

Partie 1

```

w0      1
s       2
e       14
c       (5-2)+(8-6)+(11-10)+(14-12)=8
tr      14-1=13
ta      13-8=5
t       1-2      2-5      5-6      6-8      8-10      10-11      11-12      12-14
C(t)    8         8-5      5         5-3      3         3-2      2         2-0
T(t)    0         0-3      3         3-5      5         5-6      6         6-8
WT(t)   0-1      1         1-2      2         2-4      4         5-5      5
E(t)    0-1
    
```

Burst		
id	positions	length
0	2-5	3
1	6-8	2
2	10-11	1
3	12-14	2

Partie 2.1

	C	WT		C	WT		C	WT
A	60	0	D	20	0	D	20	0
B	100	60	C	40	20	B	100	20
C	40	160	A	60	60	A	60	120
D	20	200	E	80	120	C	40	180
E	80	220	B	100	200	E	80	220
		128			80			108

Partie 2.2

t	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	WT	
E											2-1	1-0									0	
C					3-2	2-1	1-0															0
B				6-5	5-5	5-5	5-5	5-4	5-3	3-3	3-3	3-2	2-1	1-0								5
A	4-3	3-2	2-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-0							11
D									5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-4	4-3	3-2	2-1	1-0		7
																						4,60

Partie 2.3

t		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	WT		
A	C(t)	4-3	3-2	2-1	1-0															0	
	R(t)	4/4	4/4	4/4	4/4																
B	C(t)					2-1	1-0													2	
	R(t)			2/2-3/2	3/2-4/2	4/2	4/2														
C	C(t)		6	6	6	6	6	6	6	6	6	6	6-5	5-4	4-3	3-2	2-1	1-0		10	
	R(t)		6/6-7/6	7/6-8/6	8/6-9/6	9/6-10/6	10/6-11/6	11/6-12/6	12/6-13/6	13/6-14/6	14/6-15/6	15/6-16/6	16/6	16/6	16/6	16/6	16/6	16/6	16/6		
D	C(t)					2	2	2	2-1	1-0										3	
	R(t)					2/2-3/2	3/2-4/2	4/2-5/2	5/2	5/2											
E	C(t)				3	3	3	3-2	2-1	1-0										3	
	R(t)				3/3-4/3	4/3-5/3	5/3-6/3	6/3	6/3	6/3											
																					3,60

Partie 2.4

t	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	WT
A	4-3	3-2	2-1	1-0																	0
B				6-6	6-6	6-6	6-6	6-5	5-4	4-4	4-4	4-3	3-2	2-1	1-0						6
C				3-2	2-1	1-0															0
D								5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-4	4-3	3-2	2-1	1-0	7
E								2-1	1-0												0

if C(t) = Cj(t), thus current process is maintained to avoid context switch

t	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	WT
A	3-3	3-3	3-3	3-4	4-5	5-6	6-7	3-3	3-4	4-5	5-6	3-3	3-4	4-5	5-6	6-7	3-3	3-4	4-5	5-6	14
B				5-5	5-5	5-5	5-6	6-7	5-5	5-6	5-5	5-6	5-5	5-6	6-7	5-5	5-6	6-7	5-5	5-6	9
C				4-5	5-6	4-4	4-5	5-6	4-4	4-5	5-6	6-7	4-4	4-5	5-6	6-7	4-4	4-5	5-6	4-5	12
D							2-3	3-4	4-5	5-6	6-7	7-8	2-2	2-3	3-4	4-5	5-6	2-2	2-3	3-4	10

