

Problem 5:

A)

N1 : 172.16.0.0/18	F1: 172.16.0.1	R1
N2 : 172.16.64.0/18	F2: 172.16.64.1	
N3 : 172.16.128.0/18	F3: 172.16.128.1	
N4 : 172.17.0.0/18	F4: 172.17.0.1	
N5 : 172.18.0.0/18	F1: 172.17.0.2	R2
N6 : 172.18.64.0/18	F2: 172.17.64.1	
DMZ : 172.17.64.0/18	t1: 172.17.0.1	
TUNEL: 192.168.0.0/24	F1: 172.17.0.1	R3
	F2: 172.18.64.1	
	t1: 192.168.0.1	

B)

R1	DESTINACIÓ	NETWORK	GATEWAY	INTERFACE	R2	DEST.	GATEWAY	INTERF.	R3	DEST.	GATE.	INTERF.
N1	*		*	F1	ISP1	*		PPP	ISP2	*		PPP
N2	*		*	F2	N4	*		F1	N5	*		F1
N3	*		*	F3	DMZ	*		F2	N6	*		F2
N4	*		*	F4	TUNEL	*		t1	TUNEL	*		t1
DMZ		R2-F1		F4	P1	R2-F4		F2	P2	R2-t1		t1
TUNEL		R2-F2		F4	P3	R3-F1		t1	P1	R2-t1		t1
P3		R2-F1		F4	O/O	ISP1		PPP	O/O	R2-t1		t1
O/O		R2-F2		F4								

C)

P)	ROUTER	PROTOCOL (TCP/UDP)	ADREÇA FONT	ADREÇA DESTÍ	TIPUS CANVI	CANVIA A	PORT
	R2	TCP	N1	ANY	SNAT	80.0.0.20	ANY
	R2	TCP	DMZ	ANY	SNAT	80.0.0.10	ANY
	R2	TCP	N5	ANY	SNAT	80.0.0.10	ANY
	R2	TCP	ANY	80.0.0.10	DNAT	172.17.64.2	80
	R2	TCP	ANY	80.0.0.10	DNAT	172.17.64.3	25
	R2	UDP	ANY	80.0.0.10	DNAT	172.17.64.4	53

P.D.: I've only "understood" part A. ~~the other part~~ The rest is from the solutions, which i've tried to decipher but didn't really managed to do so, nevertheless i have written them down.