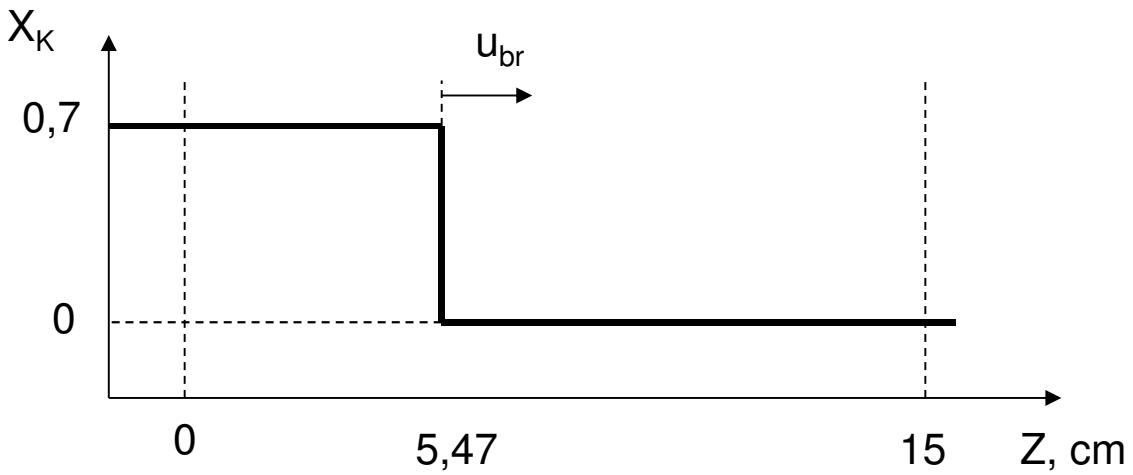
C Cl = 0			C Cl = 0,01		
C Na	C H (ec [5])	C Na res [6]	C Na	C H (ec [5])	C Na res [6]
1	9,992E-15	2,0000	1	1,0103E-14	2,000000
0,1	1E-13	2,0000	0,1	1,1111E-13	2,000000
0,01	1E-12	2,0000	0,01	0,0000001	1,999987
0,001	1E-11	2,0000	0,001	0,009	0,292220
0,0001	1E-10	2,0000	0,0001	0,0099	0,030635
0,00001	9,999E-10	1,9999	0,00001	0,00999	0,003078
0,000001	9,902E-09	1,9872	0,000001	0,009999	0,000308
0,0000001	6,1803E-08	1,4272	0,0000001	0,0099999	0,000031
0,00000001	9,5125E-08	0,2787	0,00000001	0,00999999	0,000003
1E-09	9,9501E-08	0,0305	1E-09	0,01	0,000000
1E-10	9,995E-08	0,0031	1E-10	0,01	0,000000
			0,002	0,008	0,555957
			0,004	0,006	1,013158
			0,02	1E-12	2,000000
			0,04	3,3333E-13	2,000000
			0,06	2E-13	2,000000
			0,08	1,4286E-13	2,000000

