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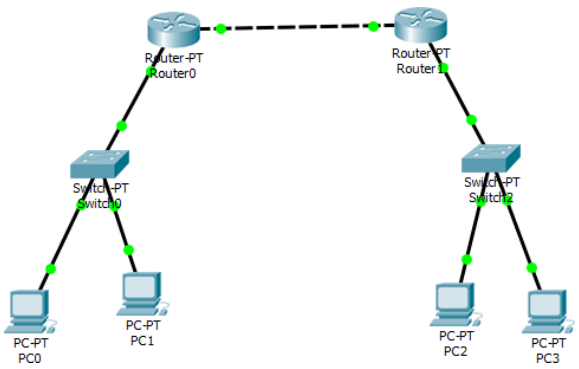
Nim : L200170184
Kelas : D

Kegiatan Praktikum Jaringan Komputer Modul 8

Kegiatan1. Konfigurasi Access List

1. Membuat desain topologi jaringan dengan 2 router, 2 switch, 4 pc.

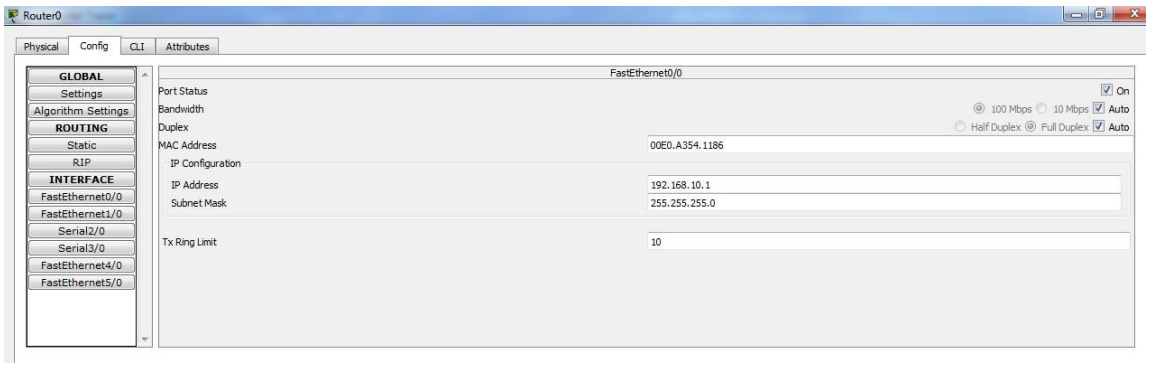


2. Memberikan IP address pada setiap router, switch dan pc.

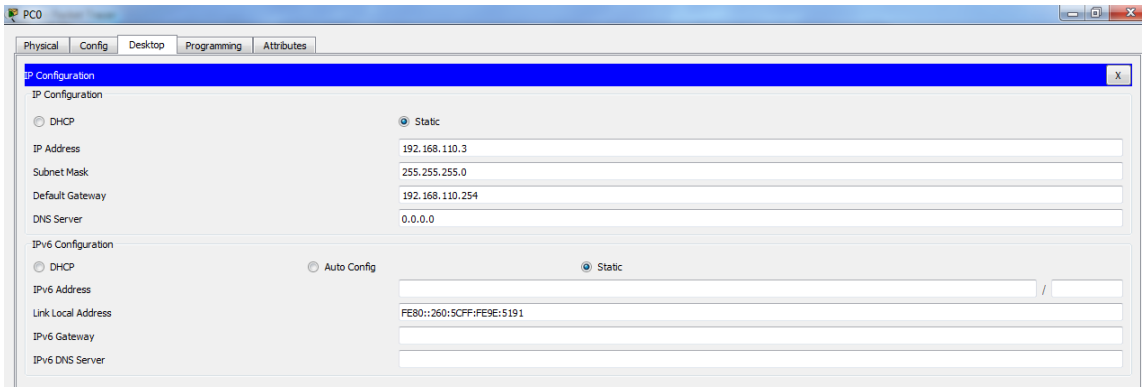
Dengan ketentuan :

