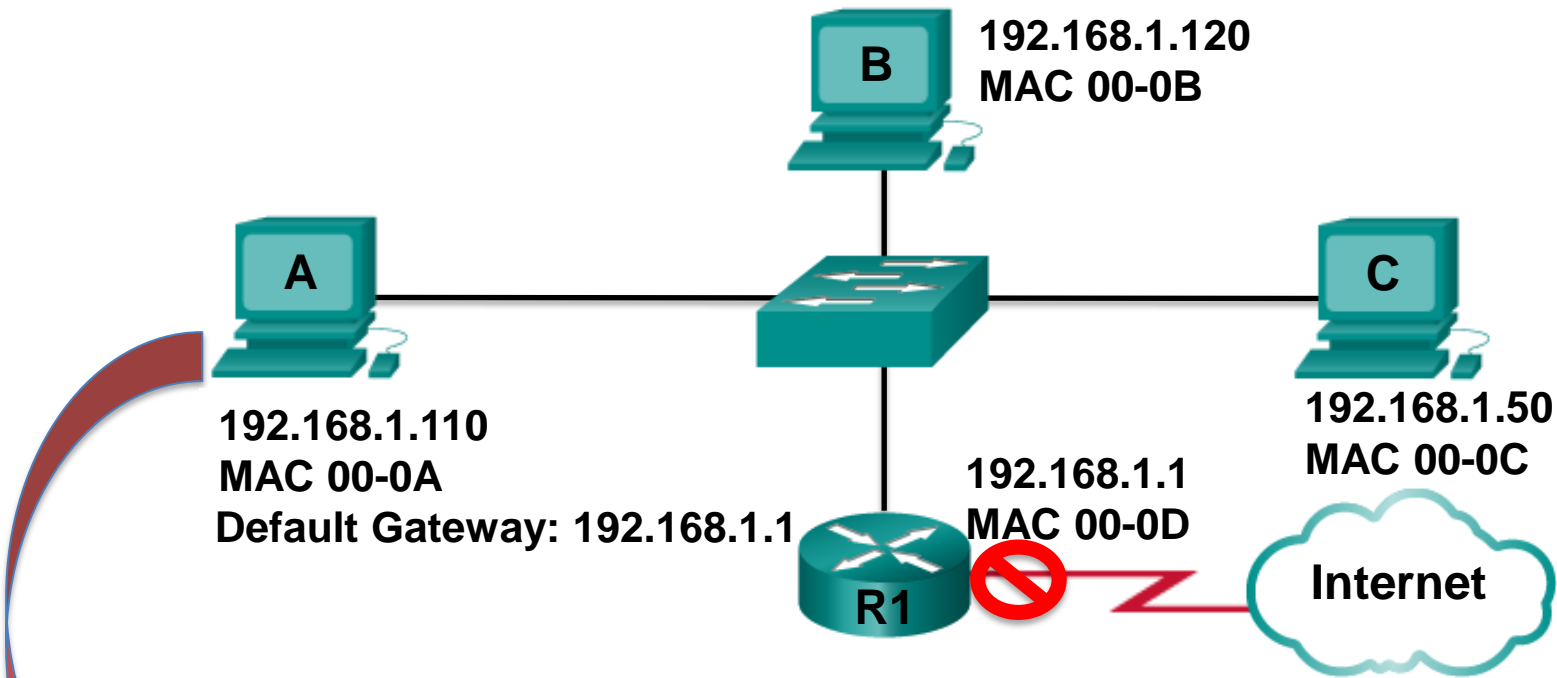


5.3.2.5 - ARP Role in Remote Communication



Ethernet Header

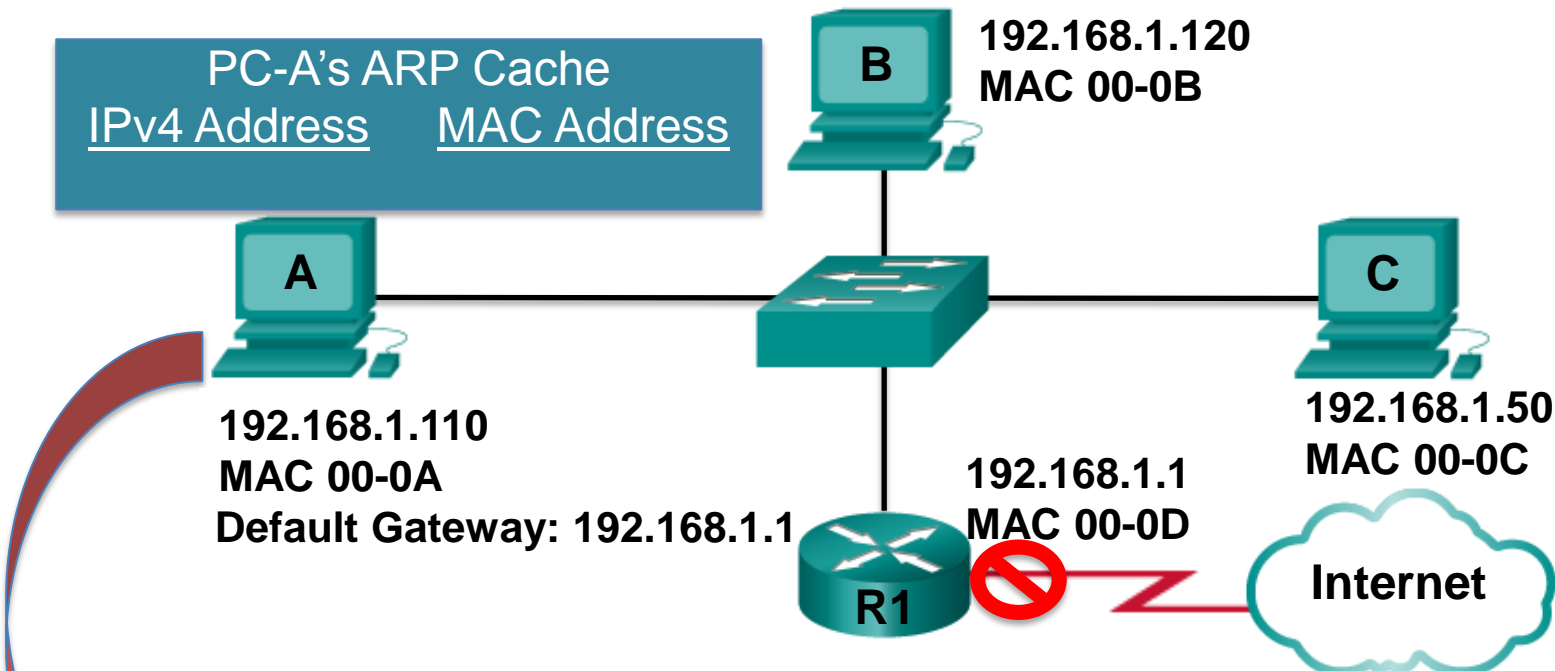
Destination MAC
???