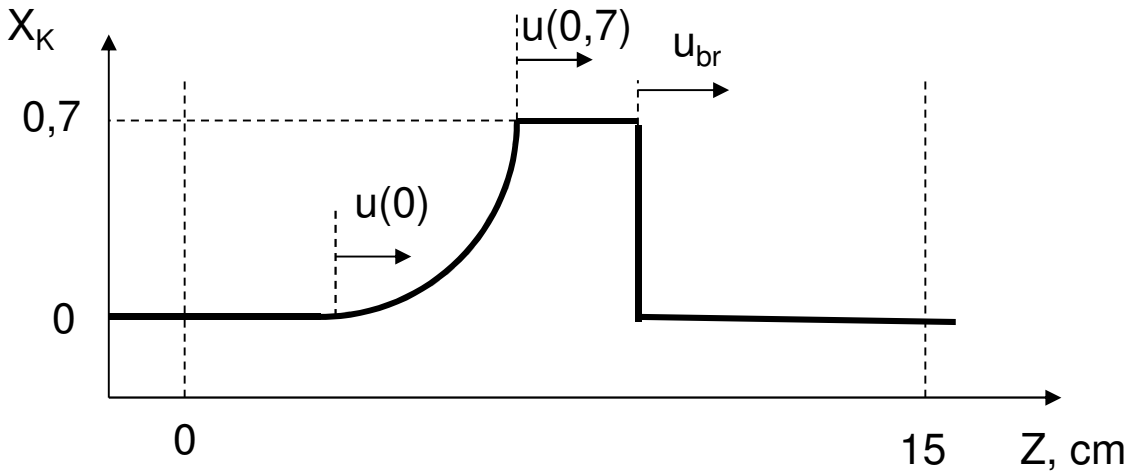
Figs. Ejercicio 12

Etapa 1. C = 2 N. Disol. Con x_K = 0,7. t = 15 min

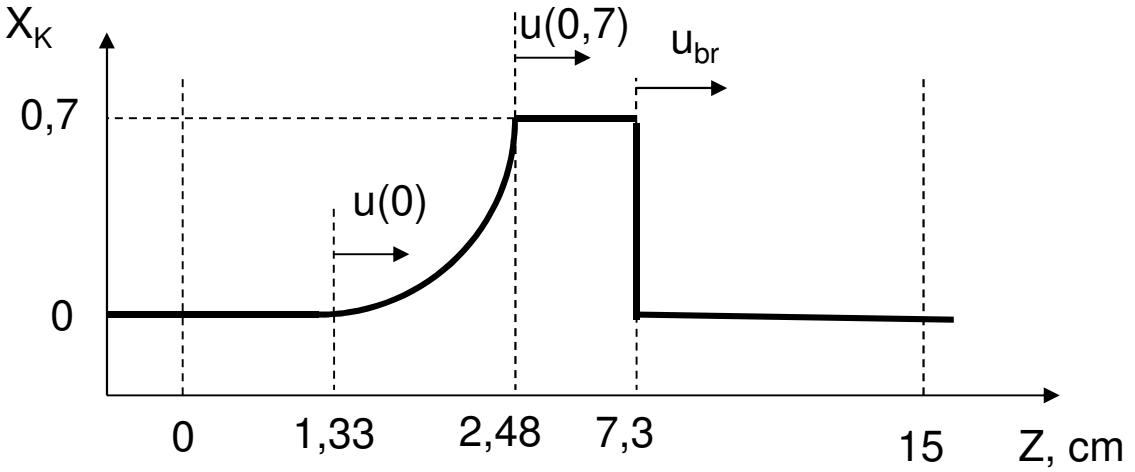


Etapa 2. Disol. De NaCl C = 0,2 N. t = 5 min

Figs. Ejercicio 12 (cont.)

