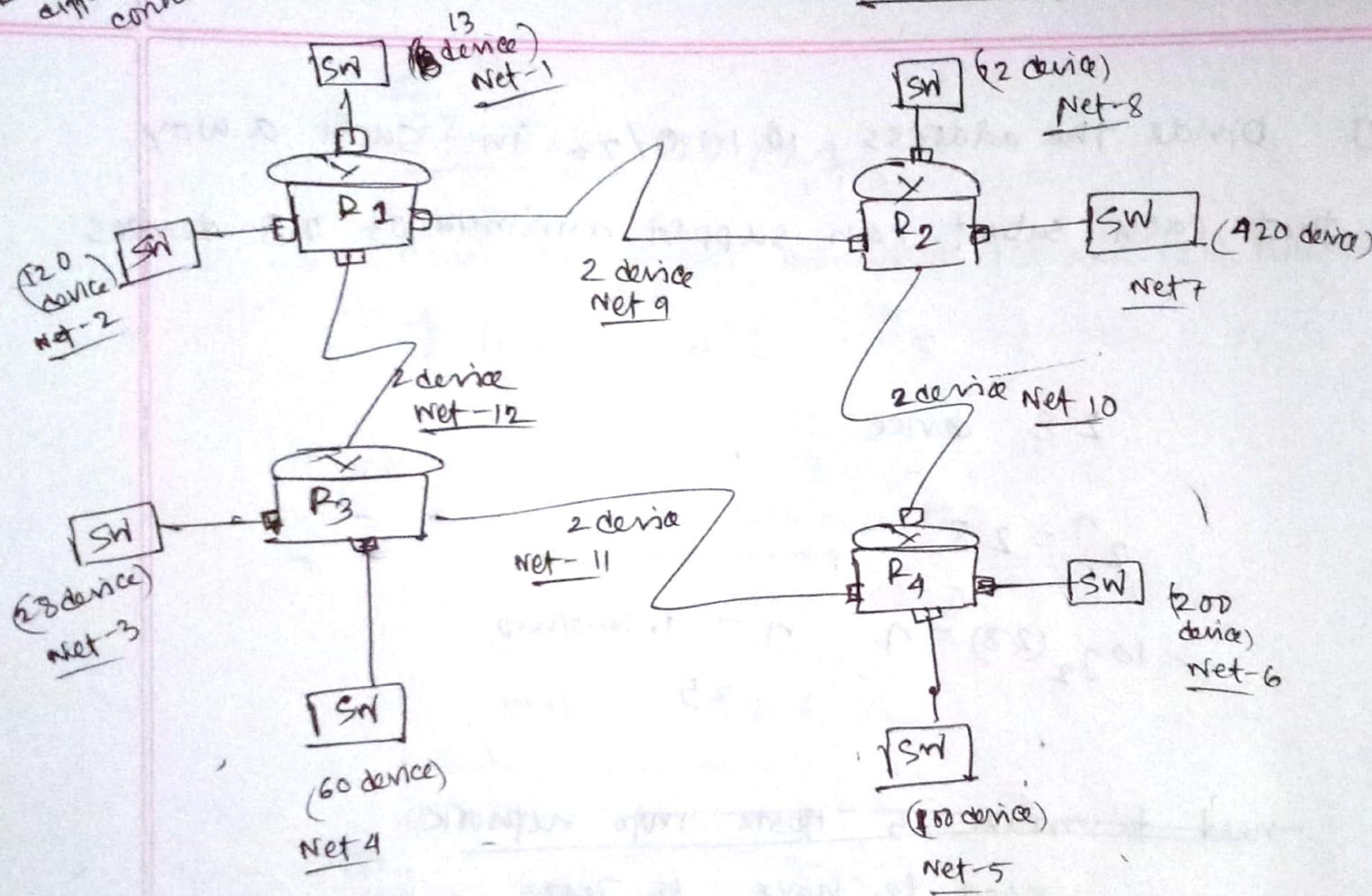


router port
interface
different networks are
connected in each interface

LAB - 4



192.168.10.0/24

192.168.11.0/24

172.16.0.0/16

					IP address	#assignable hosts
	suppose you have bought these 3 IP addresses, and you have 12 networks, each having				172.16.0.0 / 16	65536
	a number of devices.				192.168.10.0 / 24	256
					192.168.11.0 / 24	256
	> your task is to assign IP addresses to those devices					
order	net number	# devices	prefix / subnet mask	starting address	ending address	
7	1	13 + 2 (16)	255.255.255.240 or /28	172.16.2.96	172.16.2.111	
3	2	120 + 2 (128)	255.255.255.128 or /25	192.168.11.128	192.168.11.255	
6	3	28 + 2 (32)	255.255.255.224 or /27	172.16.2.64	172.16.2.95	
5	4	60 + 2 (64)	255.255.255.192 or /26	172.16.2.0	172.16.2.63	
2	5	100 + 2 (128)	255.255.255.128 or /25	192.168.11.0	192.168.11.127	
1	6	200 + 2 (256)	255.255.255.0 or /24	192.168.10.0	192.168.10.255	
4	7	420 + 2 (512)	255.255.254.0 or /23	172.16.0.0	172.16.1.255	
8	8	12 + 2 (16)	255.255.255.240 or /28	172.16.2.112	172.16.2.127	
9	9	2 + 2 (4)	255.255.255.252 or /30	172.16.2.128	172.16.2.131	
10	10	2 + 2 (4)	255.255.255.252 or /30	172.16.2.132	172.16.2.135	
11	11	2 + 2 (4)	255.255.255.252 or /30	172.16.2.136	172.16.2.139	
12	12	2 + 2 (4)	255.255.255.252 or /30	172.16.2.140	172.16.2.143	