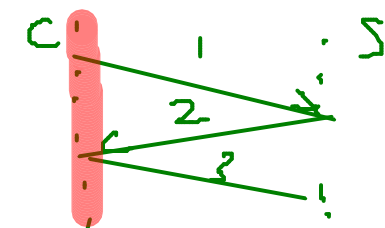


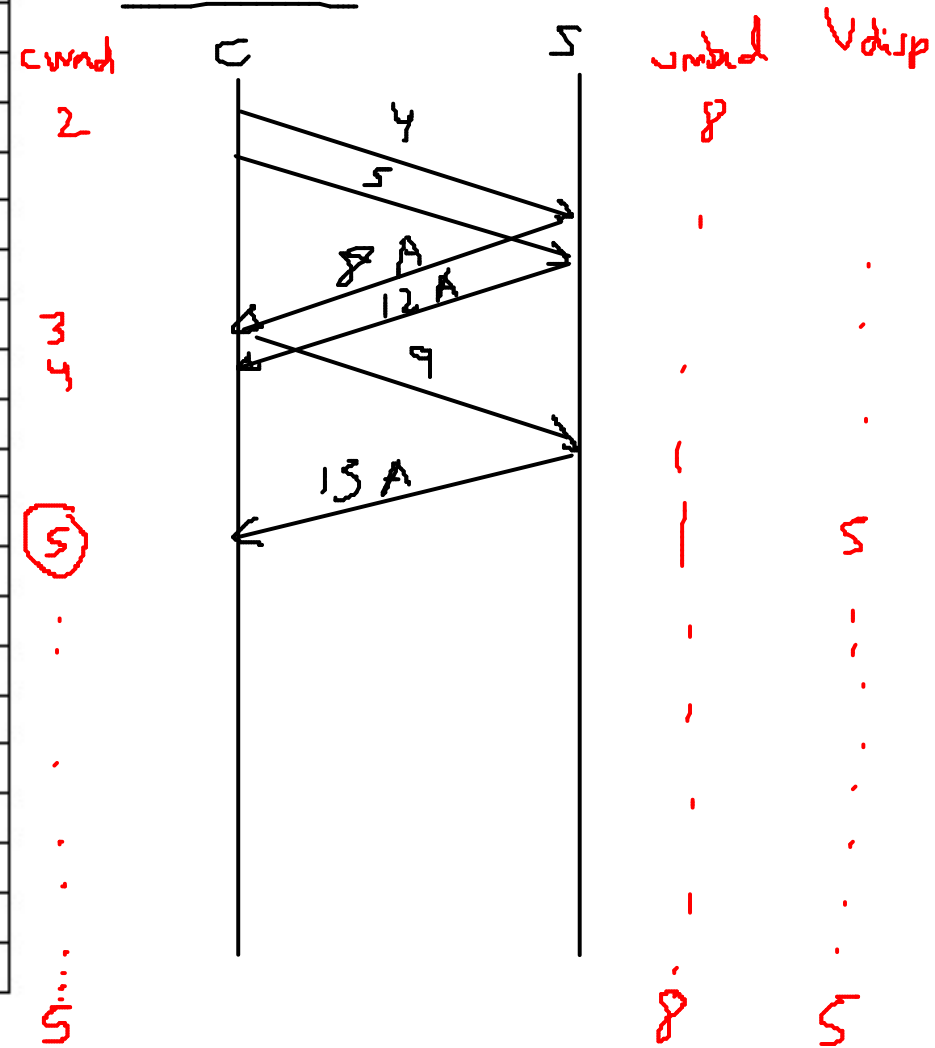
Nº paq	Tiempo (sg)	Paquete
1	0,000000	2.2.2.2.2222 > 3.3.3.3.3333: S 34244:34244 (0) win 14600 <mss 1460>
2	0,050000	3.3.3.3.3333 > 2.2.2.2.2222: S 882:882 (0) ack 1 win 14600 <mss 1460>
3	0,050604	2.2.2.2.2222 > 3.3.3.3.3333: . ack 1 win 14600
4	0,051208	2.2.2.2.2222 > 3.3.3.3.3333: P 1:1461(1460) ack 1 win 14600
5	0,065493	2.2.2.2.2222 > 3.3.3.3.3333: P 1461:2921(1460) ack 1 win 14600
6	0,100604	3.3.3.3.3333 > 2.2.2.2.2222: P 1:1461(1460) ack 1 win 14600
7	0,101208	2.2.2.2.2222 > 3.3.3.3.3333: . ack 1461 win 13140
8	0,101210	3.3.3.3.3333 > 2.2.2.2.2222: . ack 1461 win 14600
9	0,101812	2.2.2.2.2222 > 3.3.3.3.3333: P 2921:4300 (1379) ack 1 win 13140
10	0,114890	3.3.3.3.3333 > 2.2.2.2.2222: P 1461:2921(1460) ack 1461 win 14600
11	0,115493	2.2.2.2.2222 > 3.3.3.3.3333: ack 2921 win 11680
12	0,115494	3.3.3.3.3333 > 2.2.2.2.2222: . ack 2921 win 14600
13	0,129175	3.3.3.3.3333 > 2.2.2.2.2222: P 2921:4381(1460) ack 2921 win 14600
14	0,129779	2.2.2.2.2222 > 3.3.3.3.3333: . ack 4381 win 10220
15	0,151112	3.3.3.3.3333 > 2.2.2.2.2222: . ack 4300 win 14600
16	0,151208	3.3.3.3.3333 > 2.2.2.2.2222: P 4381:5841(1460) ack 4300 win 14600
17	0,151812	2.2.2.2.2222 > 3.3.3.3.3333: . ack 5841 win 13140
18	0,165493	3.3.3.3.3333 > 2.2.2.2.2222: P 5841:7301(1460) ack 4300 win 14600
19	0,166097	2.2.2.2.2222 > 3.3.3.3.3333: . ack 7301 win 11680
20	0,179779	3.3.3.3.3333 > 2.2.2.2.2222: P 7301:8761 (1460) ack 4300 win 14600
21	0,180383	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 10220
22	0,201812	3.3.3.3.3333 > 2.2.2.2.2222: P 13141:14601(1460) ack 4300 win 14600
23	0,202416	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 13140
24	0,216097	3.3.3.3.3333 > 2.2.2.2.2222: P 14601:16061(1460) ack 4300 win 14600
25	0,216701	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 11680
26	0,230383	3.3.3.3.3333 > 2.2.2.2.2222: P 16061:17521(1460) ack 4300 win 14600
27	0,230987	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 10220