Source MAC
00-0A

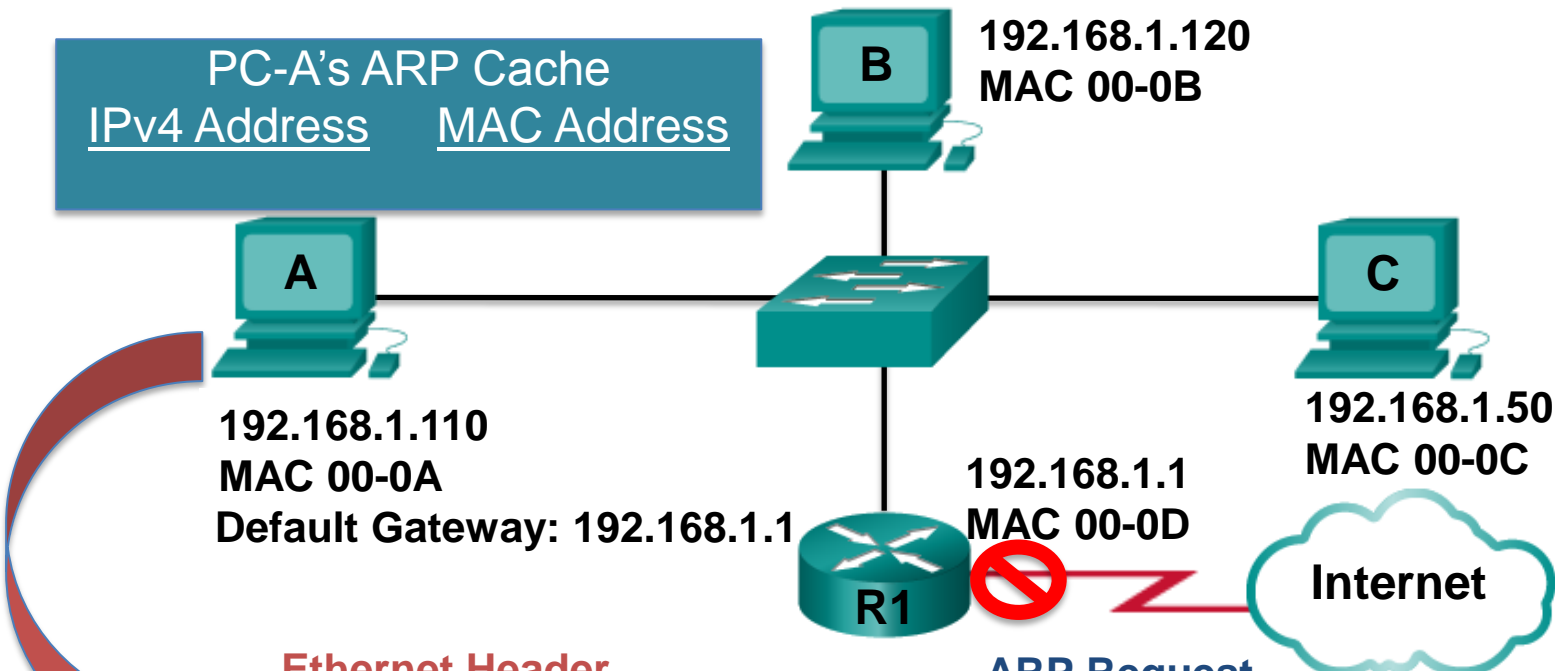
IP Packet

Source IP
192.168.1.110

Destination IP
10.1.1.10



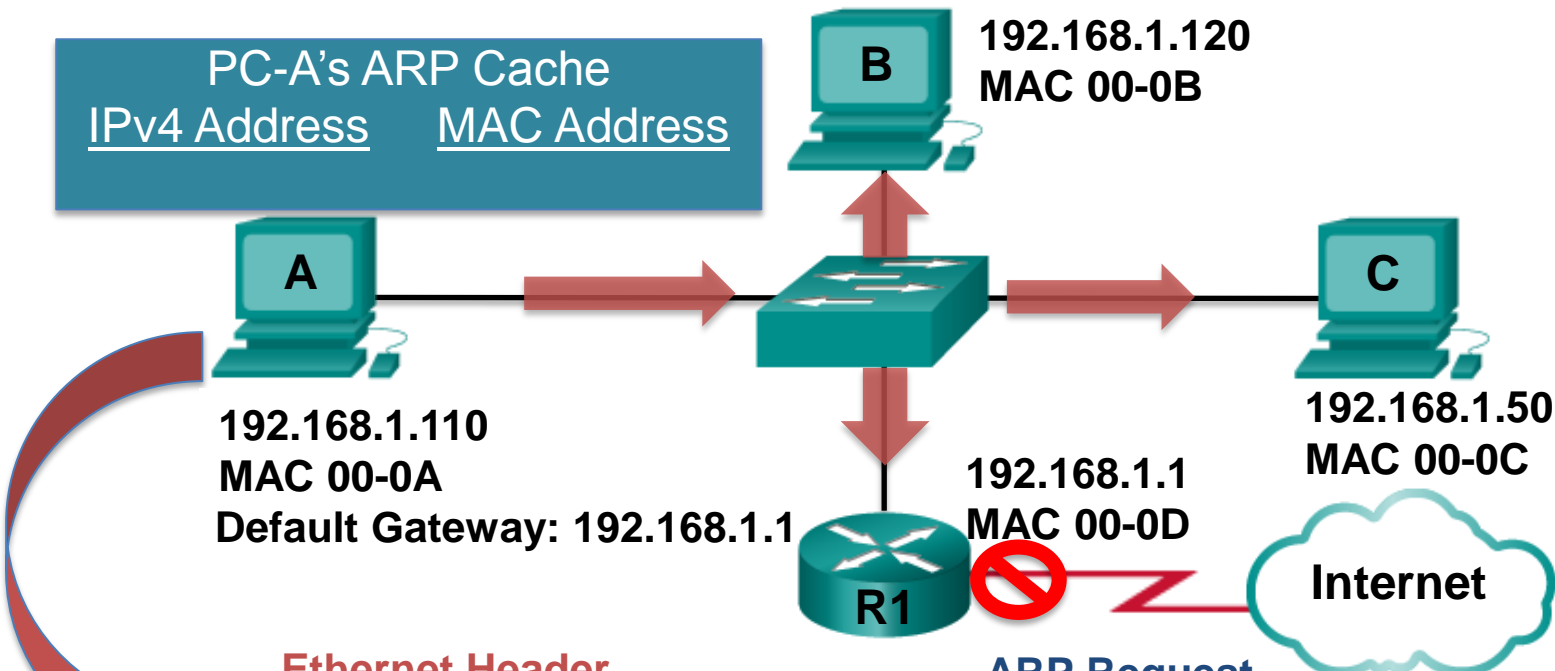
Ethernet Header		IP Packet	
Destination MAC	Source MAC	Source IP	Destination IP
???	00-0A	192.168.1.110	10.1.1.10



Ethernet Header		ARP Request	
Destination MAC FF-FF	Source MAC 00-0A	Target IPv4 192.168.1.1	Target MAC ???

Ethernet Header		IP Packet	
Destination MAC ???	Source MAC 00-0A	Source IP 192.168.1.110	Destination IP 10.1.1.10

