Solution

Question1: Which subnet does host 172.24.97.97/28 belong to?

Answer: 172.24.97.96

Question2: What is the last valid host on the subnetwork 92.168.184.96, with subnet mask: 255.255.255.240?

Answer: 192.168.184.110

Question3: What valid host range is the IP address 192.168.107.64/25 a part of?

Answer: 192.168.107.1 through to 192.168.107.126

Question4: What is the last valid host on the subnetwork 72.17.225.128 using the subnet mask: 255.255.255.224?

Answer: 72.17.225.158

Question5: What is the first valid host on the subnetwork that the node 172.31.49.80 255.255.252.0 belongs to?

Answer: 172.31.48.1

Question6: Which subnet does host 172.16.73.16 255.255.240.0 belong to?

Answer: 172.16.64.0

Question7: What is the last valid host on the subnetwork 172.22.64.0/20?

Answer: 172.22.79.254

Question: What is the last valid host on the subnetwork 192.168.236.0/26?

Answer: 192.168.236.62