

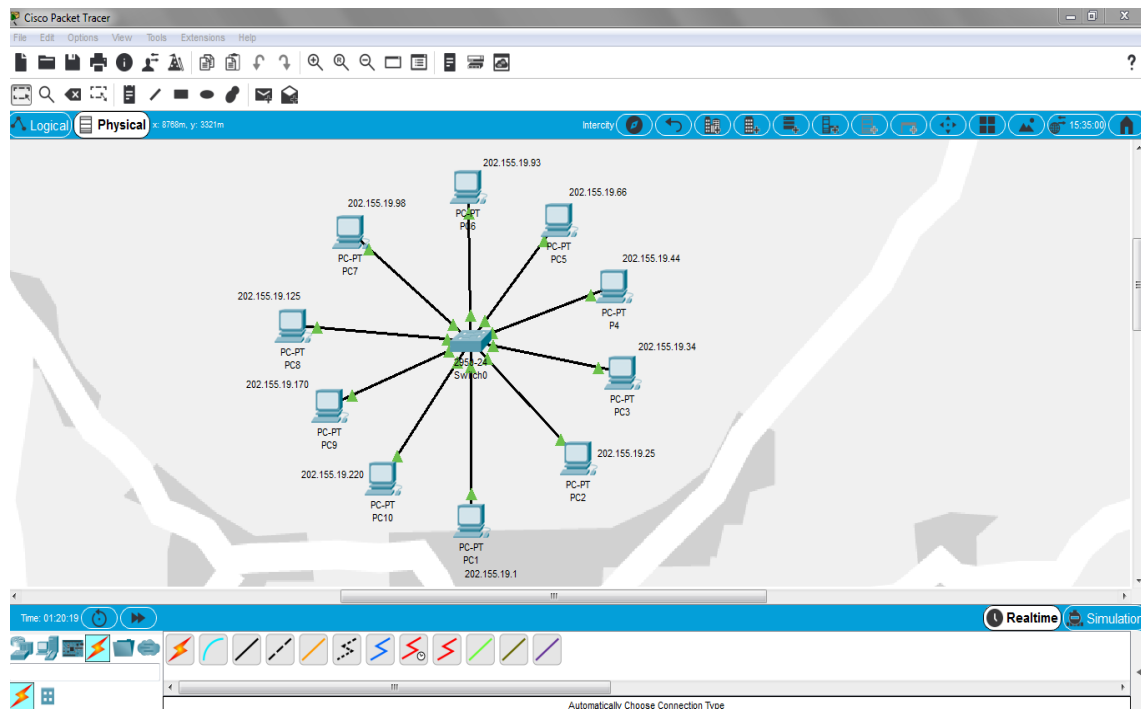
**Nama : Muhammad Himmawan**

**NIM : L200-170-161**

**Kelas : D**

**Modul : 3**

## 1. Desain Rangkaian



## 2. Tugas Subnetting

IP → 202.155.19.0

Subnet Mask yang digunakan yaitu 255.255.255.224

|||||||.|||||||.|||||||.||||00000

Karena diperlukan 5 subnet, maka dengan mengubah 3 digit biner 0 menjadi biner 1.

➤ Jumlah Subnet [  $2^x$  ]:

$$2^3 = 8$$

➤ Host per Subnet [  $2y - 2$  ]:

$$2^5 - 2 = 30$$

➤ Block Subnet :

