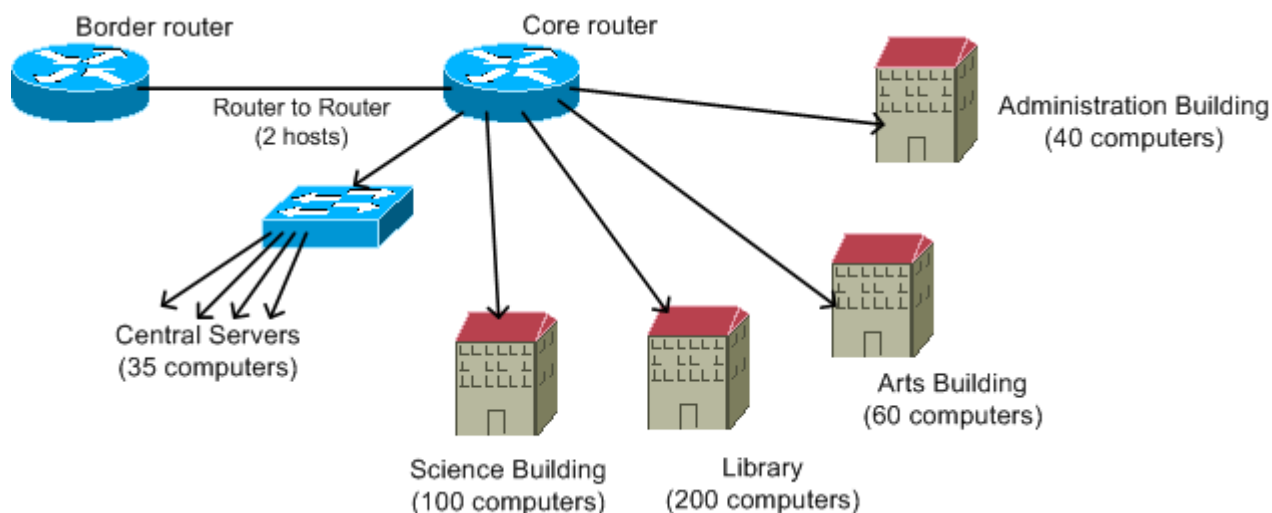# IP Addressing Exercise

Consider the following simple network (very similar to example in talk):

Fill out the subnet size and number of IPv4 and IPv6 addresses for each network in the following table and compute the total number of IPv4 and IPv6 addresses and subnet sizes required to support this small network.

- For IPv4, pick a suitable address block out of the 172.16.0.0/12 space.
- For IPv6, pick a suitable address block out of the 2001:DB8::/32 space.

Network	# Hosts	IPv4 Subnet Size	IPv4 Address Block	IPv6 Subnet Size	IPv6 Address Block
Router to router connect	2				
Server Network	35				
Science Building	100				
Library	200				
Arts Building	60				
Administration Building	40				
Wireless Network	250				
Totals			N/A		N/A

What size of IPv4 address block is required for the whole network?

What size of IPv6 address block is required for the whole network?