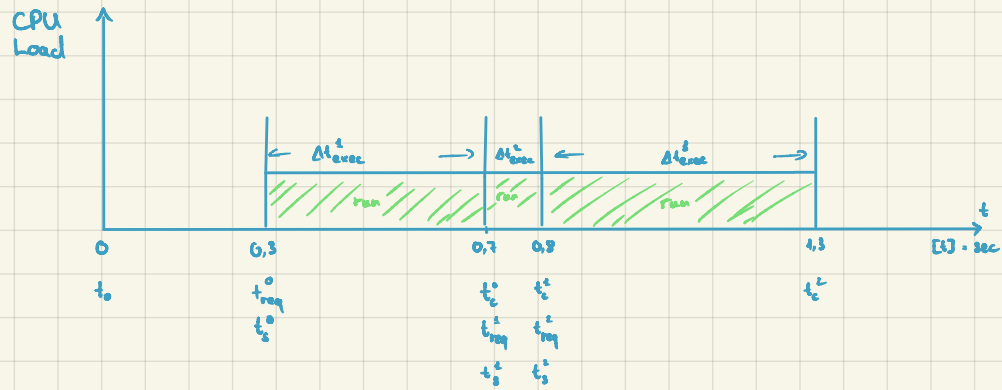


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HW4 :

a.



Job description :

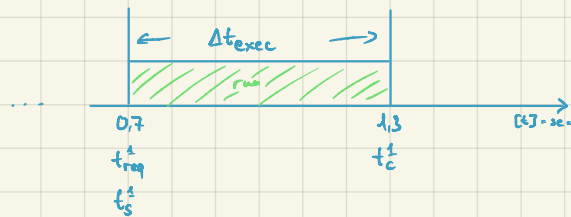
- Camera initialization : $J^0 = (t_{req}^0, \Delta t_{exec}^0)$
- Expose photo : $J^1 = (t_{req}^1, \Delta t_{exec}^1)$
- Store photo : $J^2 = (t_{req}^2, \Delta t_{exec}^2)$

(*) In this case : $\Delta t_{resp} = \Delta t_{exec}$

b1)

J^1

$$J^1 = (t_{req}^1, \Delta t_{exec}^1)$$

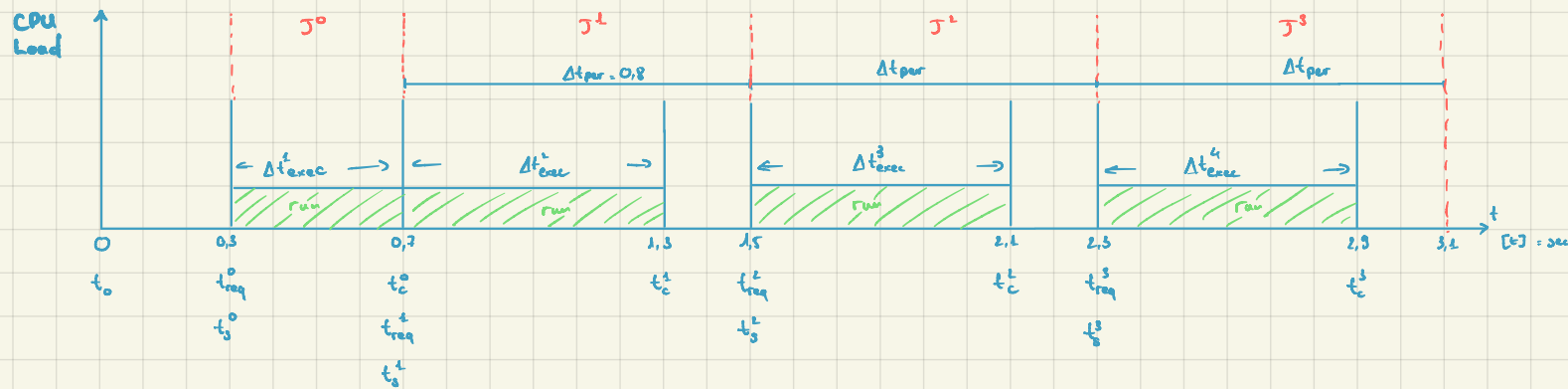


b2) Rate : $\tau = 1/\Delta t_{\text{per}} = 1/0,8 = 1,25 \text{ Jobs/s}$

b3) Maximum time to complete J^1 : $0,1 + 0,5 = 0,6 \text{ s}$

\Rightarrow Rate : $\tau = 1/0,6 = 1,66 \text{ Jobs/s}$

b4)



c)

$J^1 = (t_{\text{req}}^1, \Delta t_{\text{exec}}^1)$

C2) $1/(0,1 + 1,6 + 0,2) = 0,52 \text{ Jobs/s}$

C3) $1/(0,1 + 1,6) = 0,58 \text{ Jobs/s}$

