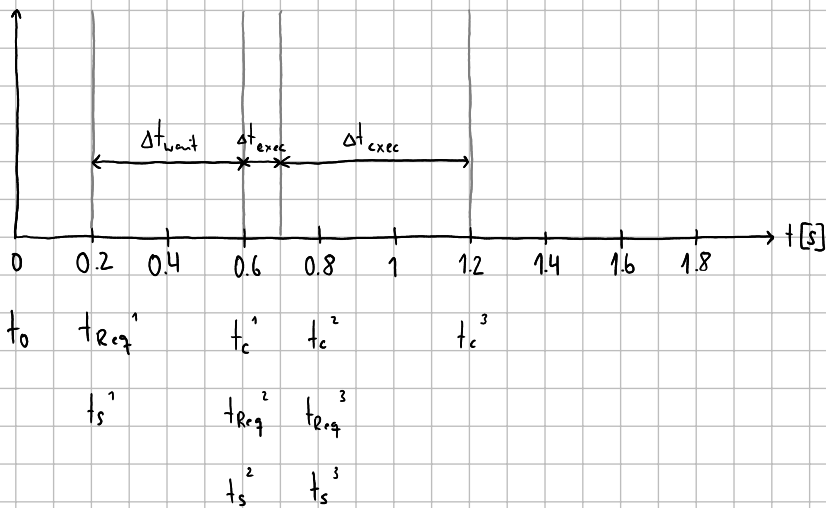


## a) Jobs



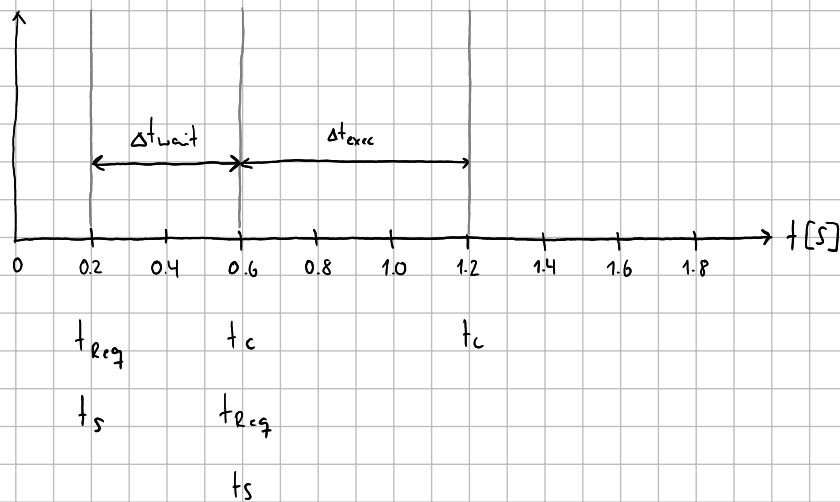
Camera Initialization:  $J^0(t_{req}^1, t_s^1, t_c^1)$   
0.2, 0.2, 0.6

Expose Photo:  $J^1(t_{req}^2, t_s^2, t_c^2)$   
0.6, 0.6, 0.8

Store Photo:  $J^2(t_{req}^3, t_s^3, t_c^3)$   
0.8, 0.8, 1.2

## b) Tasks (part 1)

b1)



Expose- and  
Store Photo:  $J^1(t_{req}, t_s, t_c)$   
0.6, 0.6, 1.8

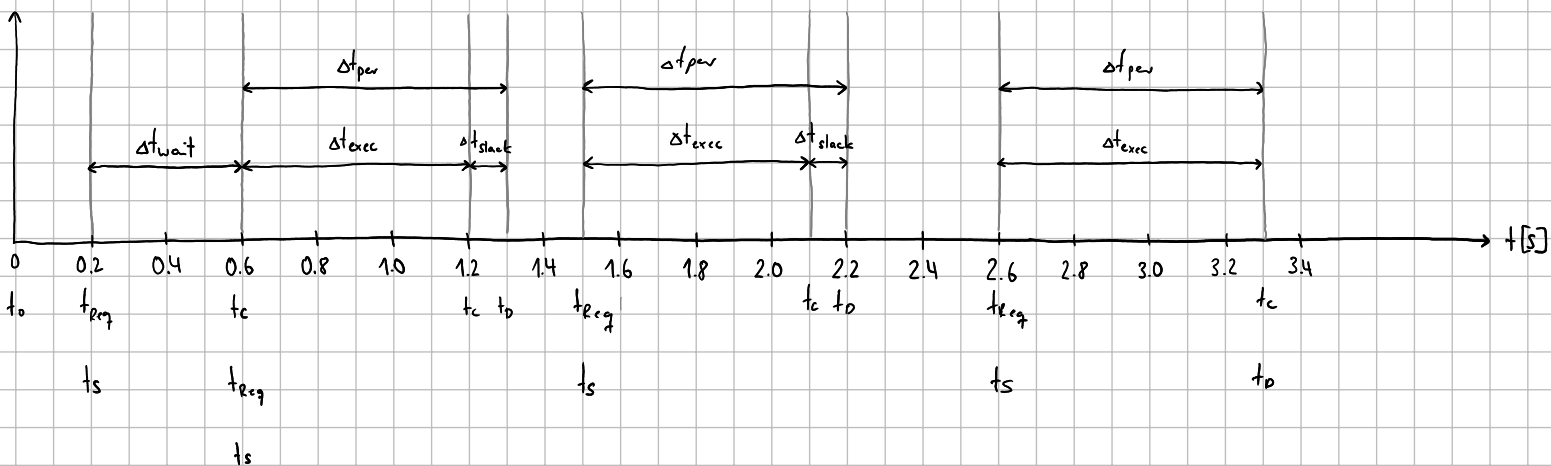
b2)