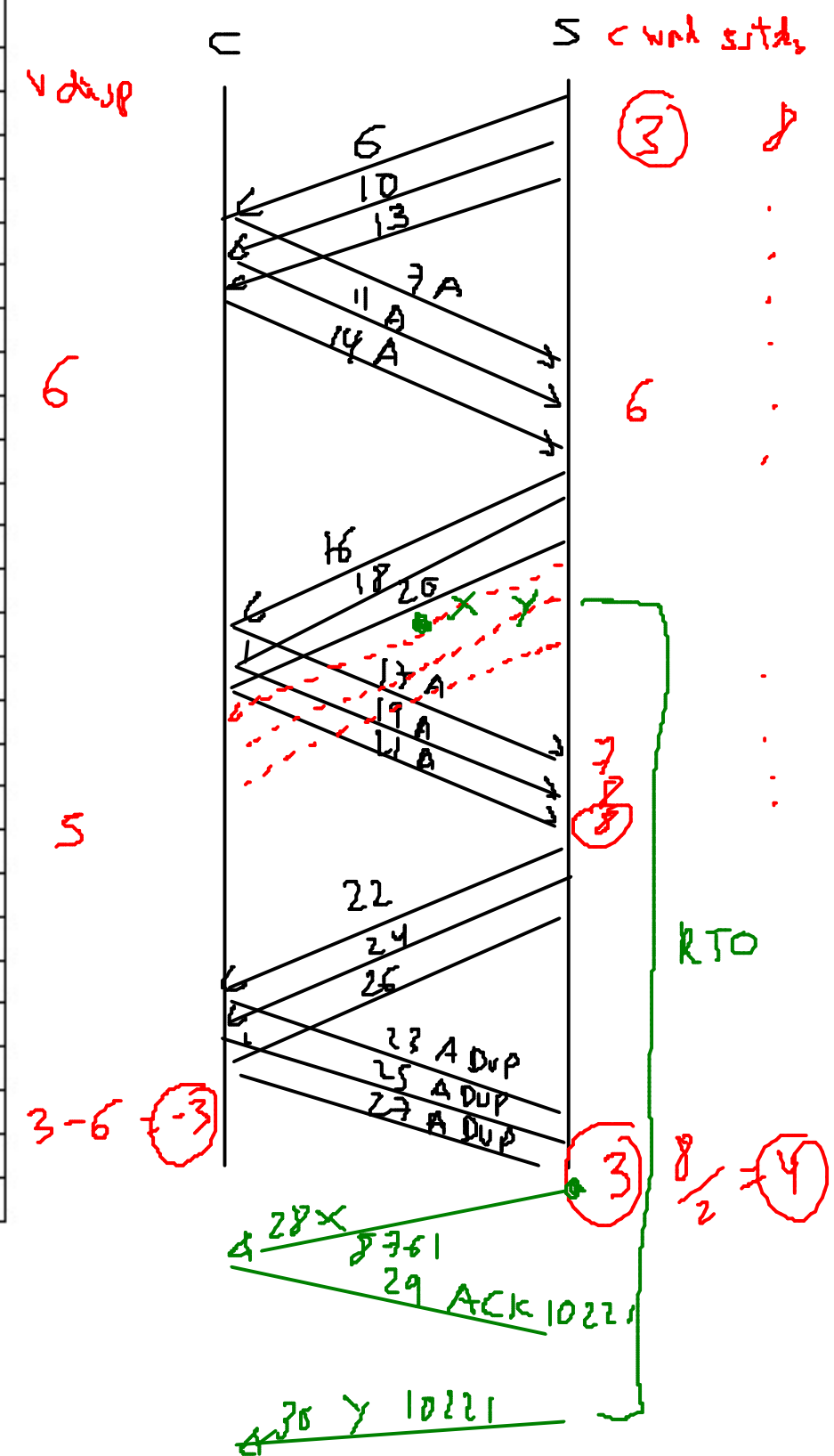
7299 bytes

$$N_{rec}(18) = 5841 + 882 = 6723$$

CLIENTE



Nº paq	Tiempo (sg)	Paquete
1	0,000000	2.2.2.2.2222 > 3.3.3.3.3333: S 34244:34244 (0) win 14600 <mss 1460>
2	0,050000	3.3.3.3.3333 > 2.2.2.2.2222: S 882:882 (0) ack 1 win 14600 <mss 1460>
3	0,050604	2.2.2.2.2222 > 3.3.3.3.3333: . ack 1 win 14600
4	0,051208	2.2.2.2.2222 > 3.3.3.3.3333: P 1:1461(1460) ack 1 win 14600
5	0,065493	2.2.2.2.2222 > 3.3.3.3.3333: P 1461:2921(1460) ack 1 win 14600
6	0,100604	3.3.3.3.3333 > 2.2.2.2.2222: P 1:1461(1460) ack 1 win 14600
7	0,101208	2.2.2.2.2222 > 3.3.3.3.3333: . ack 1461 win 13140
8	0,101210	3.3.3.3.3333 > 2.2.2.2.2222: . ack 1461 win 14600
9	0,101812	2.2.2.2.2222 > 3.3.3.3.3333: P 2921:4300 (1379) ack 1 win 13140
10	0,114890	3.3.3.3.3333 > 2.2.2.2.2222: P 1461:2921(1460) ack 1461 win 14600
11	0,115493	2.2.2.2.2222 > 3.3.3.3.3333: ack 2921 win 11680
12	0,115494	3.3.3.3.3333 > 2.2.2.2.2222: . ack 2921 win 14600
13	0,129175	3.3.3.3.3333 > 2.2.2.2.2222: P 2921:4381(1460) ack 2921 win 14600
