

Subnet the 192.168.5.0/24 network to provide sufficient addressing for each LAN. (Also, the point-to-point connection between R1 and R2).

Assign the first usable address to the PC in each

Assign the last usable address to the router's interface in each LAN.

Configure static routes on each router so that all PCs can ping each other.

VSLM Steps:

- 1. Assign the largest subnet at the start of the address space.
- 2. Assign the second-largest subnet after it.
- 3. Repeat the process until all subnets have been assigned.

In real life, you should leave extra room in each subnet for future growth. But when taking a test, do exactly as the instructions say.

NETWORK	VLSM	MASK	RANGE
LAN2 (1 st Largest)	LAN2: /25 Network Address: 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0	255.255.255.128	192.168.5.0 - 192.168.5.127
LAN1 (2 nd Largest)	LAN1: /26 Network Address: 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 1 0	255.255.255.192	192.168.5.128 - 192.168.5.191
LAN3	LAN3: /28 Network Address: 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1	255.255.255.240	192.168.5.192 - 192.168.5.207
LAN4	LAN4: /28 Network Address: 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 1 1 0 1 0 0 0 0 0 1 0 1 1 1 0 1 0 0 0 0 0 0 1 0 1 1 1 1 0 1 0 0 0 0 0 0 1 0 1 1 1 1 0 1	255.255.255.240	192.168.5.208 - 192.168.5.223
РТР	Point-to-Point: /30 (/31) ^I Network Address: 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1	255.255.255.252	192.168.5.224 - 192.168.5.227