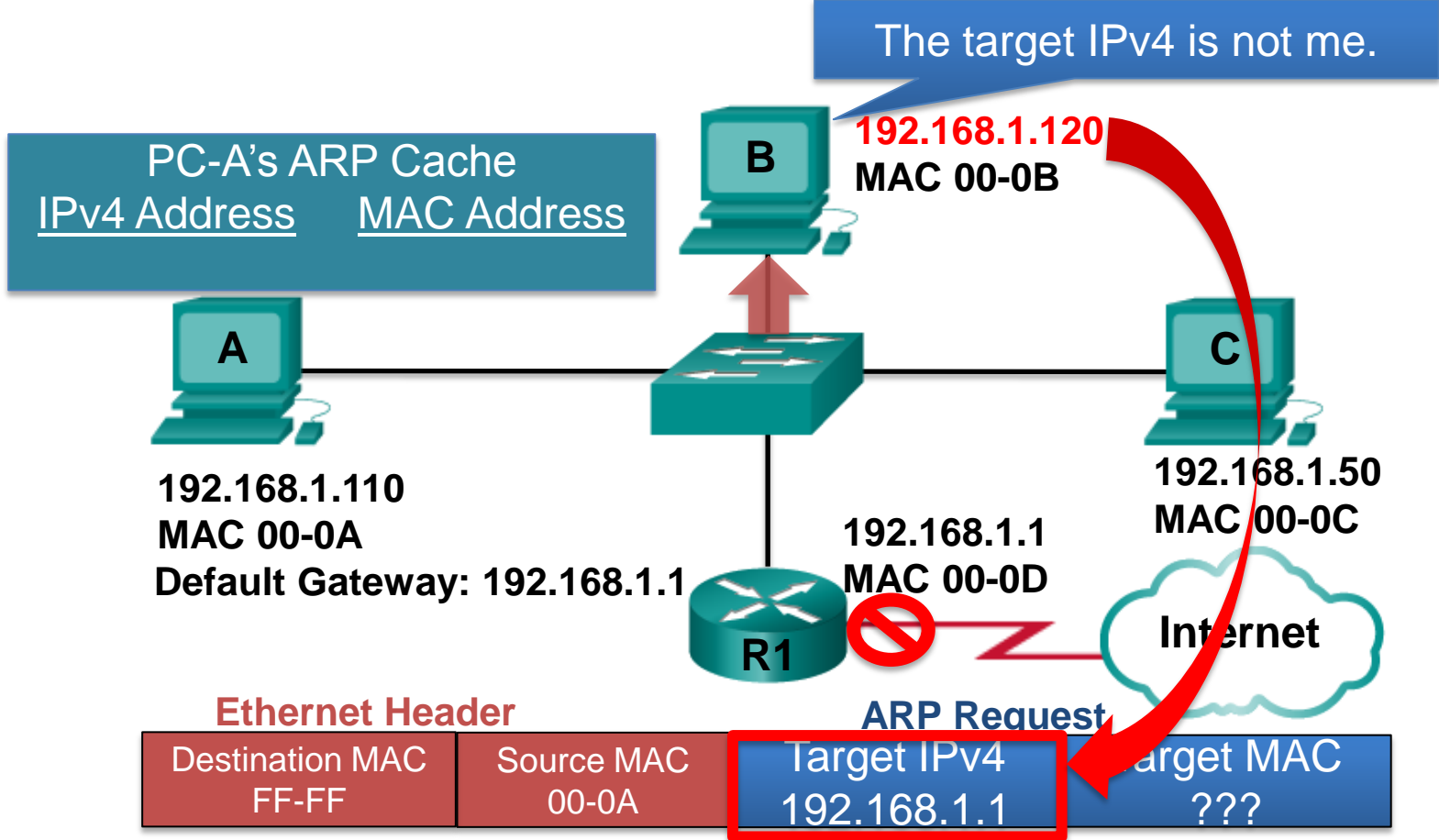
On Hold



Ethernet Header		ARP Request	
Destination MAC	Source MAC	Target IPv4	Target MAC
FF-FF	00-0A	192.168.1.1	???

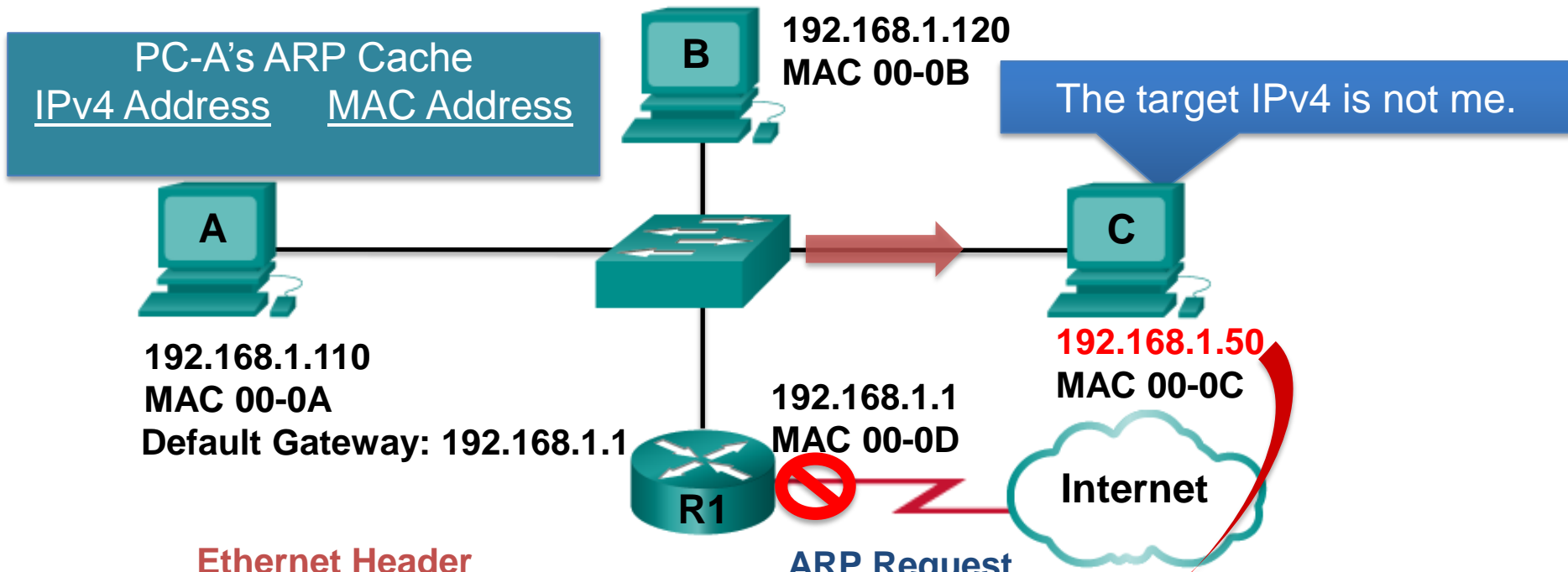
Ethernet Header		IP Packet	
Destination MAC	Source MAC	Source IP	Destination IP
???	00-0A	192.168.1.110	10.1.1.10

