

Func. 2 // = 4.02  $\mu$ s

Func. 3 // = 8.783  $\mu$ s

Func. 1 exec. time = 13  $\mu$ sec. P =

Func. 2 // = 13.3  $\mu$ sec P = 50ms

Func. 3 // = 18.816  $\mu$ s P = 100ms

Func. 4 // = 17.8  $\mu$ s P = 20ms

Func. 5 // = 5.15 ms P = 10ms

Func 6 // = 28.49 ms P = 100ms

~~operator~~

$$U = \sum_{i=1}^n \frac{c_i}{p_i} \leq n(2^{\frac{1}{n}} - 1)$$

$$0.80 \leq 0.73 \quad \text{XX}$$

need other test

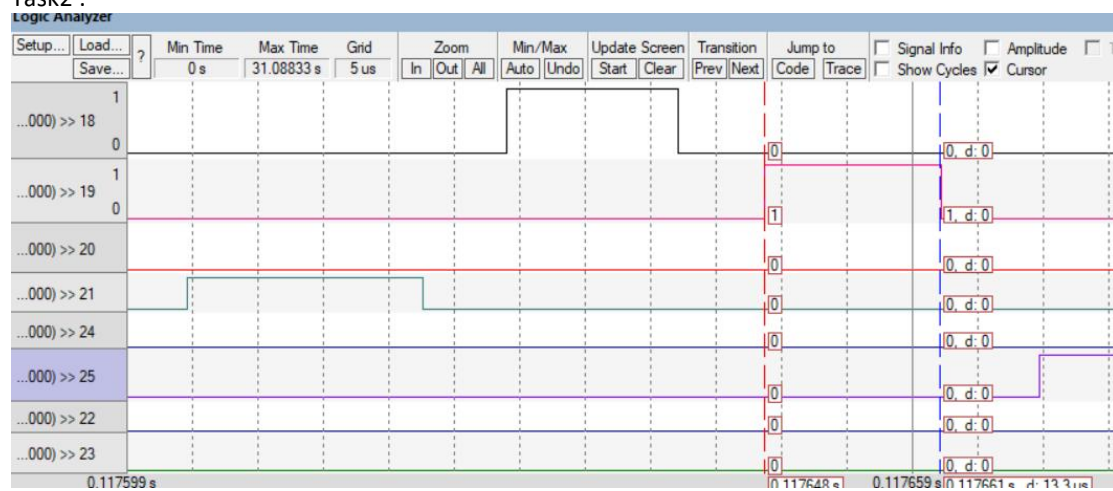
hyper period = 100 ms

$$\text{cpu load} = \frac{\text{Total time}}{\text{sys. time}}$$
$$= 33 \%$$

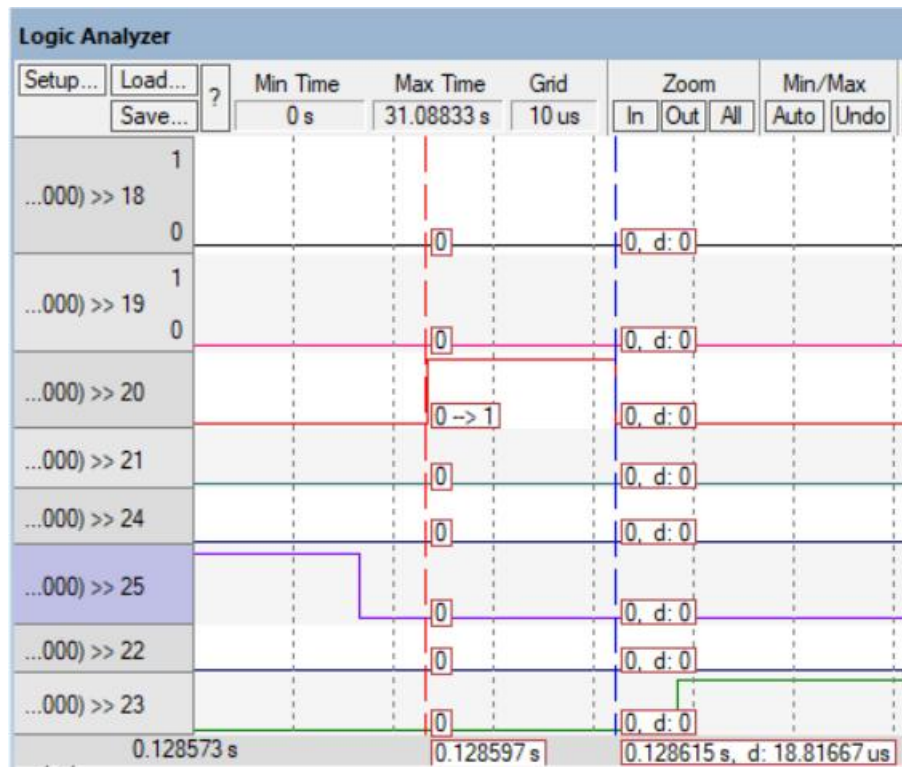
Task 1 :



