

Ejercicios IP: Calculo de Redes.

**Instituto Tecnológico de Cancún.
Kaxoc Ek Félix Gerardo.
Fundamentos de Telecomunicaciones.
Ismael Jiménez Sánchez.
Enero 2021**

ip 10.0.0.0/8

| | | | | | |
|-----------|----------|----------|----------|----------|----------------|
| IP | 1010 | 0 | 0 | 0 | 10.0.0.0 |
| Mask | 11111111 | 0 | 0 | 0 | 255.0.0.0 |
| ID | 1010 | 0 | 0 | 0 | 10.0.0.0/8 |
| Wcard | 0 | 11111111 | 11111111 | 11111111 | 0.255.255.255 |
| Bcast | 1010 | 11111111 | 11111111 | 11111111 | 10.255.255.255 |
| 1ra IP | 1010 | 0 | 0 | 1 | 10.0.0.1 |
| Ultima IP | 1010 | 11111111 | 11111111 | 11111111 | 10.255.255.254 |

ip 172.16.0.0/12

| | | | | | |
|-----------|----------|----------|----------|----------|----------------|
| IP | 10101100 | 10000 | 0 | 0 | 172.16.0.0 |
| Mask | 11111111 | 11110000 | 0 | 0 | 255.240.0.0 |
| ID | 10101100 | 10000 | 0 | 0 | 172.16.0.0/12 |
| Wcard | 0 | 1111 | 11111111 | 11111111 | 0.15.255.255 |
| Bcast | 10101100 | 11111 | 11111111 | 11111111 | 172.31.255.255 |
| 1ra IP | 10101100 | 10000 | 0 | 1 | 172.16.0.1 |
| Ultima IP | 10101100 | 11111 | 11111111 | 11111110 | 172.31.255.254 |

ip 192.168.0.0/16

| | | | | | |
|-----------|----------|----------|----------|----------|-----------------|
| IP | 11000000 | 10101000 | 0 | 0 | 192.168.0.0 |
| Mask | 11111111 | 11111111 | 0 | 0 | 255.255.0.0 |
| ID | 11000000 | 10101000 | 0 | 0 | 192.168.0.0/16 |
| Wcard | 0 | 0 | 11111111 | 11111111 | 0.0.255.255 |
| Bcast | 11000000 | 10101000 | 11111111 | 11111111 | 192.168.255.255 |
| 1ra IP | 11000000 | 10101000 | 0 | 1 | 192.168.0.1 |
| Ultima IP | 11000000 | 10101000 | 11111111 | 11111110 | 192.168.255.254 |