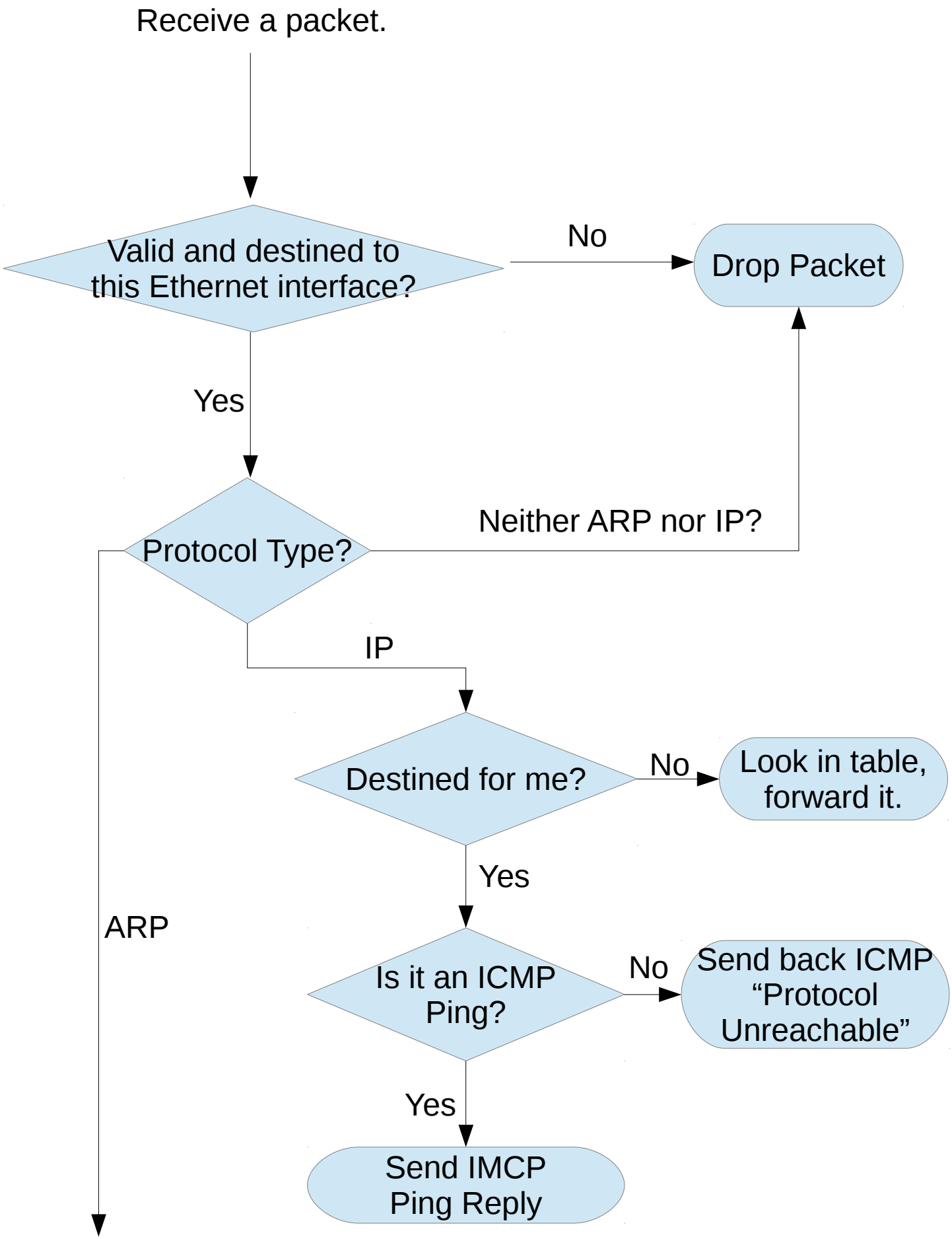
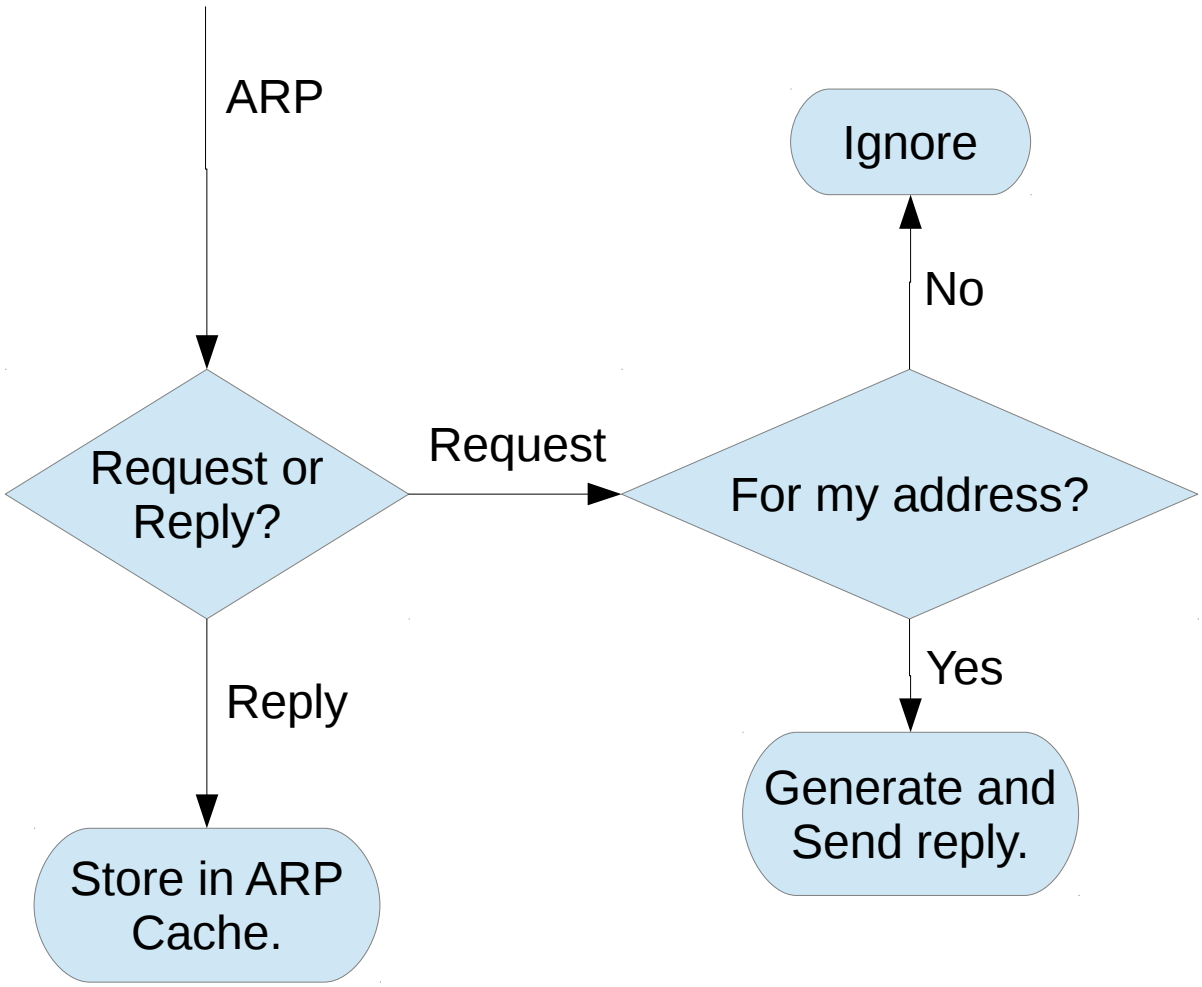

Receive a packet.
Valid and destined to this Ethernet interface?
No
Drop Packet
Yes
Protocol Type?
Neither ARP nor IP?
IP
ARP
Destined for me?
No
Look in table, forward it.
Yes
Is it an ICMP Ping?
No
Send back ICMP "Protocol Unreachable"
Yes
Send IMCP Ping Reply


ARP
Request or Reply?
Request
For my address?
No
Ignore
Yes
Generate and Send reply.
Reply
Store in ARP Cache.