On Hold



On
Hold

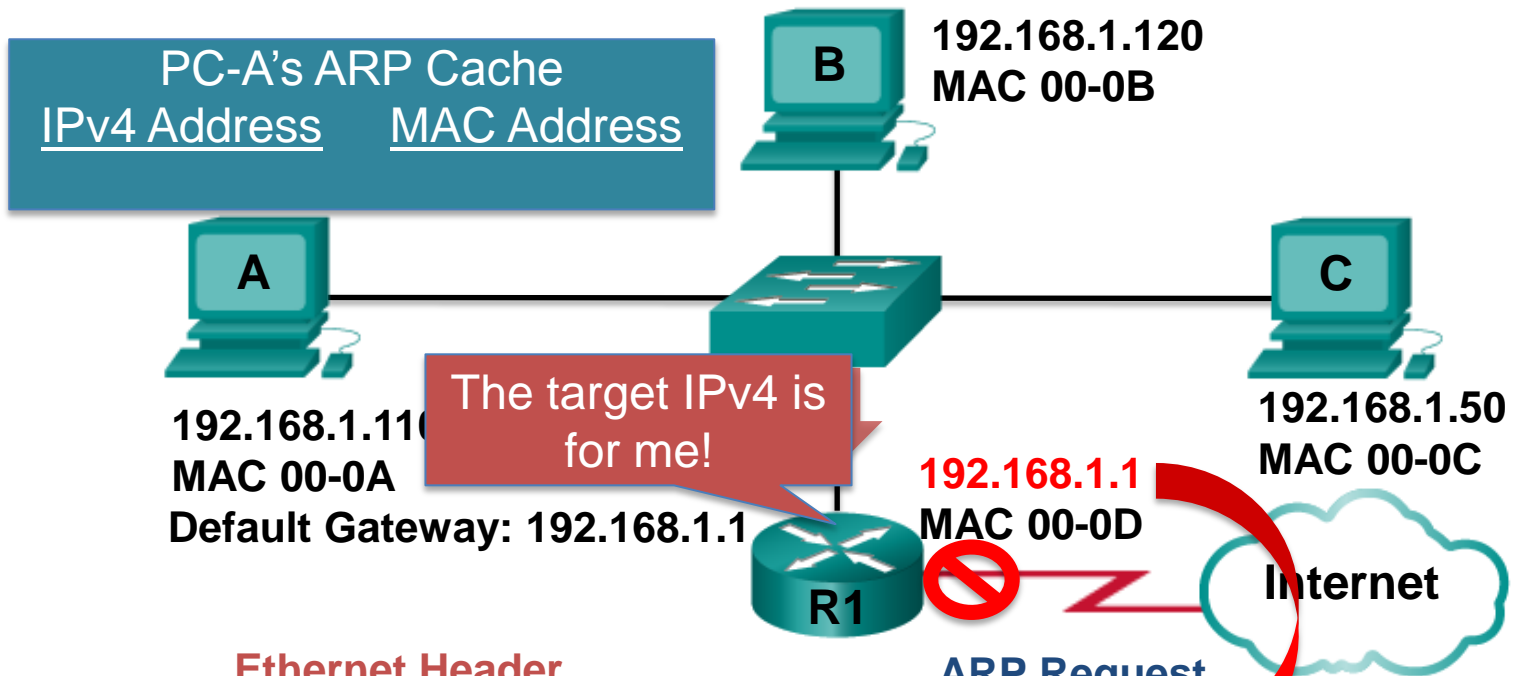
Ethernet Header		IP Packet	
Destination MAC ???	Source MAC 00-0A	Source IP 192.168.1.110	Destination IP 10.1.1.10



Ethernet Header		ARP Request	
Destination MAC	Source MAC	Target IPv4	Target MAC
FF-FF	00-0A	192.168.1.1	???

