Homework 3 - Subnetting and OSPF

Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway
R1	G0/0	**192.168.100.1**	255.255.255.224	—
	G0/1	**192.168.100.33**	255.255.255.224	—
	S0/0/0	**192.168.100.129**	255.255.255.252	—
R2	G0/0	**192.168.100.65**	255.255.255.224	—
	G0/1	**192.168.100.97**	255.255.255.224	—
	S0/0/0	**192.168.100.130**	255.255.255.252	—
PC1	NIC	**192.168.100.30**	255.255.255.224	**192.168.100.1**
PC2	NIC	**192.168.100.62**	255.255.255.224	**192.168.100.33**
PC3	NIC	**192.168.100.94**	255.255.255.224	**192.168.100.65**
PC4	NIC	**192.168.100.126**	255.255.255.224	**192.168.100.97**

Subnetting Table

Subnet #	Subnet Address	First Usable	Last Usable	Broadcast	Mask
1	192.168.100.0	192.168.100.1	192.168.100.30	192.168.100.31	255.255.255.224 (/27)
2	192.168.100.32	192.168.100.33	192.168.100.62	192.168.100.63	255.255.255.224 (/27)
3	192.168.100.64	192.168.100.65	192.168.100.94	192.168.100.95	255.255.255.224 (/27)
4	192.168.100.96	192.168.100.97	192.168.100.126	192.168.100.127	255.255.255.224 (/27)
5	192.168.100.128	192.168.100.129	192.168.100.130	192.168.100.131	255.255.255.252 (/30)