DOCSIS
-data over cable service
-interface specification

- divide into down/up stream
  channels (FDM)

- upstream
  - make a request to send
    (only in some time slots)
  - cable service replies w/ available time slots
    (TDM)
  - request collision - backoff
Link layer address (MAC addr)
- 48 bits
  2F-12-AB-3E-56-FO
- each NIC has unique MAC addr.
- First 24 bits represent manufacturer of NIC
ARP: address resolution protocol
A sends to B
Broadcast

FF-FF-FF-FF-FF-FF-FF