

$$L = 1/2$$

$$L = 1,5$$

$$\begin{array}{c} 3-3 \\ B+30 \\ B+30 \\ B+30 \end{array}$$

DLMTQOQS  
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previsão  $\alpha = 0,75$

real

$t_1$	$t_2$		$\pi_0$	$t_0$	$\pi_1$	$t_1$	$\pi_2$	$t_2$	$\pi_3$
4	6	A	1	6	5	4	4	6	6
4	4	B	1	9	7	4	5	4	4
4	2	C	1	4	3	4	6	2	3

$$\pi_{ix} = \alpha t_0 + (1 - \alpha) \pi_0$$

$$\pi_{1A} = 0,75 \cdot 6 + (1 - 0,75) \cdot 1 = 4,75 \approx 5$$

$$\pi_{1B} = 0,75 \cdot 9 + (1 - 0,75) \cdot 1 = 7$$

$$\pi_{1C} = 0,75 \cdot 4 + (1 - 0,75) \cdot 1 = 3,25 \approx 3$$

$$\pi_{2A} = 0,75 \cdot 4 + (1 - 0,75) \cdot 5 = 4,25 \approx 4$$

$$\pi_{2B} = 0,75 \cdot 4 + (1 - 0,75) \cdot 7 = 4,75 \approx 5$$

$$\pi_{2C} = 0,75 \cdot 4 + (1 - 0,75) \cdot 3 = 3,75 \approx 4$$

$$\pi_{3A} = 0,75 \cdot 6 + (1 - 0,75) \cdot 4 = 5,5 \approx 6$$

$$\pi_{3B} = 0,75 \cdot 4 + (1 - 0,75) \cdot 5 = 4,25 \approx 4$$

$$\pi_{3C} = 0,75 \cdot 2 + (1 - 0,75) \cdot 6 = 3$$

	5-1-1	5-7-1	5-7-3	5-7-6	4-7-6	7-6	7	5
A	6	B	15	C	23	A	27	A
6	9	4	4	4	6	2	4	4

tempo na fila

$$T_{me} = ((9 + 4 + 4) + (6 + 4 + 4 + 4 + 6 + 2) + (6 + 9 + 4 + 6)) = 22,6$$

tempo de saída final, processo

$$T_{mr} = \frac{33 + 35 + 43}{3} = 37$$

$$\frac{3}{43} = 0,07 \text{ prod/ut}$$