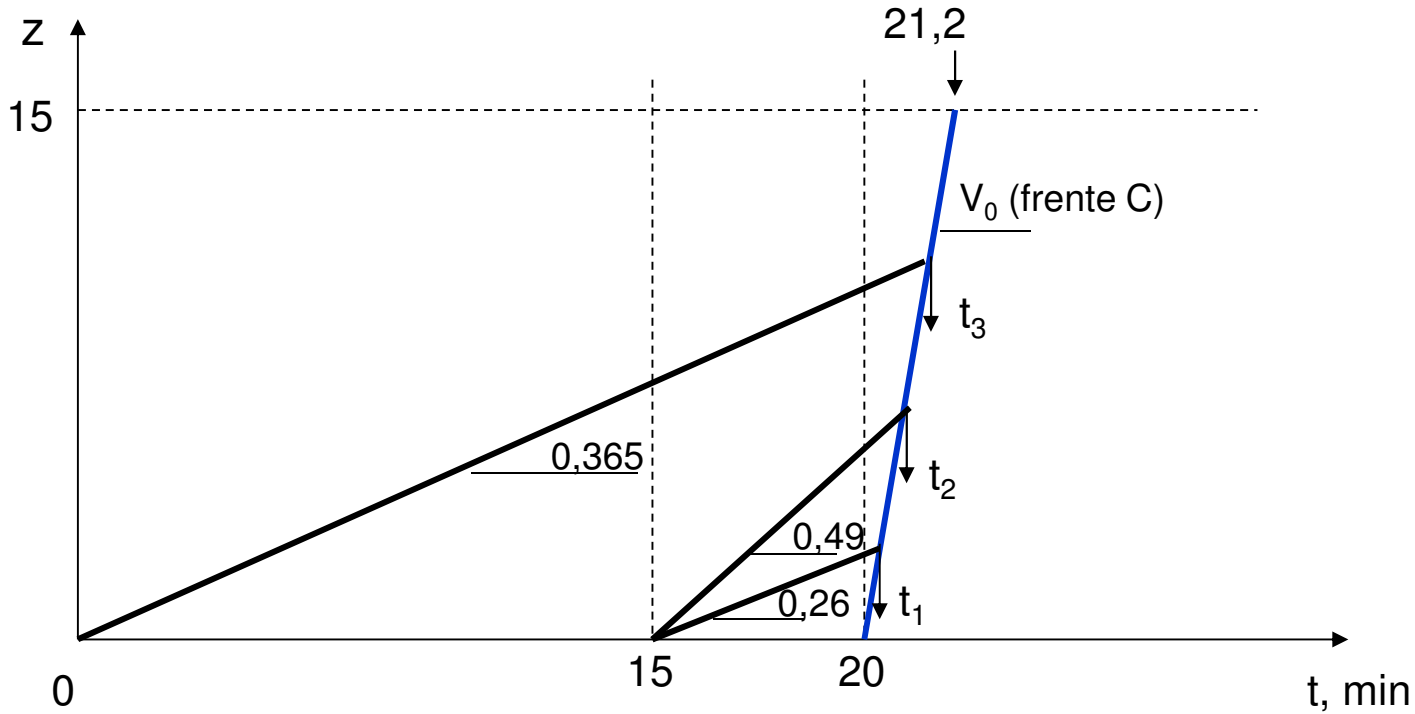


u(0,7) = 0,497 cm/min
u(0,0) = 0,267 cm/min
Posiciones al cabo de 5 min
(15+5 desde el comienzo)

