

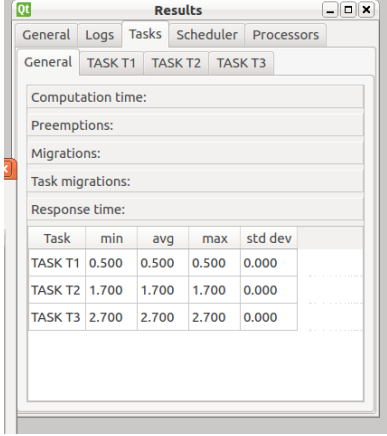
The simulation problem

Task set#1:

1- Utilization factor of the system by this equation $U = \sum_i \frac{e_i}{P_i} = \left(\frac{0.5}{2} + \frac{1.2}{3} + \frac{0.5}{6} \right) = 0.733$

URM(3) of the system by this equation $URM(3) = n(2^{\frac{1}{n}} - 1) = 0.779$

2-



Task	min	avg	max	std dev
TASK T1	0.500	0.500	0.500	0.000
TASK T2	1.700	1.700	1.700	0.000
TASK T3	2.700	2.700	2.700	0.000

3- No, there no task missing deadline