

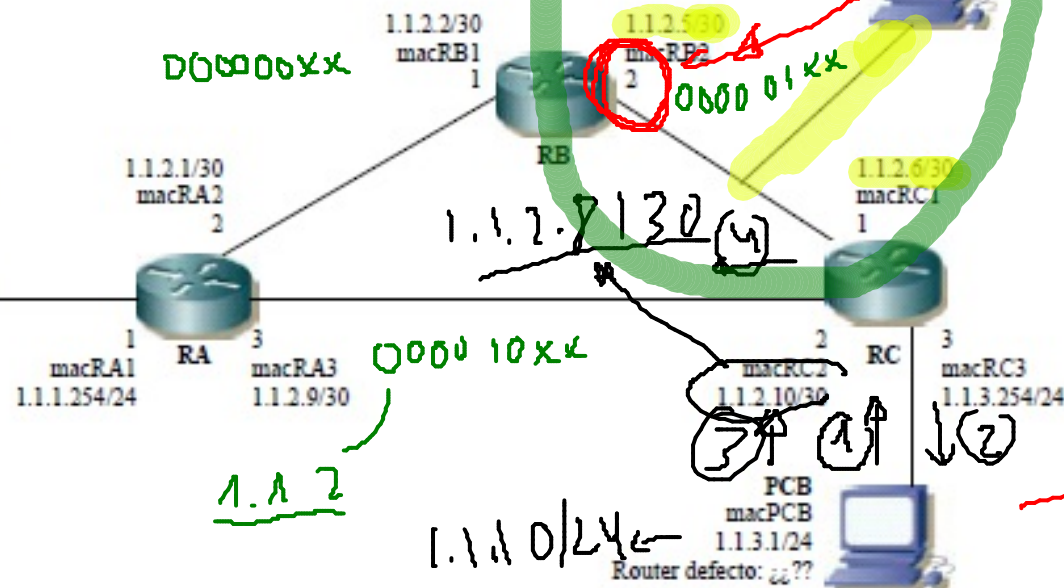
RC
1.1.2.8/30
1.1.3.0/24

1.1.2.11 → 0000 1011

⇒ BROADCAST DIRIGIDO

$3 \text{ IPs} \leq 2^n - 2 \quad n=3 \text{ bits}$
/29

PCA
macPC
1.1.1.1/255.255.255.0
Router defecto: 1.1.1.254



eth IP UDP

RA: tabla de rutas

Red	Interfaz	Sig. Salto
1.1.1.0/24	1	-
1.1.2.0/30	2	-
1.1.2.8/30	3	-
0.0.0.0/0	2	1.1.2.2

RB: tabla de rutas

Red	Interfaz	Sig. Salto
1.1.2.0/30	1	-
1.1.2.4/30	2	-
1.1.3.0/24	2	1.1.2.6
1.1.1.0/24	1	1.1.2.1

