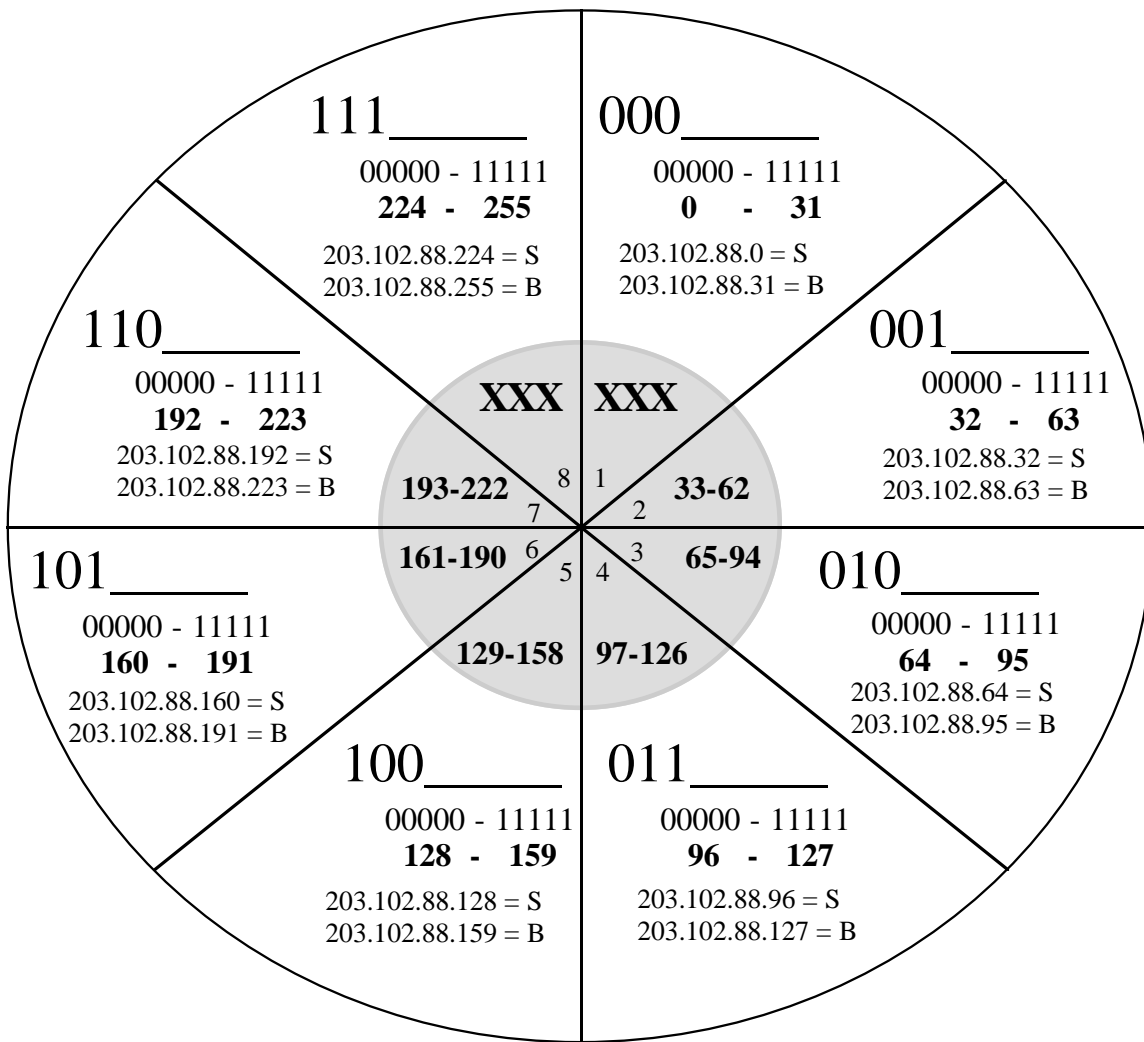


# Subnetting is Like a Pizza

The purpose of creating subnets within a network is to make the network more manageable and flexible. It's just like a pizza, you cut it into slices to make it easier to eat! Subnetting is NOT creating a small network inside another network. Just think about it... Can you have one pizza inside another pizza?

Let's take the Class C network (below) and divide it into eight subnetworks. How many bits need to be borrowed?

**203.102.88. 0**  
(Network Address)



**S – Subnetwork Address**  
**B – Broadcast Address**  
**Gray Area = Usable IP ranges**

# Usable Addresses (Pepperoni Slices)

203.102.88.\_\_\_\_