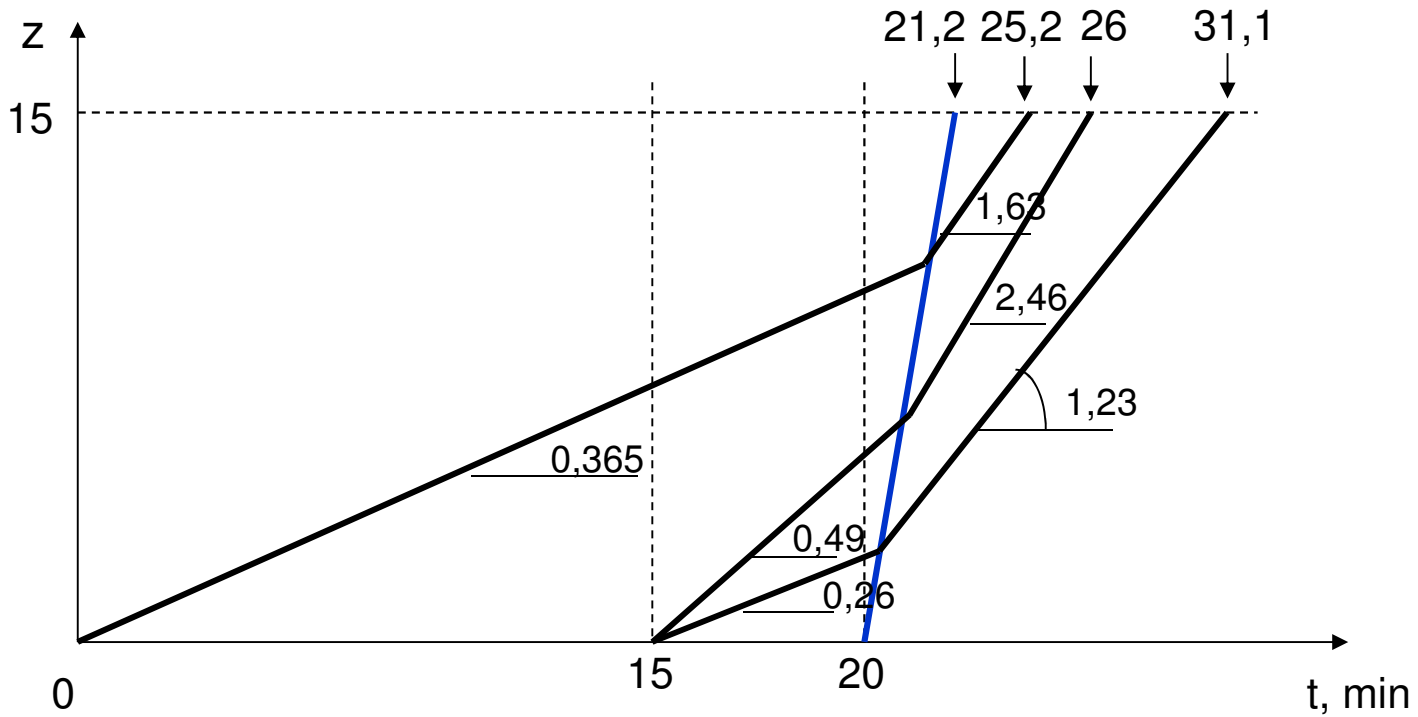


Etapa 3: Disol. de NaCl C = 1,0 N. t > 20 min

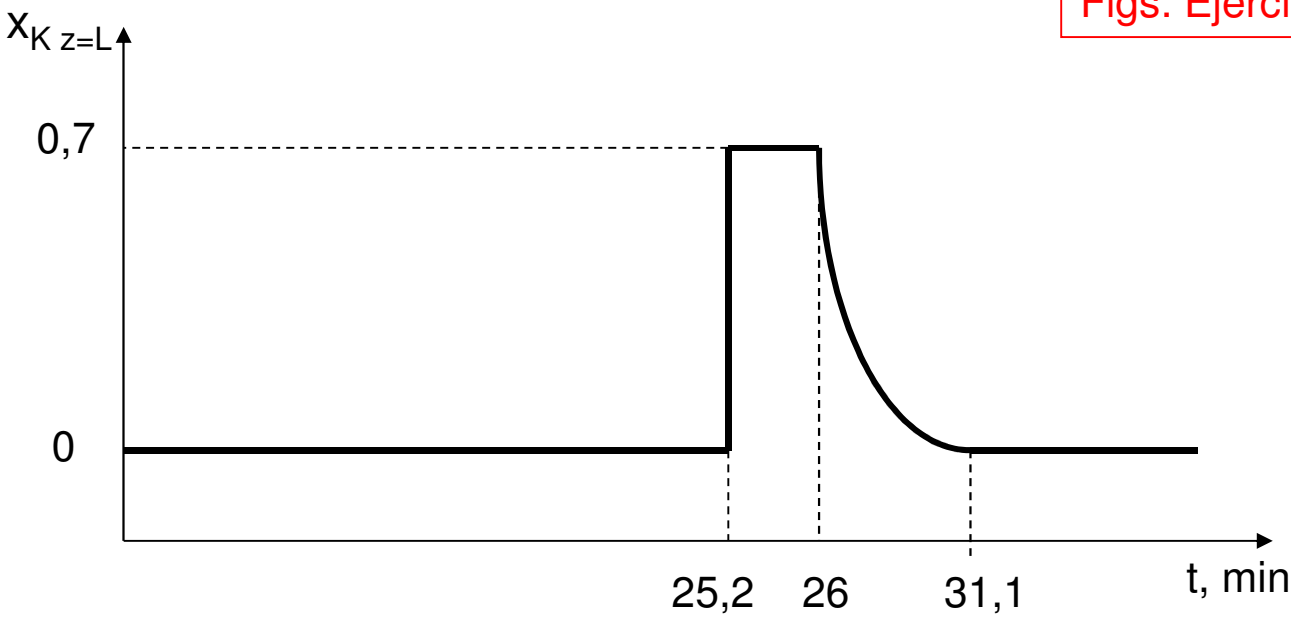
Figs. Ejercicio 12 (cont.)

