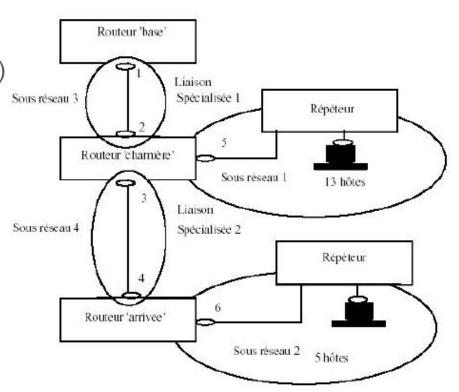
IP Networks Mini Project

Structure of network

- 4 subnetworks (Sous reséau)
- 2 dedicated links (Liaison specialisee)
- 3 routers (Routeur)
- repeaters (Répéteur)



Network Address	Mask	IP range	Broadcast Address
193.137.1.0	/27	193.137.1.1-193.137.1.30	193.137.1.31

Choice of IP addresses

Table that illustrates the summary of assignment of addresses to our subnets

Subnet name	Network ID	Mask	IP range	Usable hosts	Broadcast ID
Subnetwork 3	193.137.1.0	/30	193.137.1.1-193.137.1.2	2	193.137.1.3
Subnetwork 4	193.137.1.4	/30	193.137.1.5-193.137.1.6	2	193.137.1.7
Subnetwork 2	193.137.1.8	/29	193.137.1.9-193.137.1.14	6	193.137.1.15
Subnetwork 1	193.137.1.16	/28	193.137.1.17-193.137.1.30	14	193.137.1.31

Table 1: Routing table of any host in Subnetwork 1

Destination	Mask	Gateway
193.137.1.0	/30	charniere
193.137.1.4	/30	charniere
193.137.1.8	/29	charniere
0.0.0.0	/0	charniere

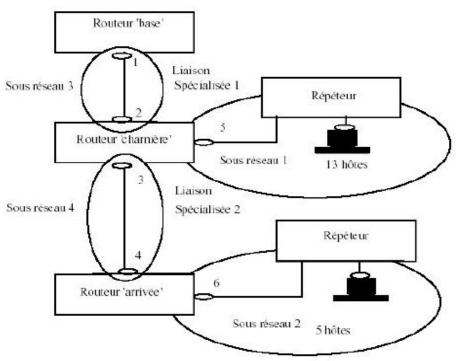


Table 2: Routing table of router 'base'

Destination	Mask	Gateway	Туре
193.137.1.16	/28	charniere	remote
193.137.1.8	/29	charniere	remote
193.137.1.0	/30	-	local
193.137.1.4	/30	charniere	remote
0.0.0.0	/0	charniere	-

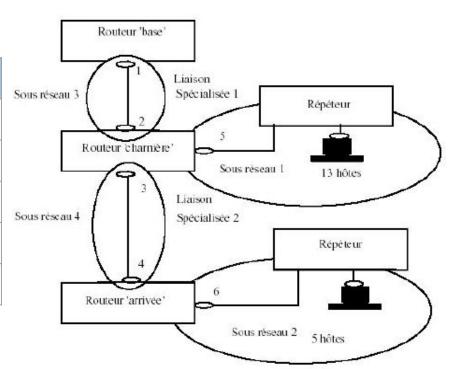


Table 3: Routing table of router 'charniere'

Destination	Mask	Gateway	Туре	Interface
193.137.1.16	/28	-	local	5
193.137.1.8	/29	arrival	remote	3
193.137.1.0	/30	-	local	2
193.137.1.4	/30	-	local	3
0.0.0.0	/0	base	-	2

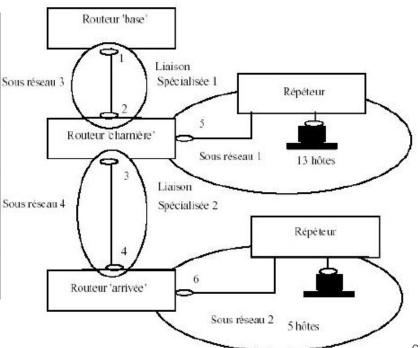


Table 4: Routing table of router 'arrivee'

Destination	Mask	Gateway	Туре	Interface
193.137.1.16	/28	charniere	remote	4
193.137.1.8	/29	-	local	6
193.137.1.0	/30	charniere	remote	4
193.137.1.4	/30	-	local	4
0.0.0.0	/0	charniere	-	4

