packet

UDP - Port only - Fast
- Best-effort

TCP - reliable, full msg

TCP/IP



IP:

Best-effort

connects

computers

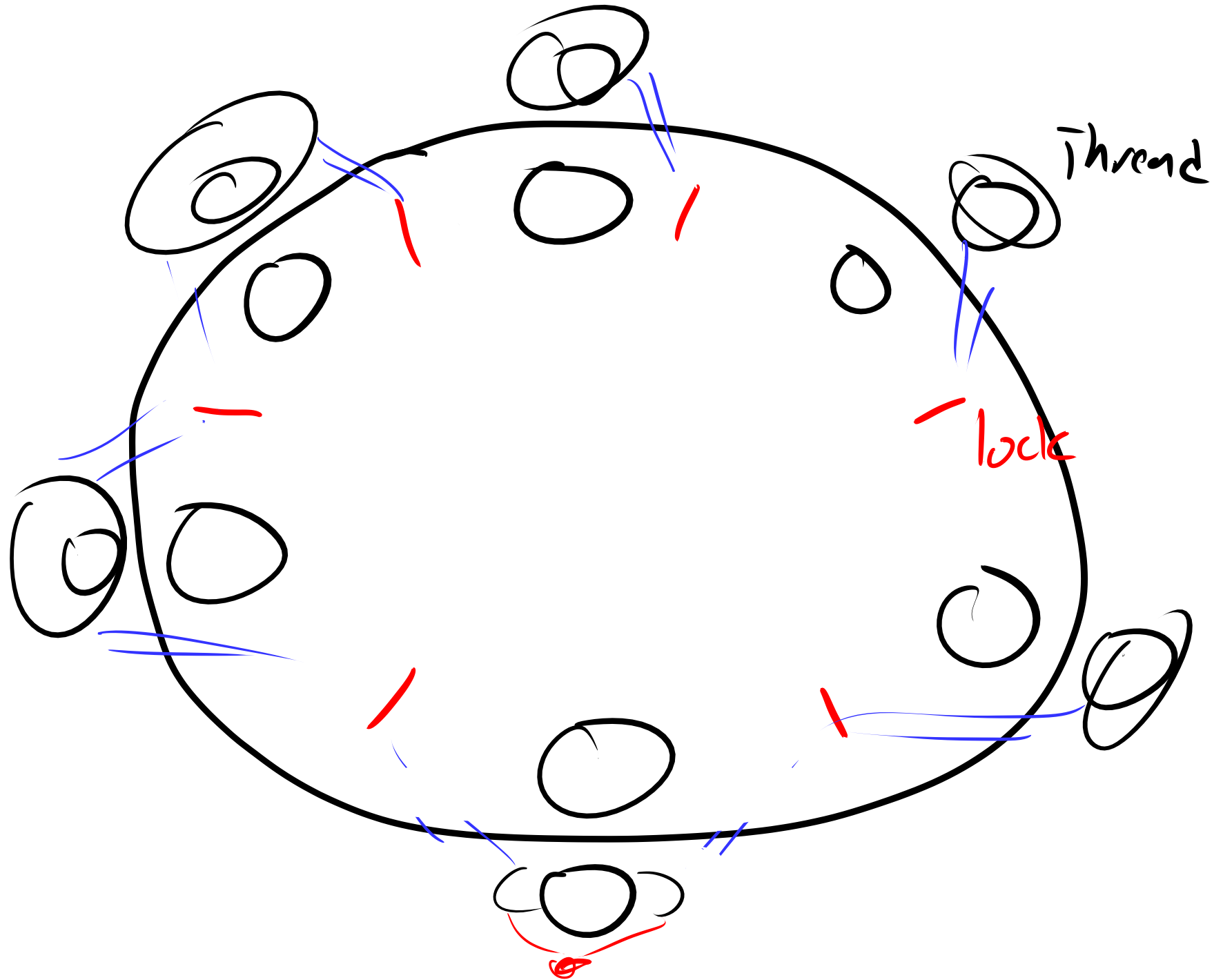
TCP:

Reliable

connects,

app

Dining Philosophers



lock



held



thread



wanted for



User thread



tester thread

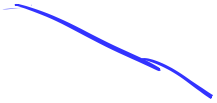


- 1. write
- 2. wait
- 3. close

write



read



wait for User thread read

nothing left

read



(wait