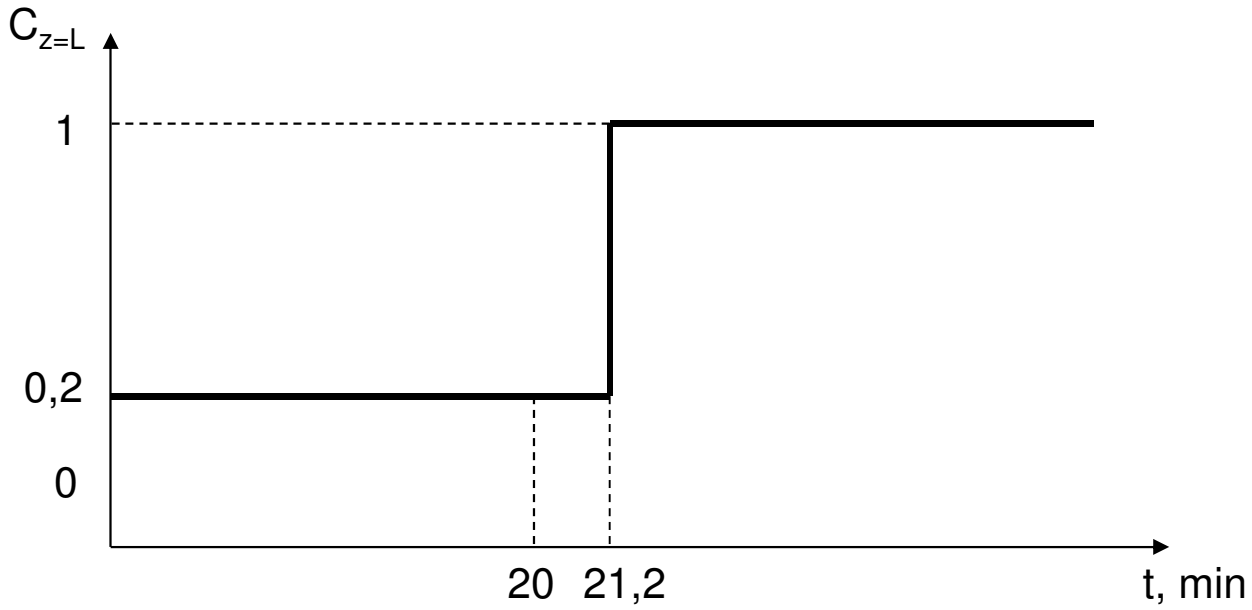


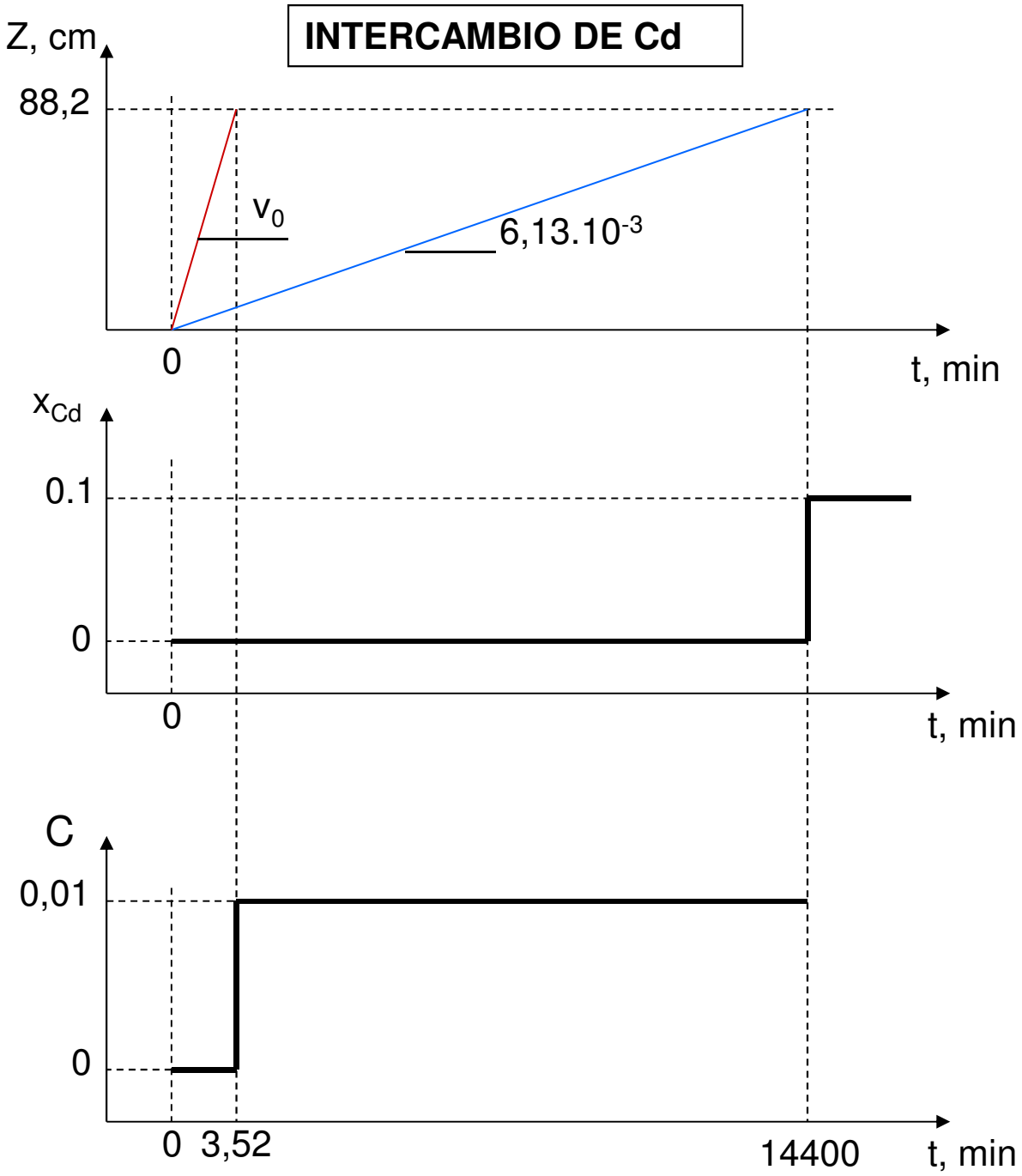
Figs. Ejercicio 12 (cont.)