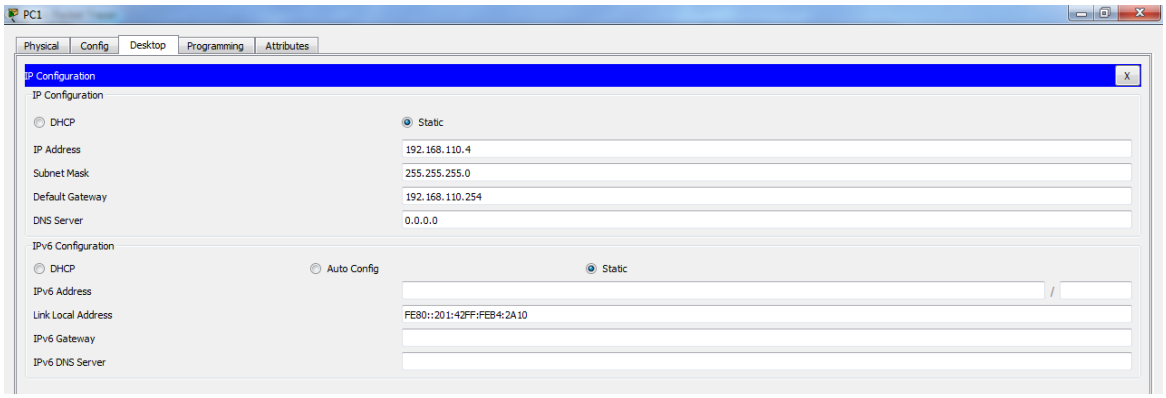
- Router0 :
  - E0 : 192.168.10/24
  - E1 : 192.168.110.254/24
- Router1 :
  - E0 : 192.168.10.2/24
  - E1 : 192.168.120.254/24
- Switch0 : 192.168.110.250/24
- Switch1 : 192.168.120.250/24
- Pc0 : 192.168.110.3/24
- Pc1 : 192.168.110.4/24
- Pc2 : 192.168.120.3/24
- Pc3 : 192.168.120.4/24

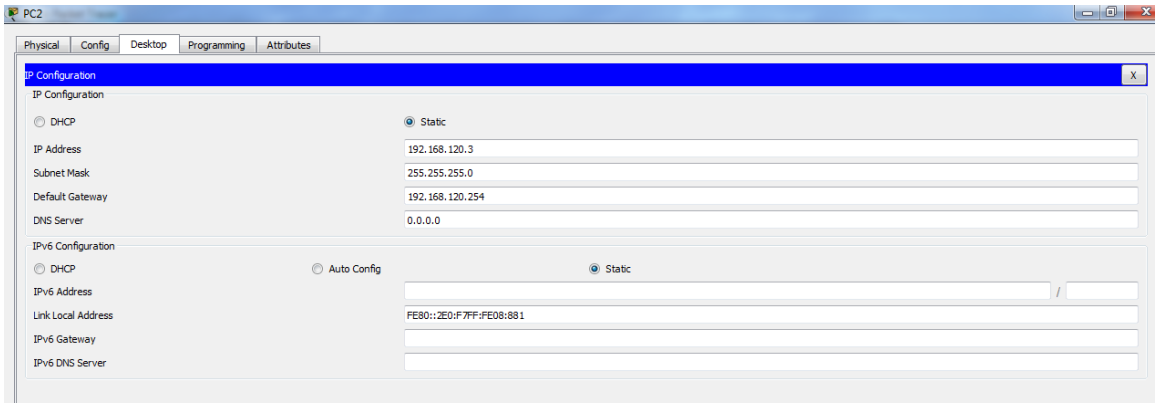
- Memberikan IP Address untuk setiap router, masing-masing di fa0/0 dan fa1/0 sesuai dengan dimodul. Berikut contoh pada fa0/0 diRouter0.

