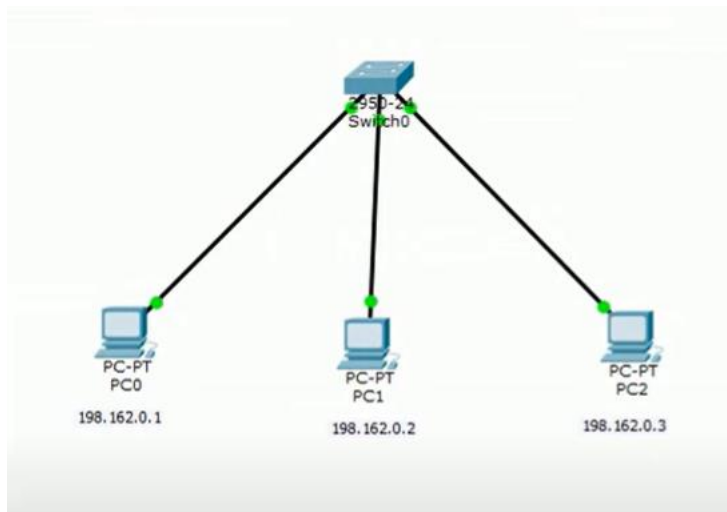


ARP



```
Packet Tracer PC Command Line 1.0
PC>arp -a
No ARP Entries Found
PC>ping 198.162.0.3

Pinging 198.162.0.3 with 32 bytes of data:

Ping statistics for 198.162.0.3:
    Packets: Sent = 1, Received = 0, Lost = 1 (100% loss),

Control-C
^C
PC>|
```

PDU Formats

Ethernet II

0	4	8	14	19	Bytes
PREAMBLE: 101010...1011		DEST MAC: FFFF.FFFF.FFFF		SRC MAC: 0090.0CBE.56E8	
TYPE: 0x806		DATA (VARIABLE LENGTH)			FCS: 0x0

ARP

0	8	16	31	Bits
HARDWARE TYPE: 0x1		PROTOCOL TYPE: 0x800		
HLEN: 0x6		PLEN: 0x4		OPCODE: 0x1
SOURCE MAC: 0090.0CBE.56E8 (48 bits)				SOURCE IP (32 bits) ==>
198.162.0.1				
TARGET MAC: 0000.0000.0000 (48 bits)				
TARGET IP: 198.162.0.3 (32 bits)				

