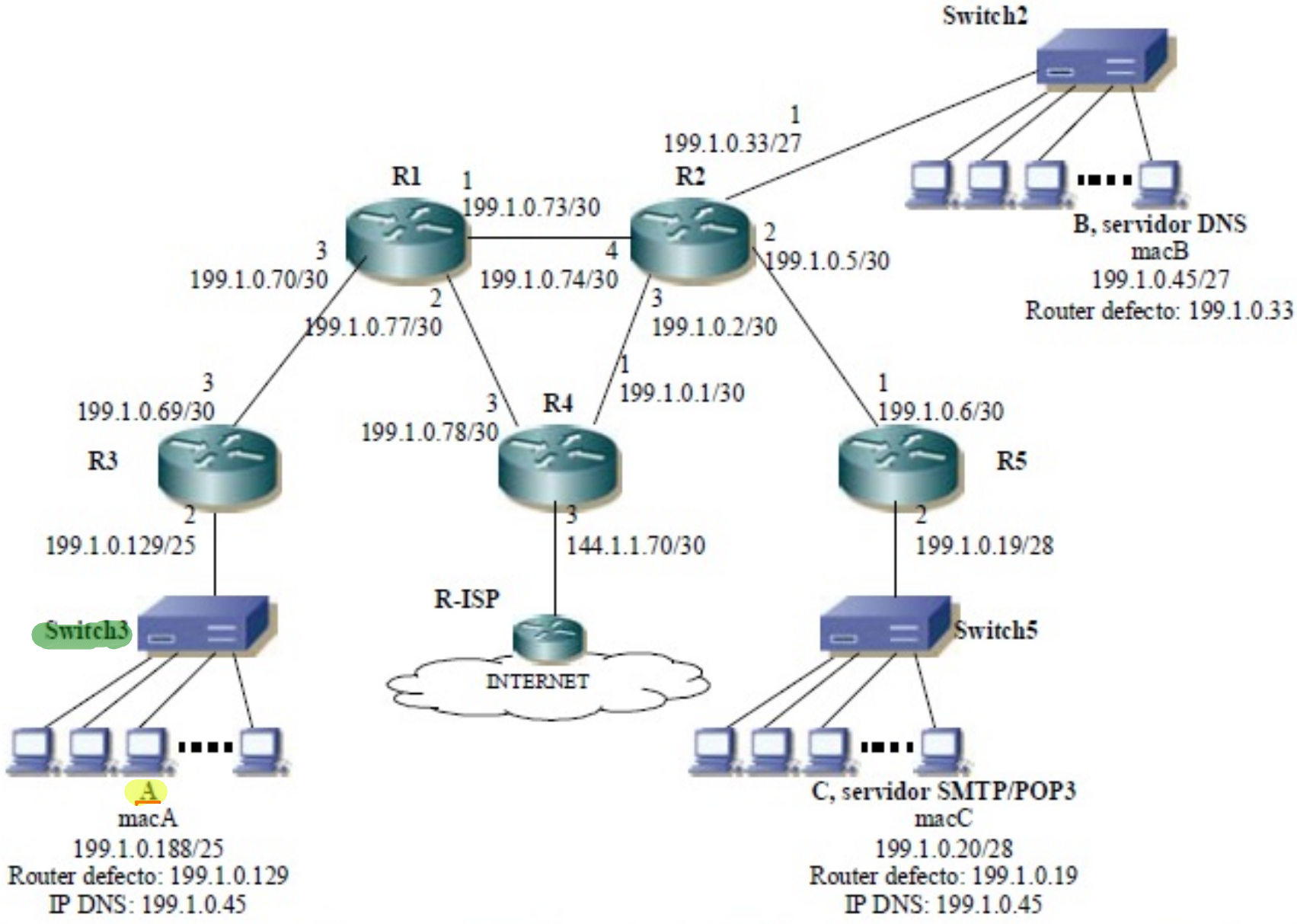


http://www.unavarra.es/test.html
imagen.JPG

4KB
2KB
HTTP1.1

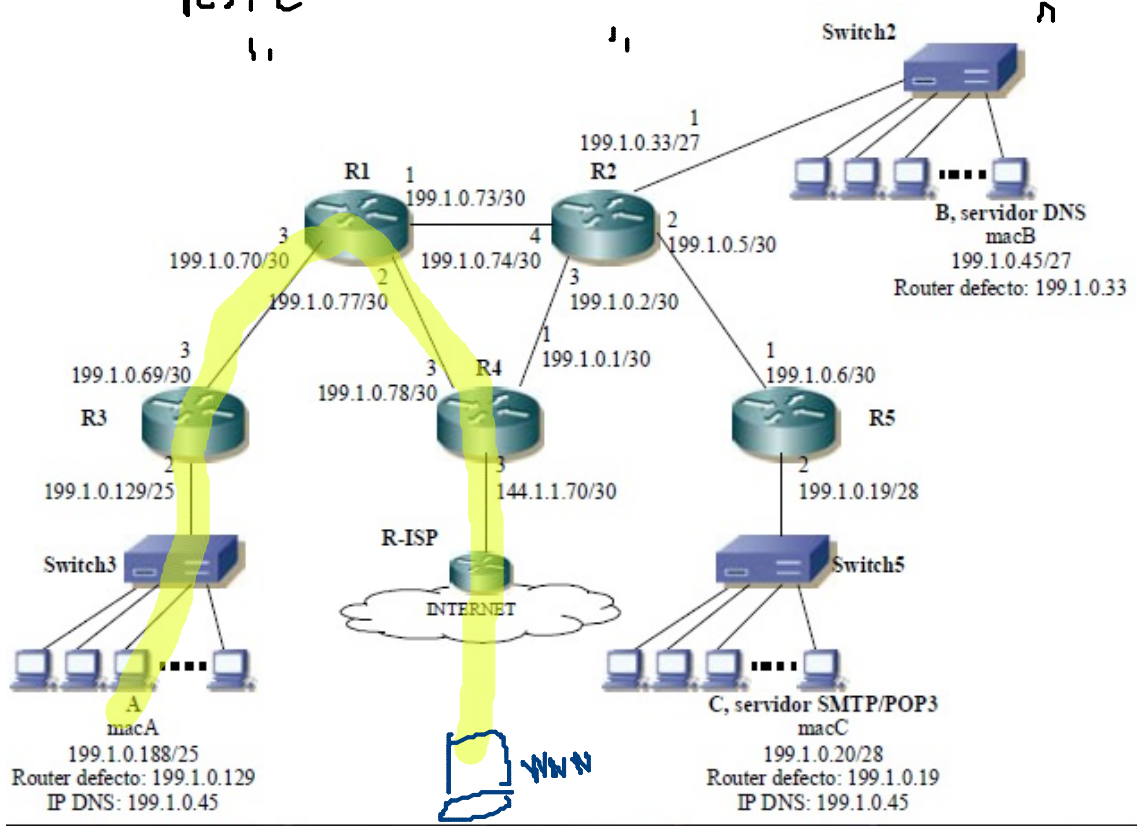
RTT 10ms
Sim.

Serv. Int exterior

HTTP
TCP :80
DNS unavarra.es → IP
ARP

MAC o	MAC d	IP o	IP d	PROTO
A R3,2	FF:F... A	— —	— —	ARP Req IP R3,2 Resp MAC R3,2
MAC A	MAC R3,2	A	B	UDP / DNS Req www.unavarra.es
MAC R3,2	A	B	A	" / " Resp IP www

MAC_O	MAC D	IP_O	IP D	PUERTO	
A	R3,2	ip A	IP www	TCP SYN	(puerto 80)
R3,2	A	ip www	ip A	TCP SYN+ACK	
A	R3,2	A	ip www	TCP ACK	
A	R3,2	A	ip www	HTTP GET /test.html HTTP 1.1	
R3,2	A	ipwww	A	{1:1461 DATOS TCP	
A	R3,2	A	www	ack 1461	
R3,2	A	www	A	{1461:2921	
"	"	"	"	2921:4097	
A	R3,2	A	www	ack 2921	
"	"	"	"	" 4097	
R3,2	"	"	"	GET /imagen.jpg HTTP 1.1	
"	"	"	A	{dato 1	
A	"	"	www	{dato 2	

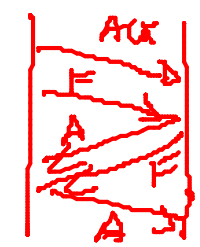


http://www.unavarra.es:20/...