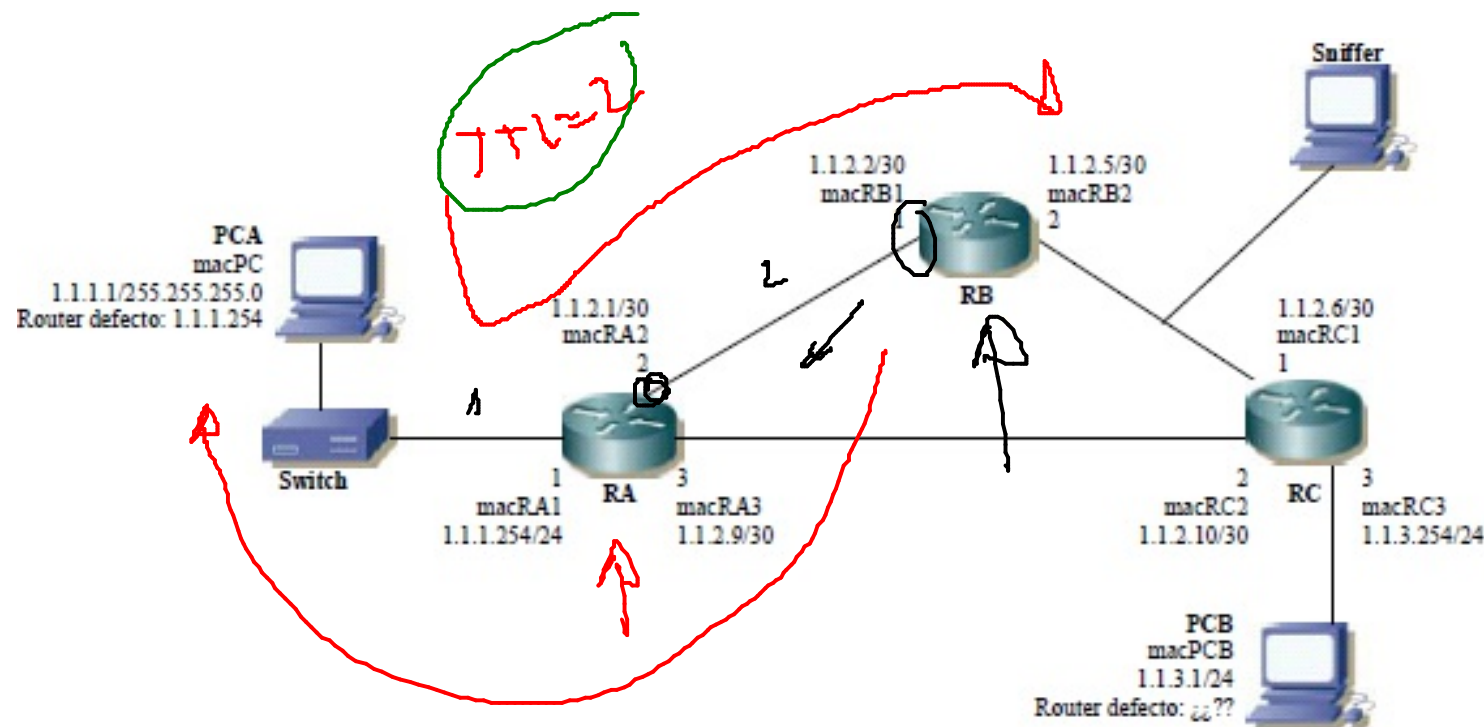
RC: tabla de rutas

Red	Interfaz	Sig. Salto
1.1.2.4/30	1	-
1.1.2.8/30	2	-
1.1.3.0/24	3	-
0.0.0.0/0	1	1.1.2.5

- j)
- | | MAC _o | MAC _n | IP _o | IP _n | TIPO |
|---|---------------------|---------------------|-----------------|-----------------|---------------------------------------|
| ① | MAC _B | FF:FF:.. | - | - | ARP _{REQ} IP _{RC,3} |
| ② | MAC _{RC,3} | MAC _B | - | - | ARP _{REP} " |
| ③ | MAC _B | MAC _{RC,3} | IP _B | 1.1.2.11 | UDP |
| ④ | MAC _{RC,2} | FF:FF:FF... | IP _B | 1.1.2.11 | |

1.1.2.0001/0xxx /29

1.0.0.0/22 → 1.0.0.0/29



MAC _o	MAC _d	IP _o	IP	TIPO
MACA	FF..	—	—	ARPreq IP _{RA,1}
MAC _{RA,1}	MACA	—	—	ARP rep "
1 MACA	MAC _{RA,1}	IP _A	IP _B	IP TTL=2
MAC _{RA,2}	FF..	—	—	ARP req IP _{RB,1} -1
MAC _{RB,1}	MAC _{RA,2}	—	—	ARP rep "
2 MAC _{RA,2}	MAC _{RB,1}	IP _A	IP _B	IP TTL=1
MAC _{RB,1} MAC _{RA,1}	MAC _{RA,2}	IP _{RB,1}	IP _A	TTL=0 → DESTIN- RB
	MACA	"	"	ICMP error TTL exceeded 64
				" " 63