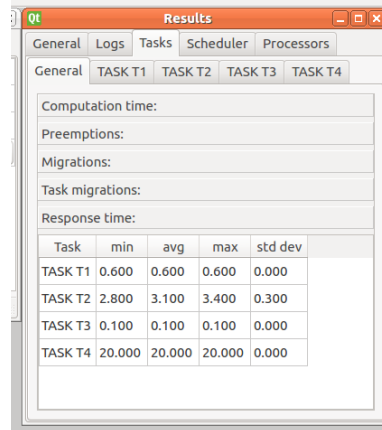


Task set#2:

1- Utilization factor of the system by this equation $U = \sum_i \frac{e_i}{P_i} = \left(\frac{0.5}{2} + \frac{2}{5} + \frac{0.1}{1} + \frac{5}{10} \right) = 1.25$

URM(4) of the system by this equation $URM(4) = n(2^{\frac{1}{n}} - 1) = 0.7568$

2-



Task	min	avg	max	std dev
TASK T1	0.600	0.600	0.600	0.000
TASK T2	2.800	3.100	3.400	0.300
TASK T3	0.100	0.100	0.100	0.000
TASK T4	20.000	20.000	20.000	0.000

for 100 ms simulation

3- After 20 ms no task misses the deadline

But after 40 ms, T4 misses at 30 and 40

4- I used RM and it misses deadline also.