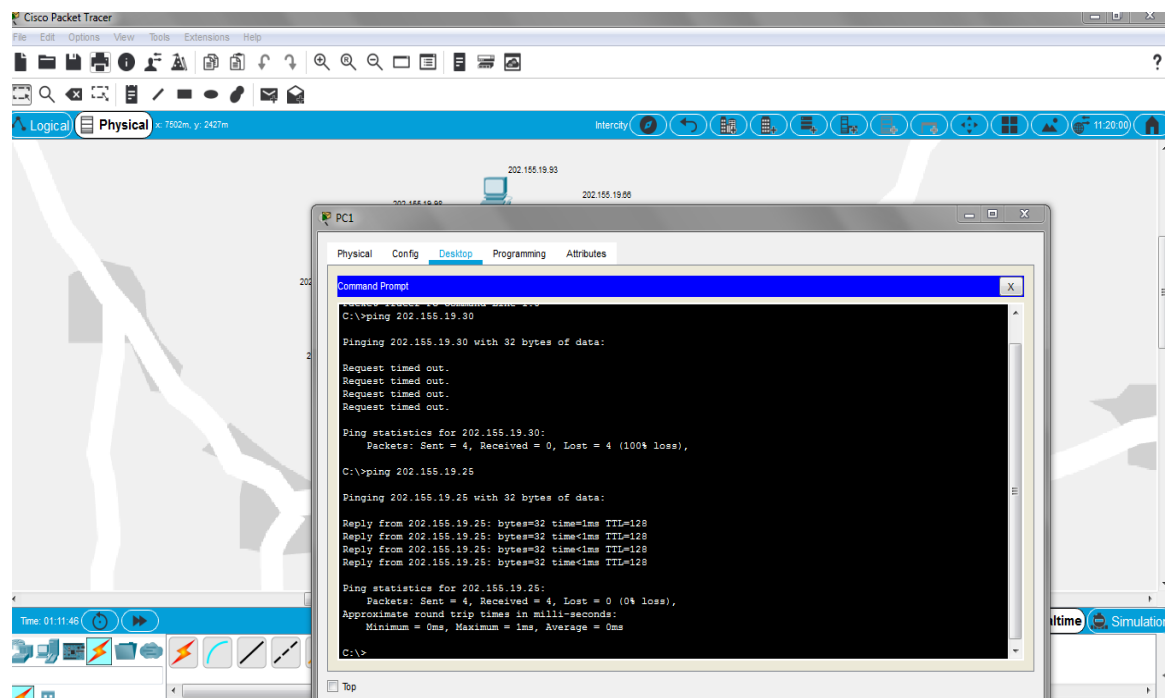
$$256 - 224 = 32 \text{ IP}$$

➤ Tabel Subnet

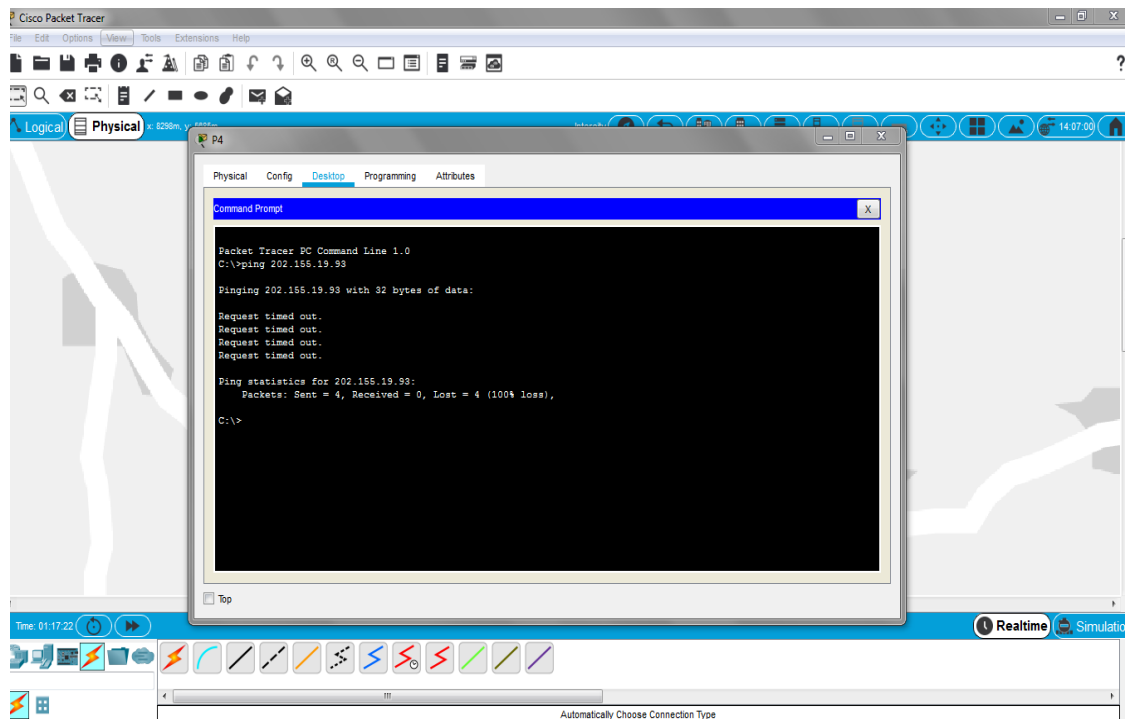
Netw ork	202.155. 19.0	202.155. 19.32	202.155. 19.64	202.155. 19.96	202.155 .19.128	202.155 .19.160	202.155 .19.192	202.155. 19.224
IP Awal	202.155. 19.1	202.155. 19.33	202.255. 19.65	202.155. 19.97	202.155 .19.129	202.155 .19.161	202.155 .19.193	202.155. 19.225
IP Akhir	202.155. 19.30	202.155. 19.62	202.155. 19.94	202.155. 19.126	202.155 .19.158	202.155 .19.190	202.155 .19.222	202.155. 19.254
Broad cast	202.155. 19.31	202.155. 19.63	202.155. 19.95	202.155. 19.127	202.155 .19.159	202.155 .19.191	202.155 .19.223	202.155. 19.255