14	0,129779	2.2.2.2.2222 > 3.3.3.3.3333: . ack 4381 win 10220
15	0,151112	3.3.3.3.3333 > 2.2.2.2.2222: . ack 4300 win 14600
16	0,151208	3.3.3.3.3333 > 2.2.2.2.2222: P 4381:5841(1460) ack 4300 win 14600
17	0,151812	2.2.2.2.2222 > 3.3.3.3.3333: . ack 5841 win 13140
18	0,165493	3.3.3.3.3333 > 2.2.2.2.2222: P 5841:7301(1460) ack 4300 win 14600
19	0,166097	2.2.2.2.2222 > 3.3.3.3.3333: . ack 7301 win 11680
20	0,179779	3.3.3.3.3333 > 2.2.2.2.2222: P 7301:8761 (1460) ack 4300 win 14600
21	0,180383	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 10220
22	0,201812	3.3.3.3.3333 > 2.2.2.2.2222: P 13141:14601(1460) ack 4300 win 14600
23	0,202416	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 13140
24	0,216097	3.3.3.3.3333 > 2.2.2.2.2222: P 14601:16061(1460) ack 4300 win 14600
25	0,216701	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 11680
26	0,230383	3.3.3.3.3333 > 2.2.2.2.2222: P 16061:17521(1460) ack 4300 win 14600
27	0,230987	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 10220