Figs. Ejercicio 12 (cont.)



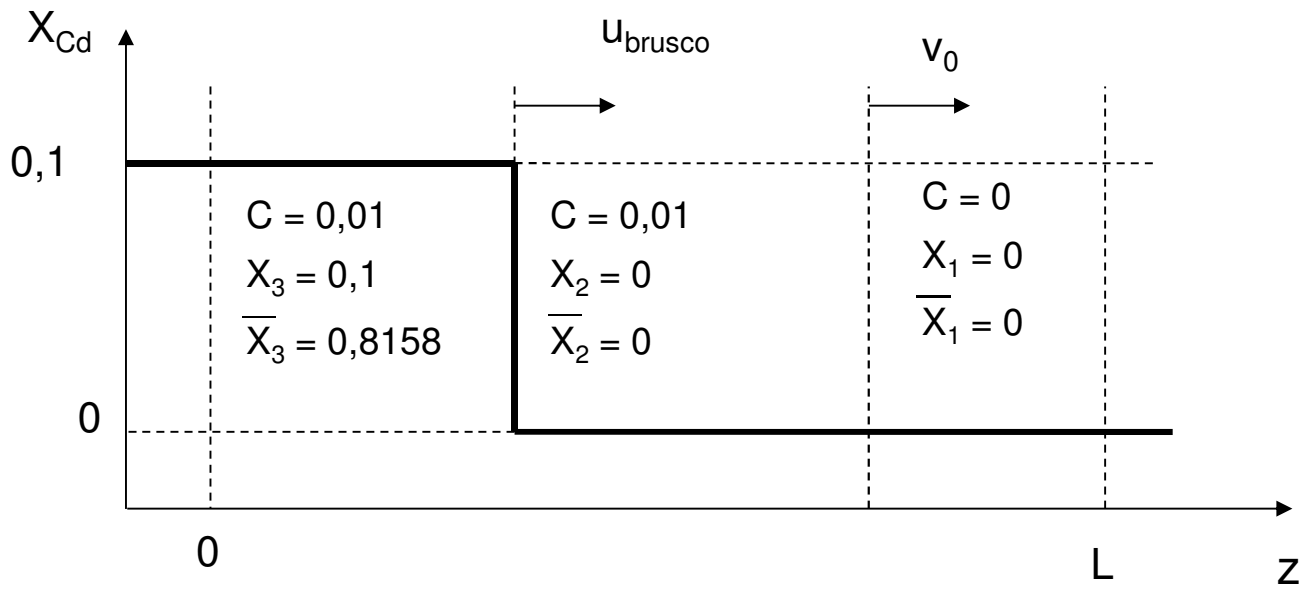




Figs. Ejercicio 13

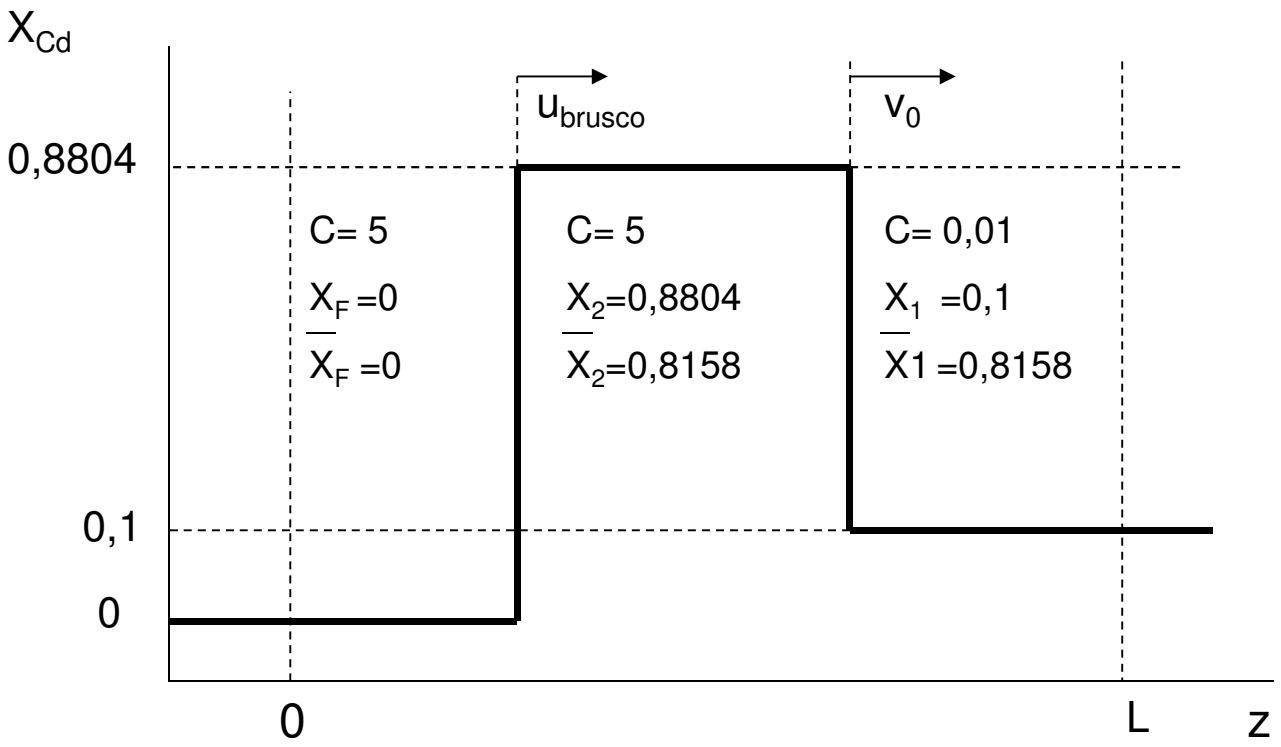
Figs. Ejercicio 13 (cont.)

