

Network Layer

Longest prefix matching	IP Range	Link
	192.168.1.*	0
	15.*.*.*	1
IP mask <u>192.168.0.32/24 bits</u> otherwise		2

CIDR → Classless Inter Domain Routing

subnet → can communicate without intervening router

DHCP → discover msg → request
 → offer → ACK

ICANN → Internet Corporation for Assigned Names and Numbers

NAT → WAN	LAN
IP, port	IP, port

ICMP →	Type	Code	
	0	0] echo, ping
	11	0] TTL expired

IPv6 → 40 byte header, 128 bit IP
 → no checksum
 → ICMPv6 - more msgs

IPv6 datagram within IPv4 → Tunneling