Ethernet Header		IP Packet	
Destination MAC	Source MAC	Source IP	Destination IP
???	00-0A	192.168.1.110	10.1.1.10

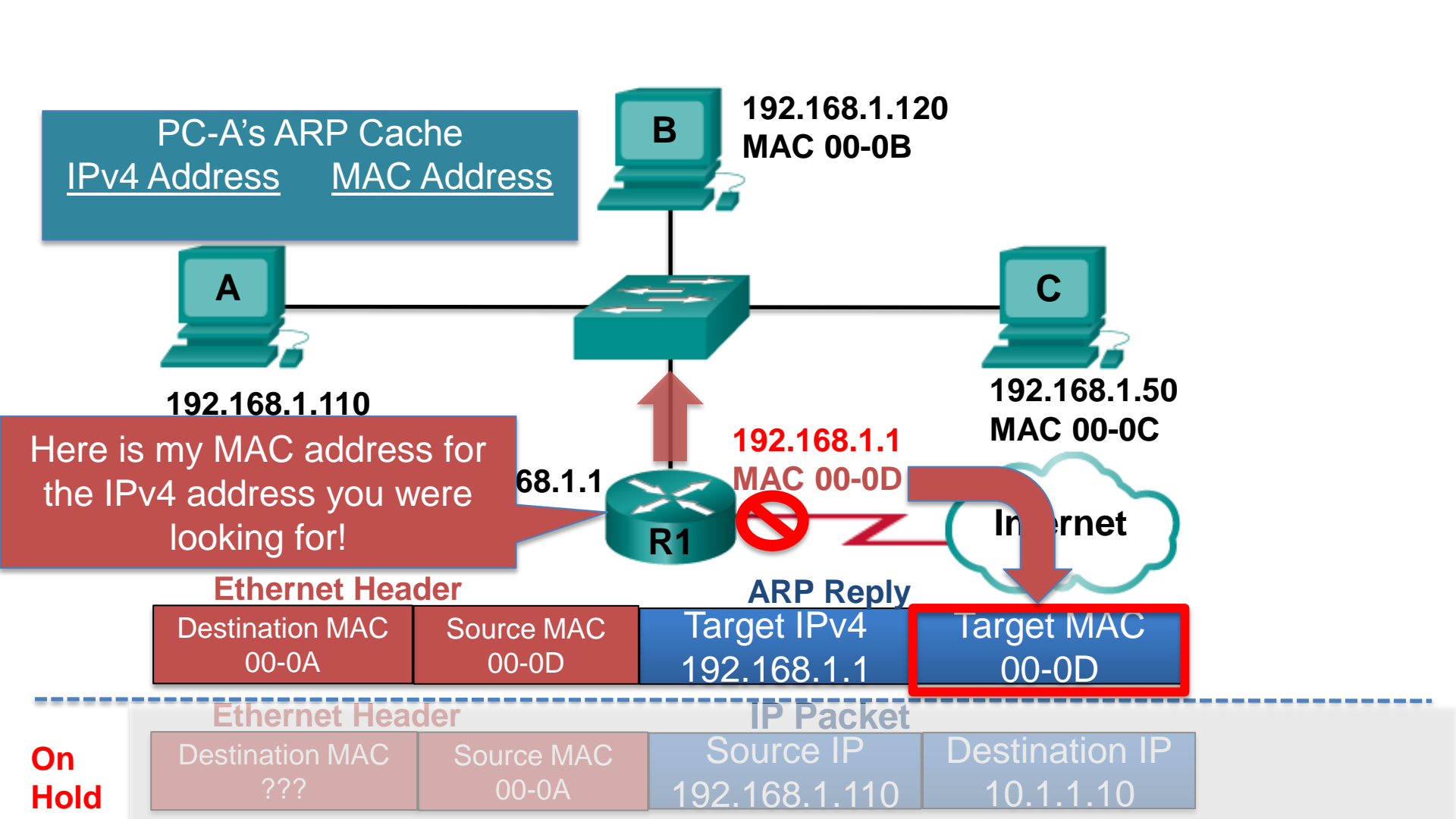
On
Hold

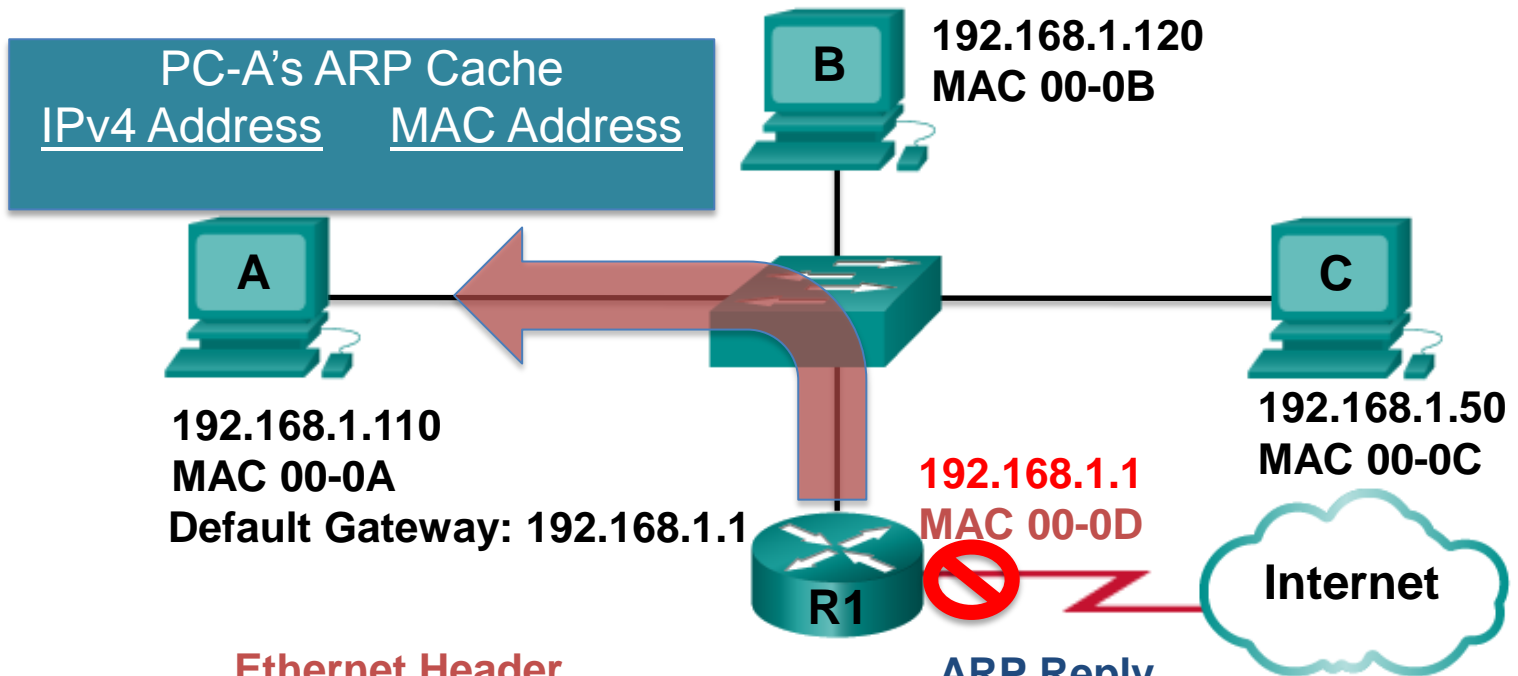


Ethernet Header		ARP Request	
Destination MAC	Source MAC	Target IPv4	Target MAC
FF-FF	00-0A	192.168.1.1	???

Ethernet Header		IP Packet	
Destination MAC	Source MAC	Source IP	Destination IP
???	00-0A	192.168.1.110	10.1.1.10