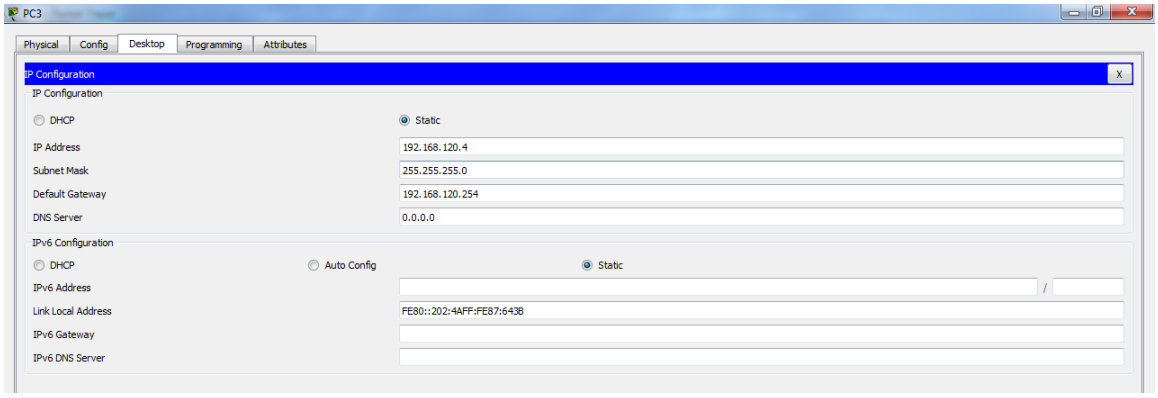


- Memberikan IP Address untuk setiap PC.