$$rate = \frac{1}{\Delta t_{per}} = \frac{1}{0.75} = 1.4286 \text{ s}^{-1}$$

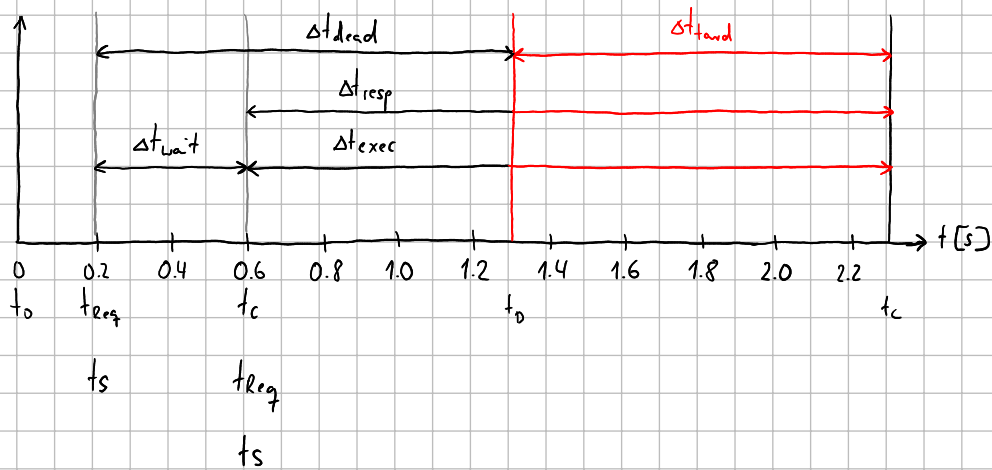
b3)

$$\max \text{ rate} = \frac{1}{\Delta t_{exec}} = \frac{1}{0.65} = 1.6 \text{ s}^{-1}$$

b4)



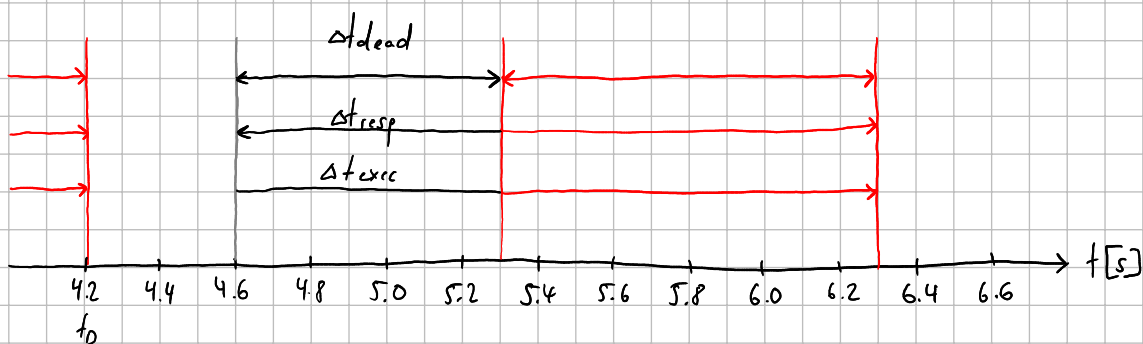
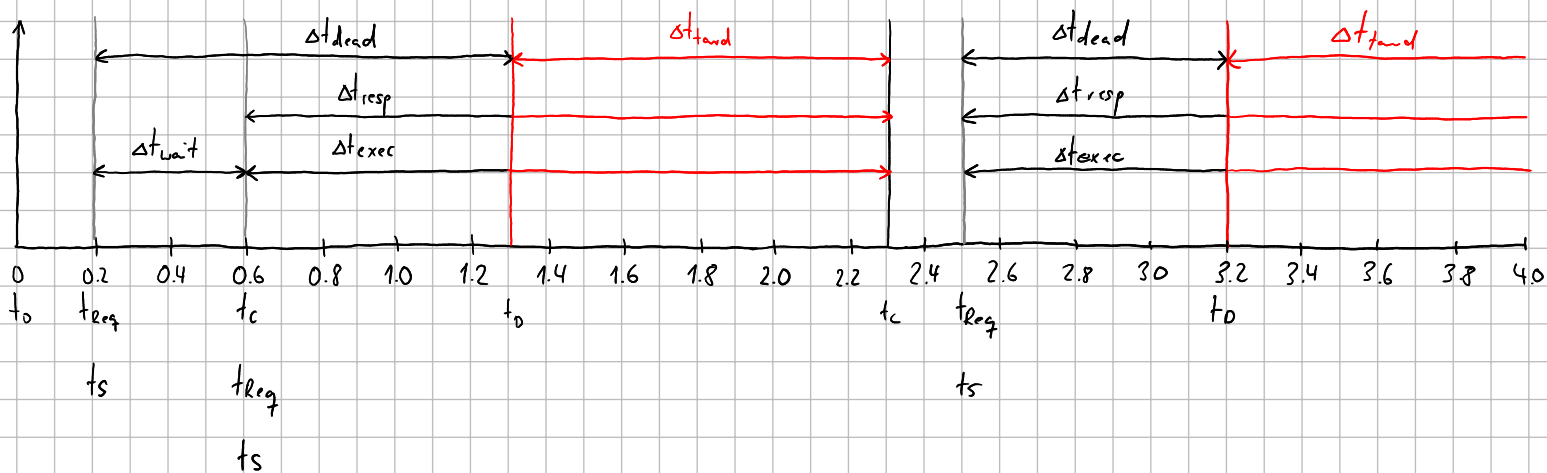
c1)



c2)

c3)

c4 + c5)



c3) Photo takes too long for time period