d) $V \Rightarrow 3 \text{ MSS}$ $\frac{8 \cdot 1514}{0,05} = 726 \text{ kbps}$

e)

Nº paq	Tiempo (sg)	Paquete
1	0,000000	2.2.2.2.2222 > 3.3.3.3.3333: S 34244:34244 (0) win 14600 <mss 1460>
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3	0,050604	2.2.2.2.2222 > 3.3.3.3.3333: . ack 1 win 14600
4	0,051208	2.2.2.2.2222 > 3.3.3.3.3333: P 1:1461(1460) ack 1 win 14600
5	0,065493	2.2.2.2.2222 > 3.3.3.3.3333: P 1461:2921(1460) ack 1 win 14600
6	0,100604	3.3.3.3.3333 > 2.2.2.2.2222: P 1:1461(1460) ack 1 win 14600
7	0,101208	2.2.2.2.2222 > 3.3.3.3.3333: . ack 1461 win 13140
8	0,101210	3.3.3.3.3333 > 2.2.2.2.2222: . ack 1461 win 14600
9	0,101812	2.2.2.2.2222 > 3.3.3.3.3333: P 2921:4300 (1379) ack 1 win 13140
10	0,114890	3.3.3.3.3333 > 2.2.2.2.2222: P 1461:2921(1460) ack 1461 win 14600
11	0,115493	2.2.2.2.2222 > 3.3.3.3.3333: ack 2921 win 11680
12	0,115494	3.3.3.3.3333 > 2.2.2.2.2222: . ack 2921 win 14600
13	0,129175	3.3.3.3.3333 > 2.2.2.2.2222: P 2921:4381(1460) ack 2921 win 14600
14	0,129779	2.2.2.2.2222 > 3.3.3.3.3333: . ack 4381 win 10220
15	0,151112	3.3.3.3.3333 > 2.2.2.2.2222: . ack 4300 win 14600
16	0,151208	3.3.3.3.3333 > 2.2.2.2.2222: P 4381:5841(1460) ack 4300 win 14600
17	0,151812	2.2.2.2.2222 > 3.3.3.3.3333: . ack 5841 win 13140
18	0,165493	3.3.3.3.3333 > 2.2.2.2.2222: P 5841:7301(1460) ack 4300 win 14600
19	0,166097	2.2.2.2.2222 > 3.3.3.3.3333: . ack 7301 win 11680
20	0,179779	3.3.3.3.3333 > 2.2.2.2.2222: P 7301:8761 (1460) ack 4300 win 14600
21	0,180383	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 10220
22	0,201812	3.3.3.3.3333 > 2.2.2.2.2222: P 13141:14601(1460) ack 4300 win 14600
23	0,202416	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 13140
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19	0,166097	2.2.2.2.2222 > 3.3.3.3.3333: . ack 7301 win 11680
20	0,179779	3.3.3.3.3333 > 2.2.2.2.2222: P 7301:8761 (1460) ack 4300 win 14600
21	0,180383	2.2.2.2.2222 > 3.3.3.3.3333: . ack 8761 win 10220
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