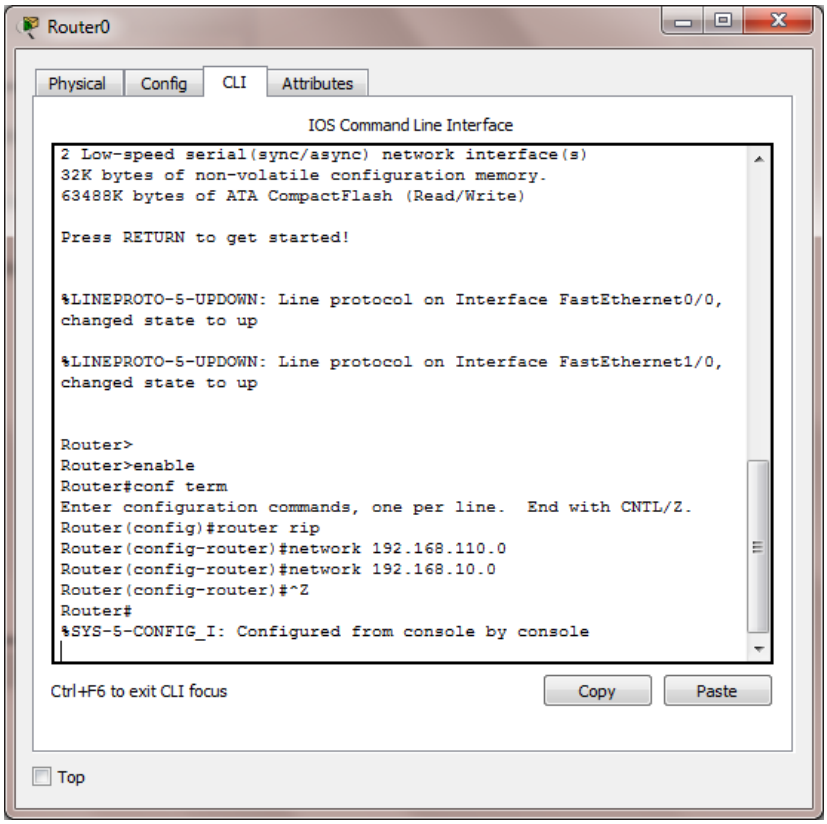


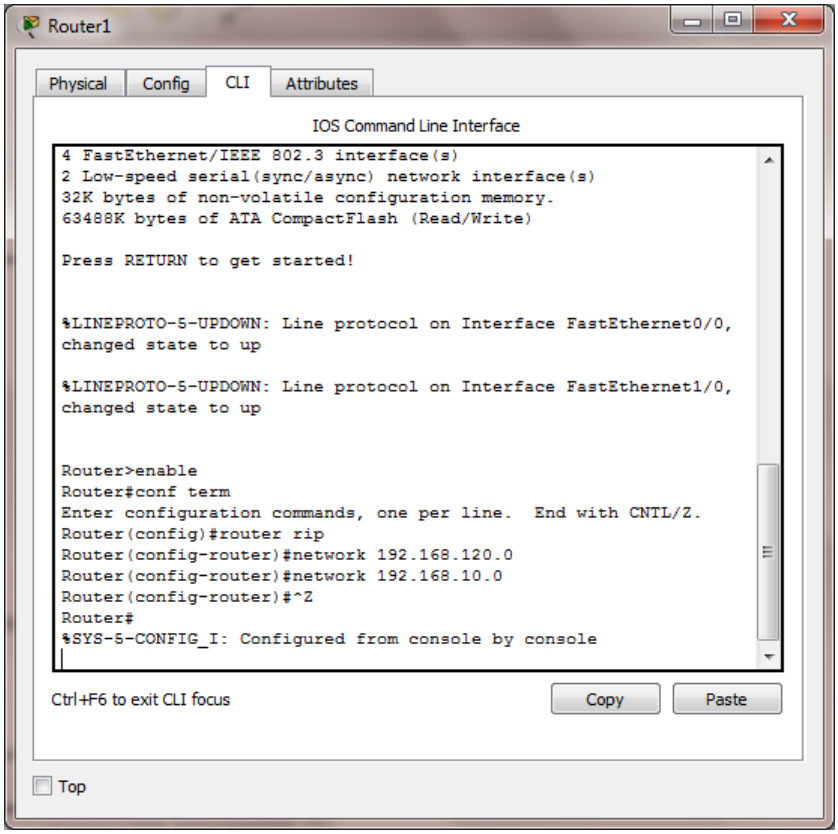




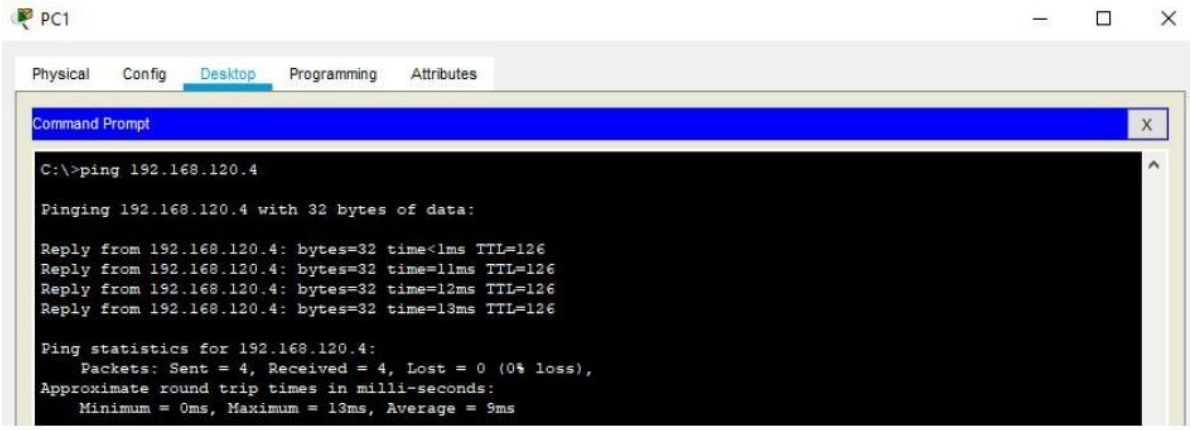


3. Melakukan routing dengan protocol RIP pada kedua jaringan

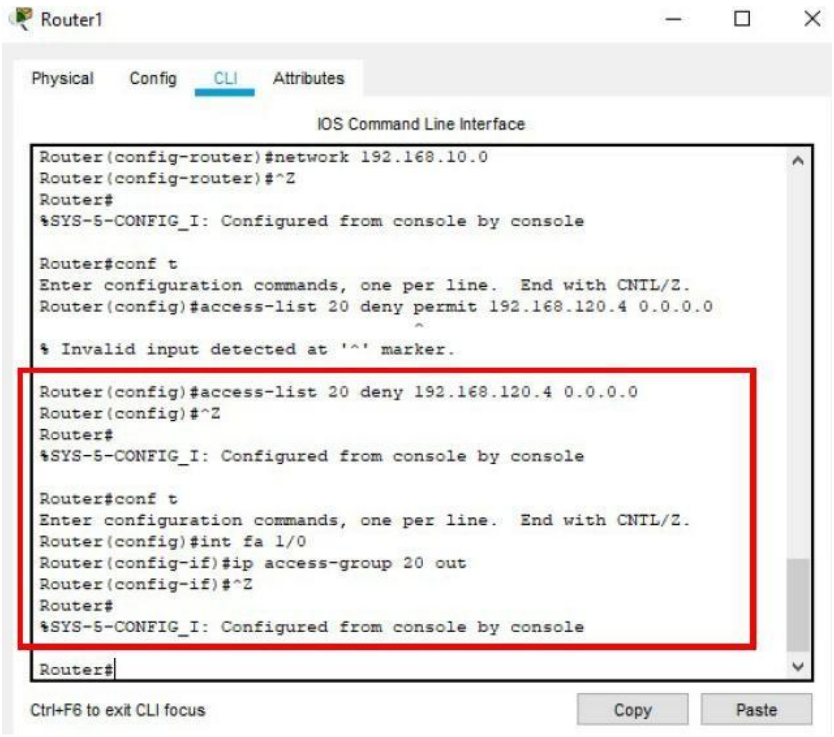

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)
Press RETURN to get started!
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Router>
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.110.0
Router(config-router)#network 192.168.10.0