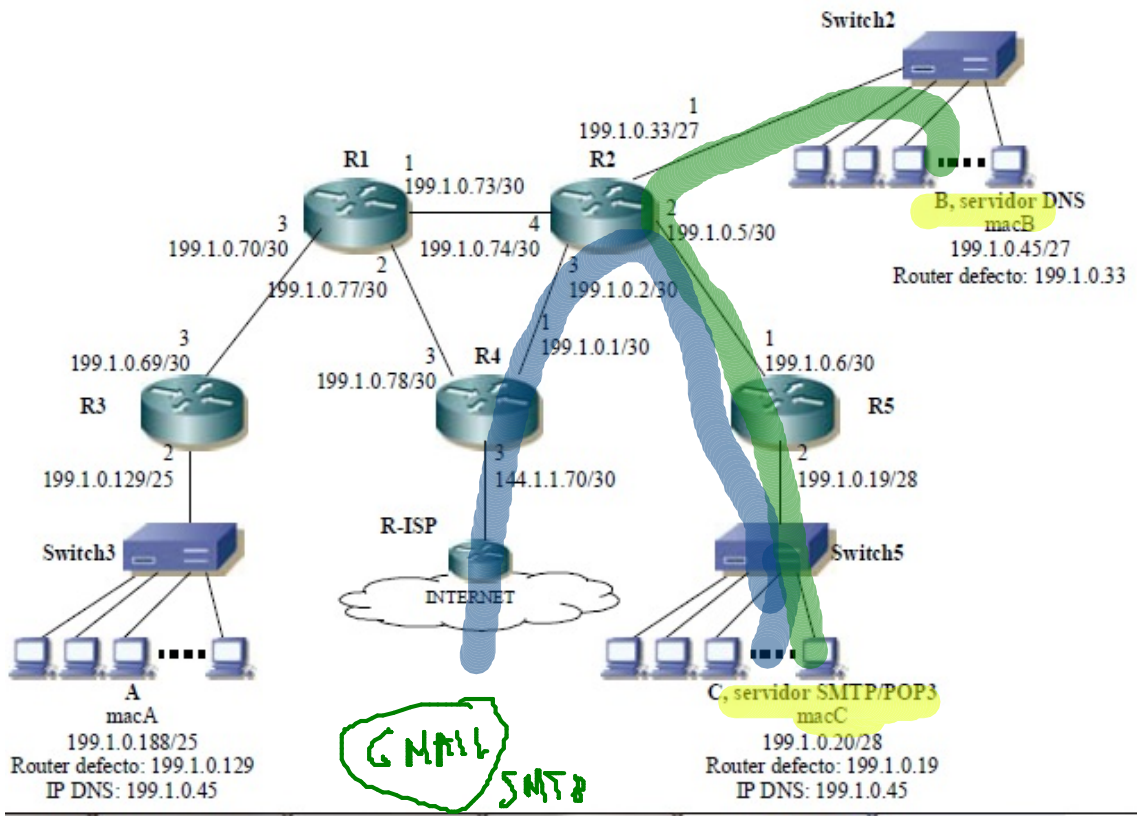
MSS 1460 =

$\frac{4KB}{1460} = \frac{4 \cdot 1024}{1460} = 2,80$

cwnd := 1 MSS



Segmento	ip C	tp S	TRANS.	APP.	DESCRIP
SW1- R2 -R5-SW5-C	B	C	TCP	SMTP	ENVIO EMAIL
SW5- R5-R2 - SW1	C	B	UDP	DNS	RECURS. MX gmail .com → IP MX
SW1 R2 R4 R1SP	B	ROOT SERV.	"	"	AUT. .com → IP com
"	B	IP com	"	"	AUT. gmail.com → IP GMAIL
"	B	IP GMAIL	"	"	MX gmail.com → IP MX
SW5 R5 R2 R4 R1SP	C	IP MX	TCP	SMTP	ENVIO EMAIL



shrek@gmail.com

SMTP
↳ TCP C → GMAIL
↳ DNS IP MX

SMTP
↳ TCP B → C