On Hold

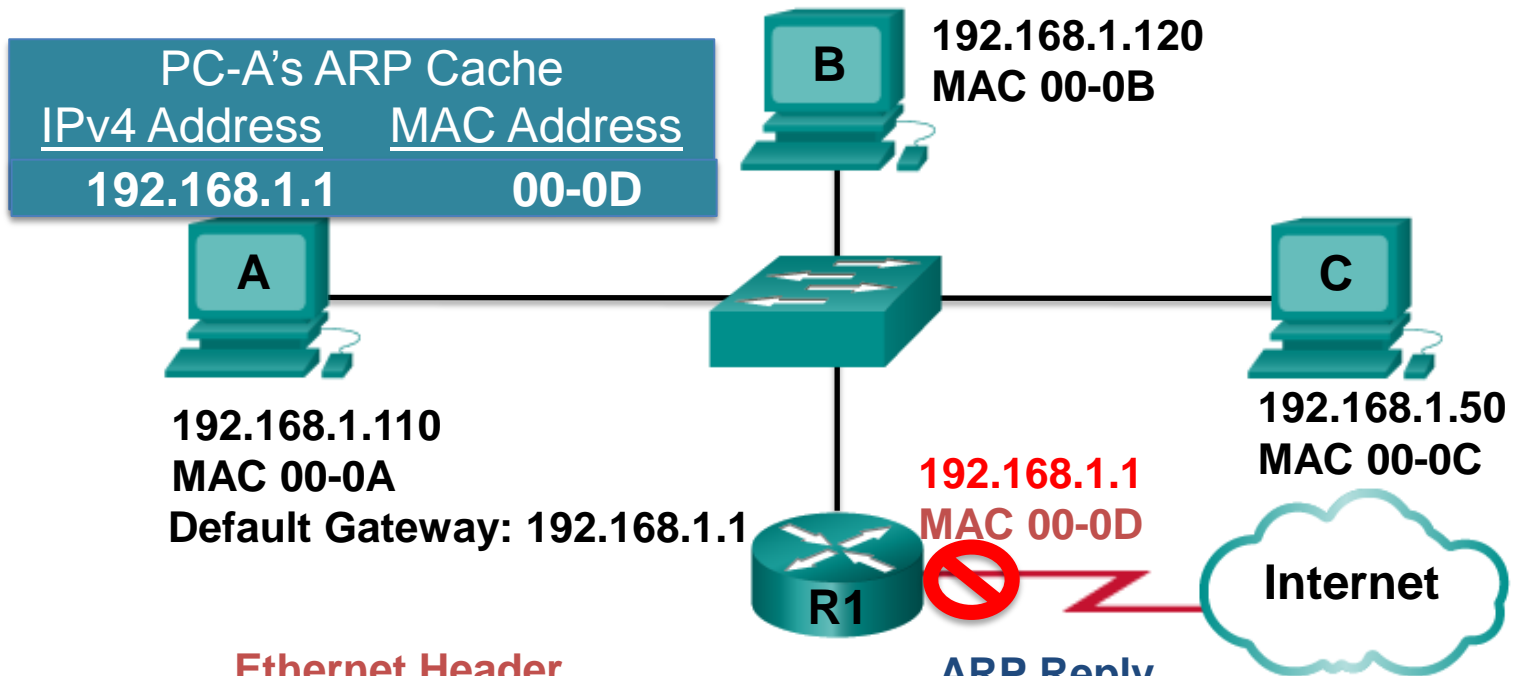




Ethernet Header		ARP Reply	
Destination MAC	Source MAC	Target IPv4	Target MAC
00-0A	00-0D	192.168.1.1	00-0D

Ethernet Header		IP Packet	
Destination MAC	Source MAC	Source IP	Destination IP
???	00-0A	192.168.1.110	10.1.1.10

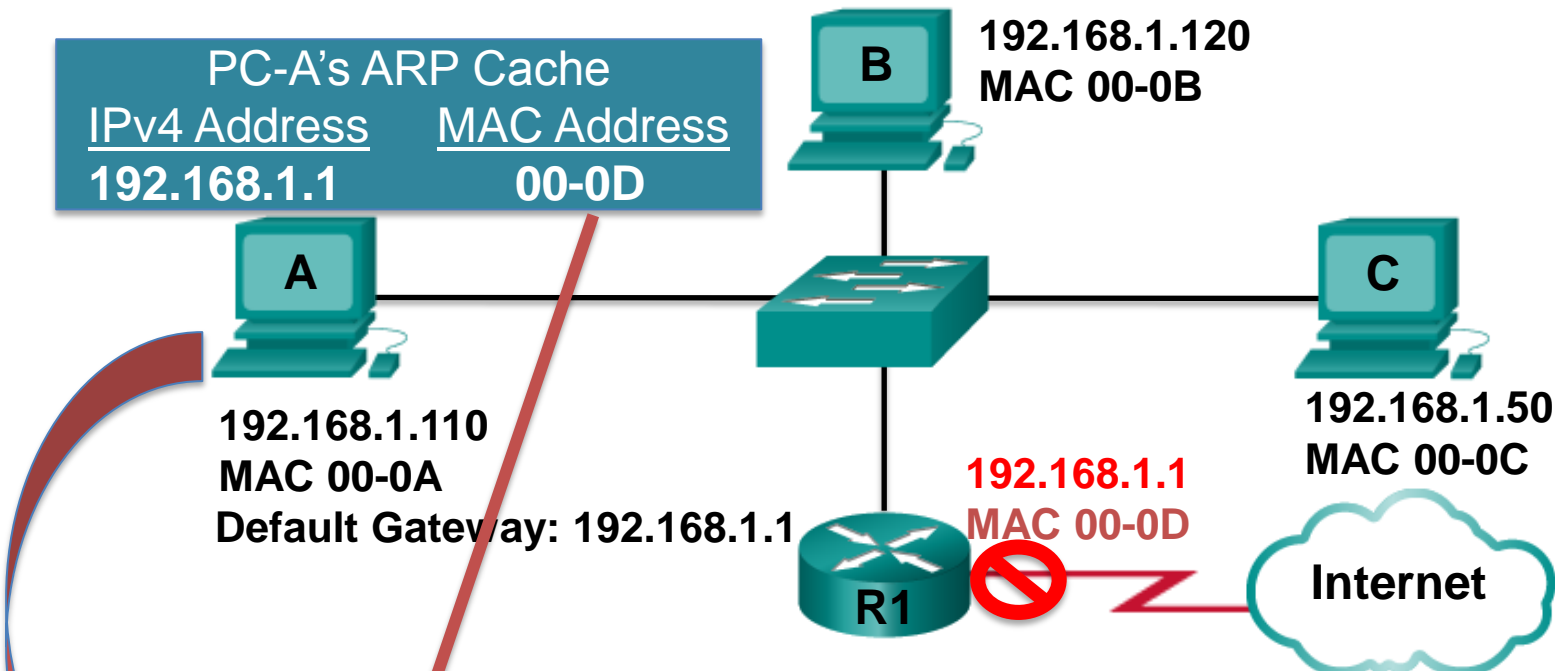
On Hold



Ethernet Header		ARP Reply	
Destination MAC	Source MAC	Target IPv4	Target MAC
00-00A	00-0D	192.168.1.1	00-0D

Ethernet Header		IP Packet	
Destination MAC	Source MAC	Source IP	Destination IP
???	00-0A	192.168.1.110	10.1.1.10

On Hold



Ethernet Header		IP Packet	
Destination MAC	Source MAC	Source IP	Destination IP
???	00-0A	192.168.1.110	10.1.1.10

