Alternância Circular

$A_t = 8$, $B_t = 4$, $C_t = 12$, $D_t = 2$, $E_t = 6$

Q (Quantum) = 1 min

K (Chaveamento) = 30s = 0,5 min

	A	K+Q	B	K+Q	C	K+Q	D	K+Q	E	K+Q
1	1	0,5+1	2,5	0,5+1	4	0,5+1	5,5	0,5+1	7	0,5+1
2	8,5	0,5+1	10	0,5+1	11,5	0,5+1	13	0,5+1	14,5	0,5+1
3	16	0,5+1	17,5	0,5+1	19	0,5+1	–	–	20,5	0,5+1
4	22	0,5+1	23,5	0,5+1	25	0,5+1	–	–	26,5	0,5+1
5	28	0,5+1	–	–	29,5	0,5+1	–	–	31	0,5+1
6	32,5	0,5+1	–	–	34	0,5+1	–	–	35,5	0,5+1
7	37	0,5+1	–	–	38,5	0,5+1	–	–	–	–
8	40	0,5+1	–	–	41,5	0,5+1	–	–	–	–
9	–	–	–	–	43	0,5+1	–	–	–	–
10	–	–	–	–	44,5	0,5+1	–	–	–	–
11	–	–	–	–	46	0,5+1	–	–	–	–
12	–	–	–	–	47,5	0,5+1	–	–	–	–
Tempo Total:	40 min		23,5 min		47,5 min		13 min		35,5 min	

Por Prioridades

1º: A($^{P}5$; $^{t}8_{min}$), 2º: E($^{P}4$; $^{t}6_{min}$), 3º: C($^{P}2$; $^{t}12_{min}$),
4º: B($^{P}1$; $^{t}4_{min}$), 5º: D($^{P}1$; $^{t}2_{min}$)

K_t (Chaveamento) = 30 s = 0,5 min

At_{tot} = 8 min

$Et_{tot} = At_{tot} + K_t + E_t = 8_{min} + 0,5_{min} + 6_{min} = 14,5_{min}$

$Ct_{tot} = Et_{tot} + (2K_t) + C_t = 14,5_{min} + 1_{min} + 12_{min} = 27,5_{min}$

$Bt_{tot} = Ct_{tot} + (3K_t) + Bt = 27,5_{min} + 1,5_{min} + 4_{min} = 33_{min}$

$Dt_{tot} = Bt_{tot} + (4K_t) + Dt = 33_{min} + 2_{min} + 2_{min} = 37_{min}$

FCFS (First Come First Served)

1º: A (12 min), 2º: B (4 min), 3º: C (12 min), 4º: D (2 min), 5º: E (6 min)

K_t (Chaveamento) = 30 s = 0,5 min

At_{tot} = 8 min

$Bt_{tot} = At_{tot} + K_t + B_t = 8_{min} + 0,5_{min} + 4_{min} = 12,5_{min}$

$Ct_{tot} = Bt_{tot} + (2K_t) + C_t = 12,5_{min} + 1_{min} + 12_{min} = 25,5_{min}$

$Dt_{tot} = Ct_{tot} + (3K_t) + D_t = 25,5_{min} + 1,5_{min} + 2_{min} = 29_{min}$

$Et_{tot} = Dt_{tot} + (4K_t) + E_t = 29_{min} + 2_{min} + 6_{min} = 37_{min}$

Tarefa mais Curta Primeiro

1º: D(2 min), 2º: B(4 min), 3º: E(6 min), 4º: A(8 min), 5º: C(12 min)

K_t (chaveamento) = $30_s = 0,5$ min

$Dt_{tot} = \underline{2 \text{ min}}$

$Bt_{tot} = Dt_{tot} + K_t + B_t = 2 \text{ min} + 0,5 \text{ min} + 4 \text{ min} = \underline{6,5 \text{ min}}$

$Et_{tot} = Bt_{tot} + (2K_t) + E_t = 6,5 \text{ min} + 1 \text{ min} + 6 \text{ min} = \underline{13,5 \text{ min}}$

$At_{tot} = Et_{tot} + (3K_t) + A_t = 13,5 \text{ min} + 1,5 \text{ min} + 8 \text{ min} = \underline{23 \text{ min}}$

$Ct_{tot} = At_{tot} + (4K_t) + C_t = 23 \text{ min} + 2 \text{ min} + 12 \text{ min} = \underline{37 \text{ min}}$