Router(config-router)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Router1
Physical
Config
CLI
Attributes
IOS Command Line Interface
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)
Press RETURN to get started!
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.120.0
Router(config-router)#network 192.168.10.0
Router(config-router)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

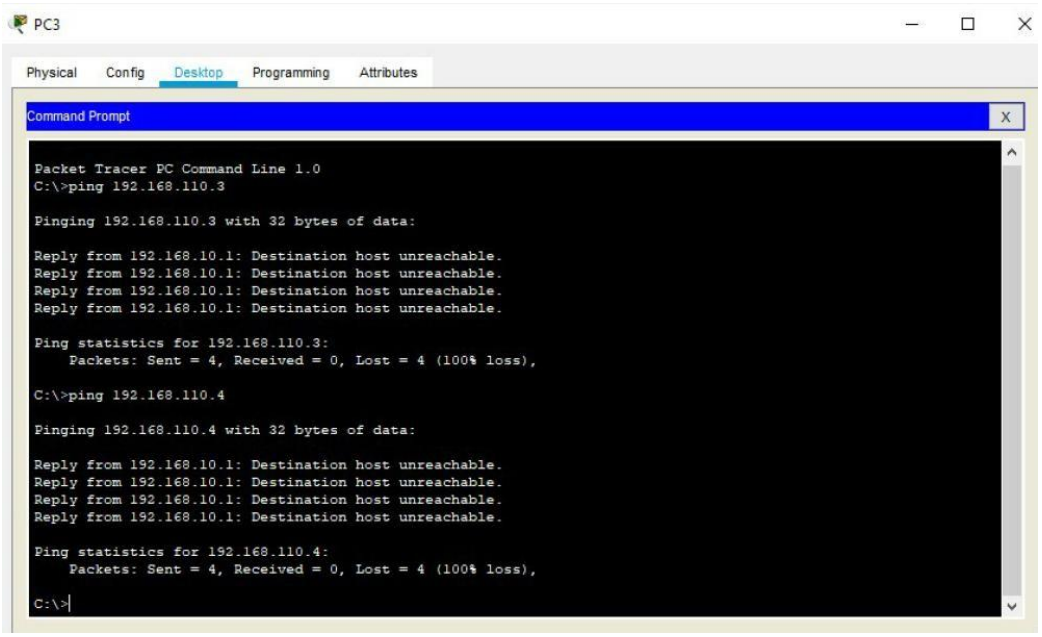
- Untuk mengetest routing berhasil, ping PC1 ke PC4