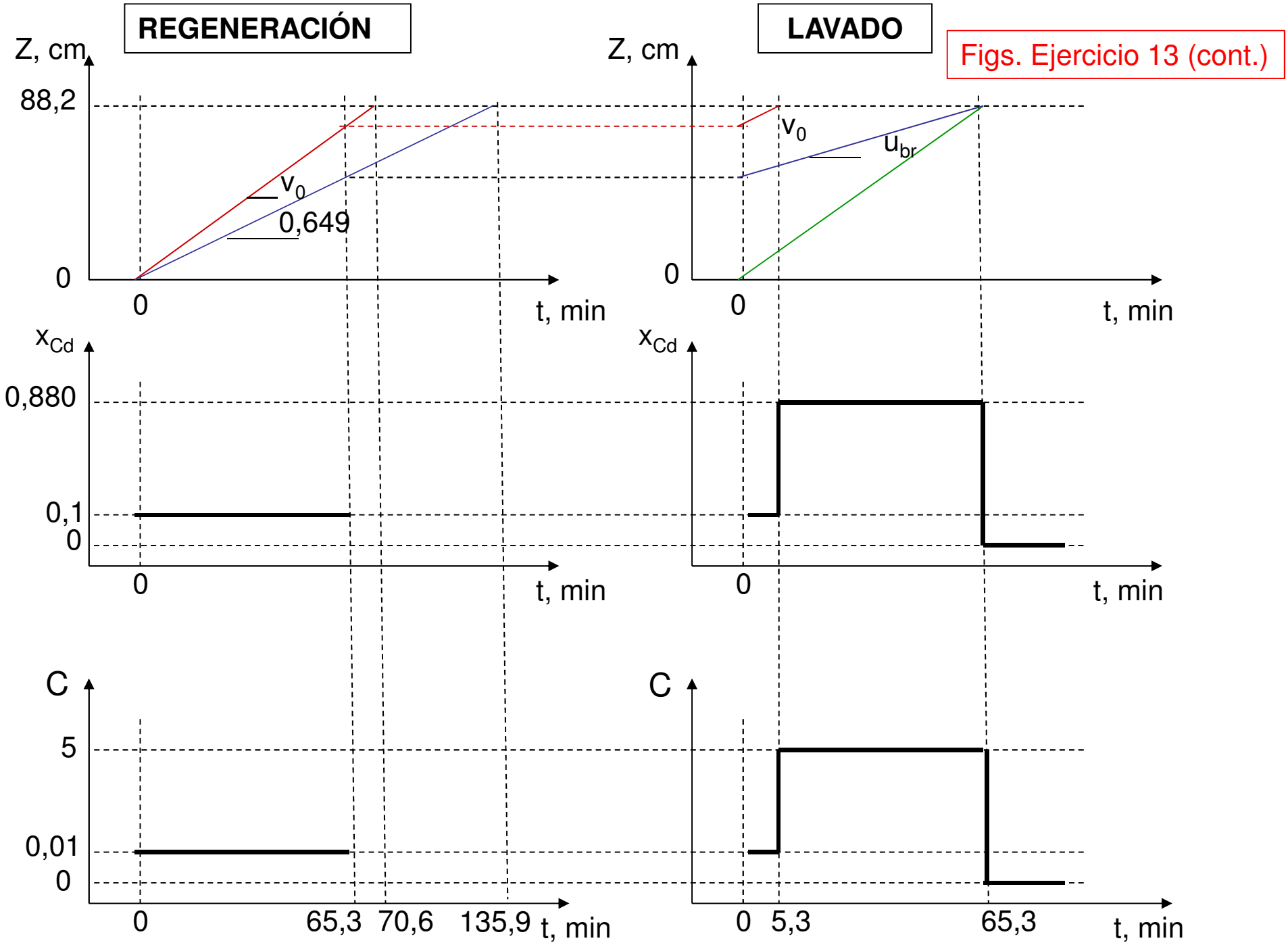
INTERCAMBIO DE Cd



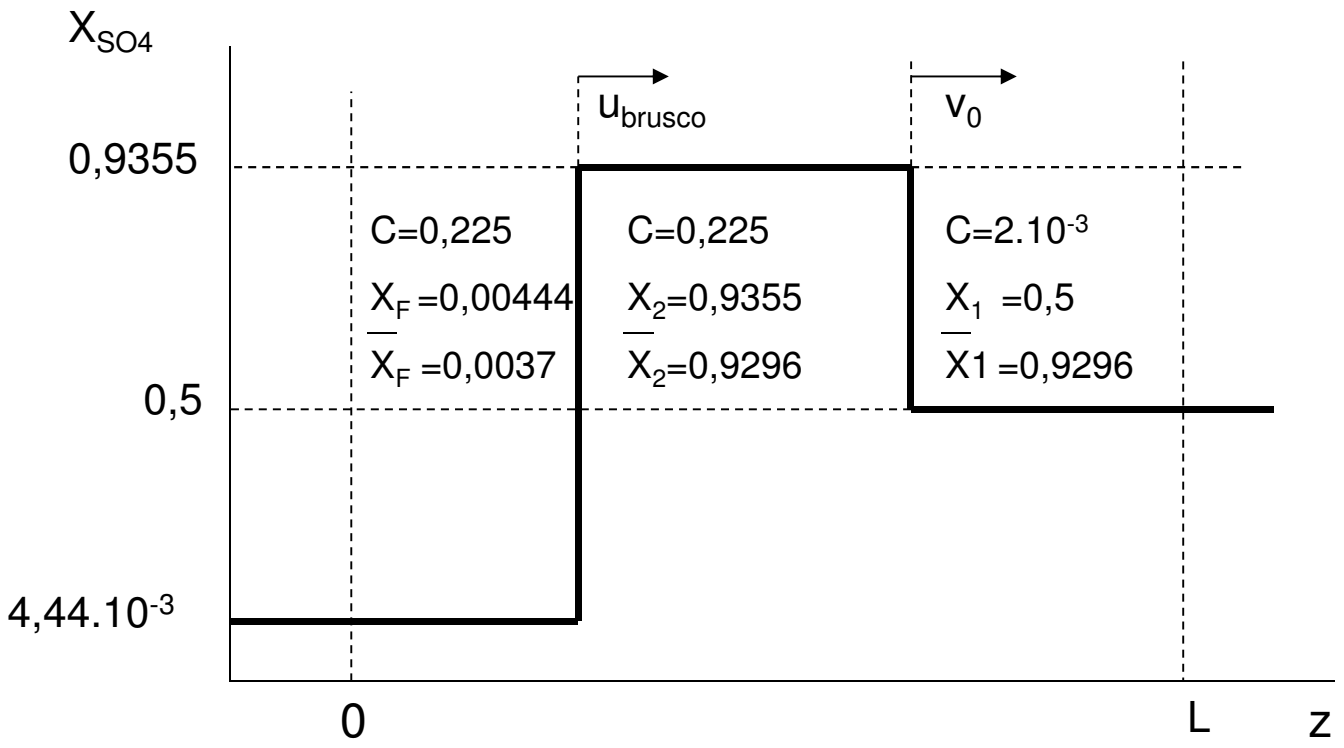
Figs. Ejercicio 13 (cont.)

REGENERACIÓN




REGENERACIÓN
LAVADO
Figs. Ejercicio 13 (cont.)
Z, cm
88,2
0
v_0
0,649
t, min
x_{Cd}
0,880
0,1
C
5
0,01
65,3
70,6
135,9
u_{br}
5,3

Figs. Ejercicio 14



Figs. Ejerc. 14 (cont.)