**Uji Coba Subnetting**

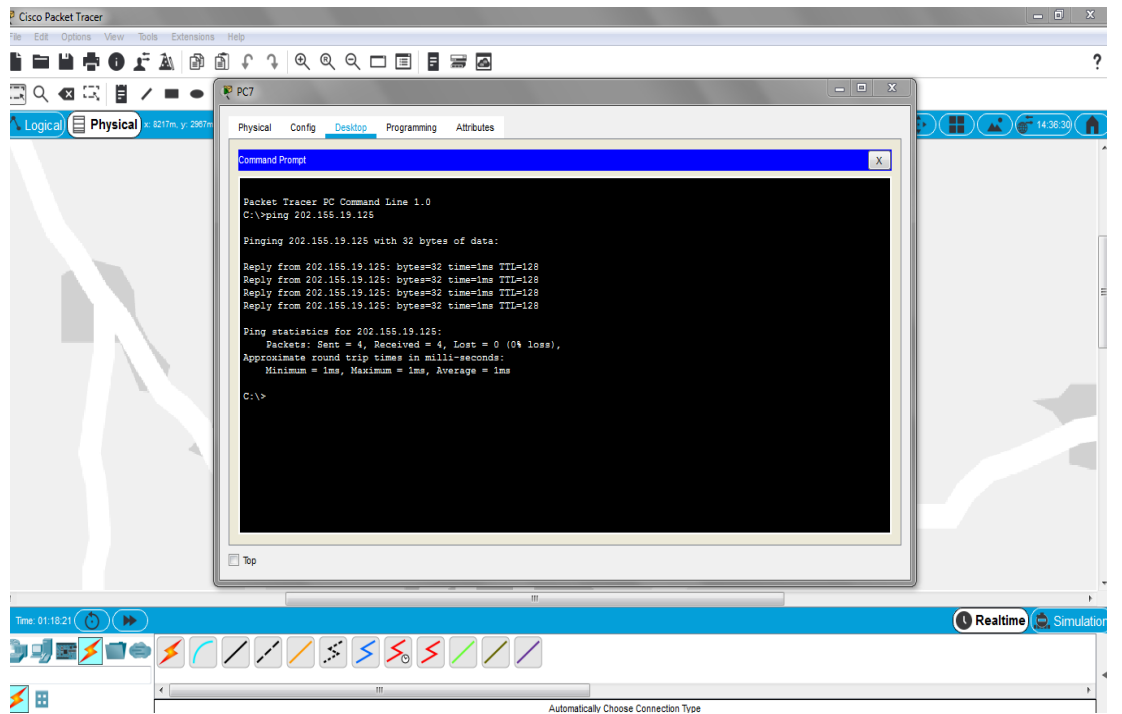
1. PC 1 dan PC 2



2. PC 4 dan PC 6



### 3. PC 7 dan PC 8



### 4. PC 8 dan PC 10