4. Cara memblokir akses.

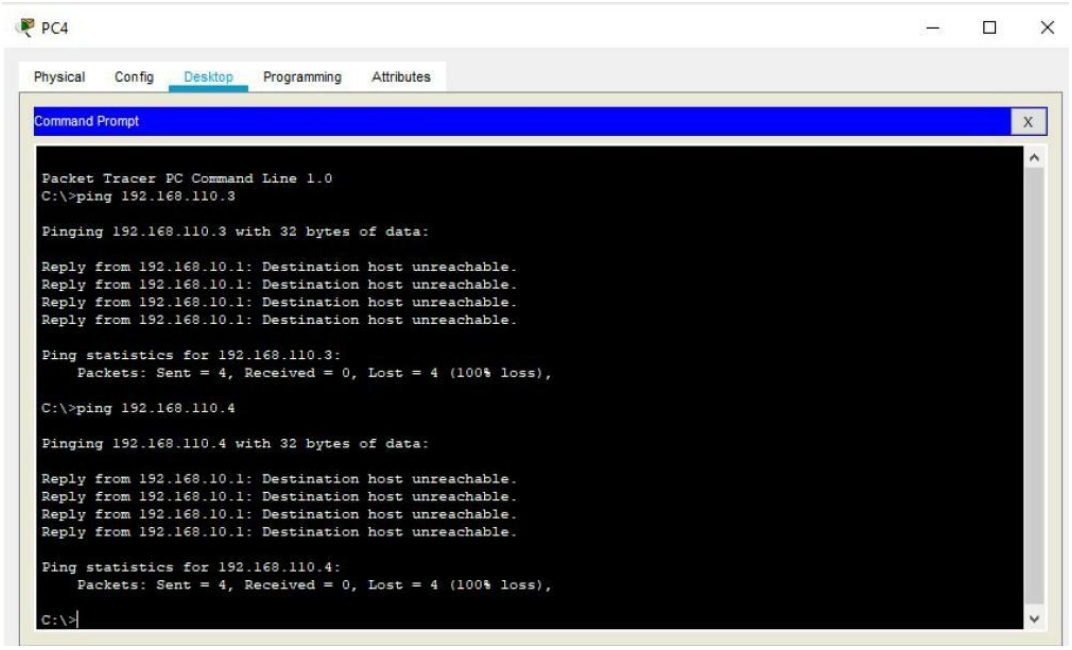


5. Teskoneksi dari PC3 ke PC1 dan PC2



Destination host unreachable menunjukan bahwa akses dari PC3 ke PC1 maupun PC2 sudah terblokir.

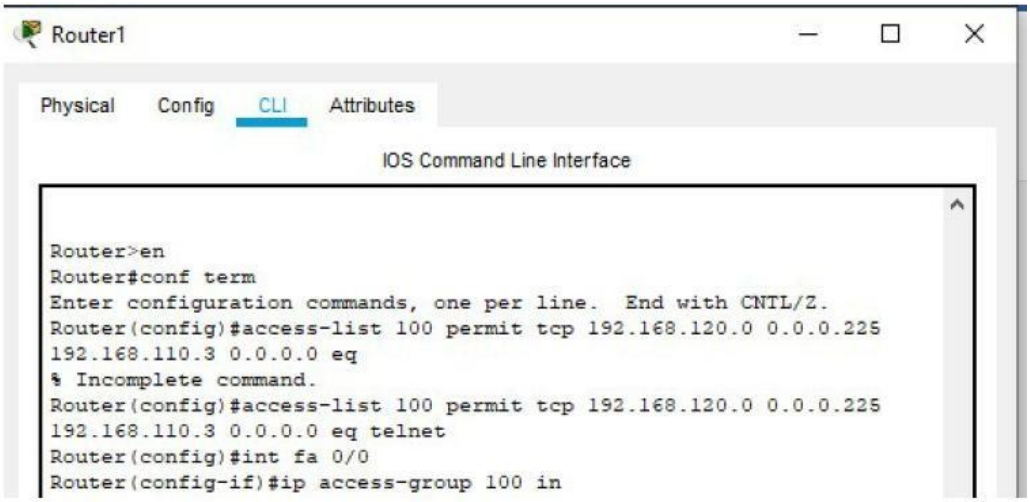
- Tes koneksi dari PC4 ke PC1 dan PC2



Destination host unreachable menunjukan bahwa akses dari PC4 ke PC1 maupun PC2 sudah terblokir.

Kegiatan2. Kegiatan Extended Access List

1. Konfigurasi mengizinkan paket telnet dari semua host yang ada di jaringan 192.168.120 ke host 192.168.110.3



2. Melihat hasil konfigurasi.