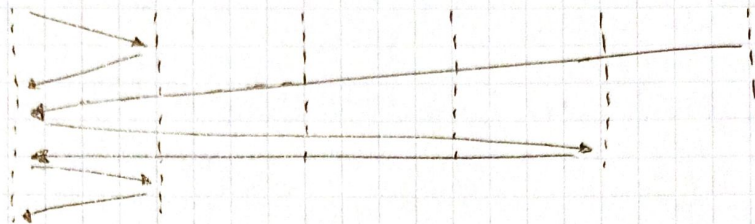


Entrega XC

a)

1)
2)
3)
4)



Port

$$b) 4.5 + 2 \cdot 20 + 2 \cdot 15 = \underline{90ms}$$

DNS	client	ns.upc.edu	A?	w.d1.eu	5
"	ns.upc.edu	root	A?	"	20
"	root	ns.upc	A	"	20
"	ns.upc	ns.eu	A?	"	15
	ns.eu	ns.upc.edu	A	"	15
	ns.upc.edu	ns.d1.eu	A?	"	5
	ns.d1.eu	ns.upc.edu	A	"	5
	ns.upc.edu	client	A	"	5

c)

client	w.d1	sync	10
w.d1	client	ack s	10
client	w.d1	get ?	"
w.d1	client	get ?	"
client	w.d1	get ?	"
w.d1	client	get	" + 10
client	ns.upc	A?	5
ns.upc	ns.edu	A?	15
ns.edu	ns.upc	A	15
ns.upc	ns.d2	A?	10
ns.d2	ns.upc	A	10
ns.upc	client	A	5
client	w.d2	sync	15
w.d2	client	ack s	15
client	w.d2	get ?	15
w.d2	client	get	15 + 10

$$d) \overset{8}{10} \cdot 10 + 2 \cdot 5 + \overset{4}{8} \cdot 15 = \underline{150ms}$$