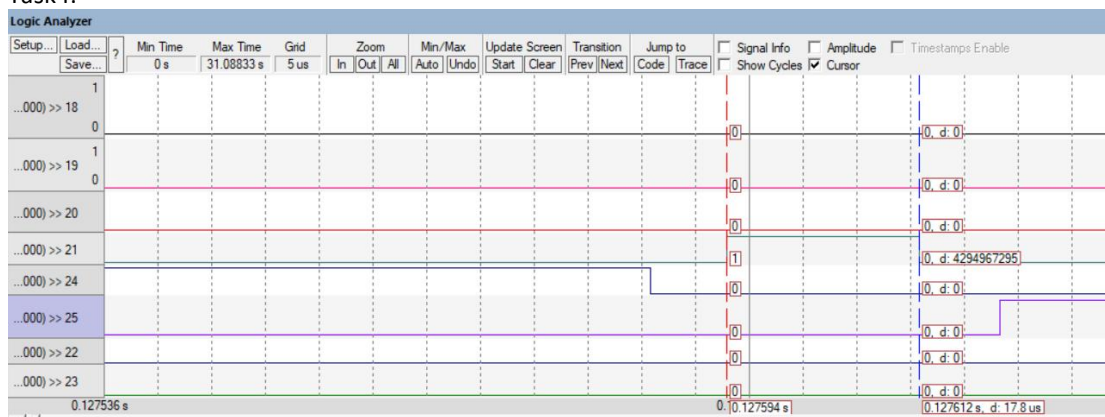
### Task2 :



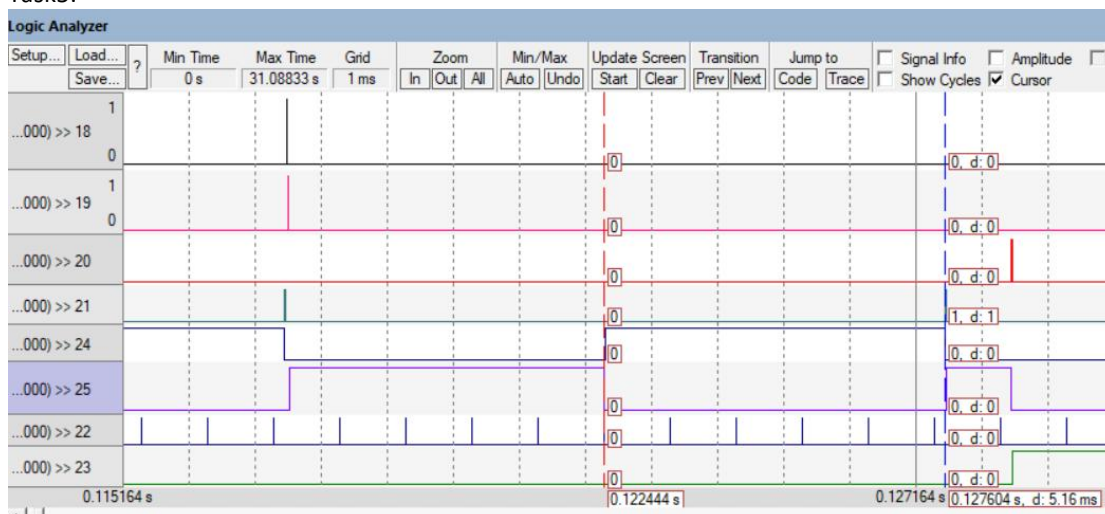
### Task 3:



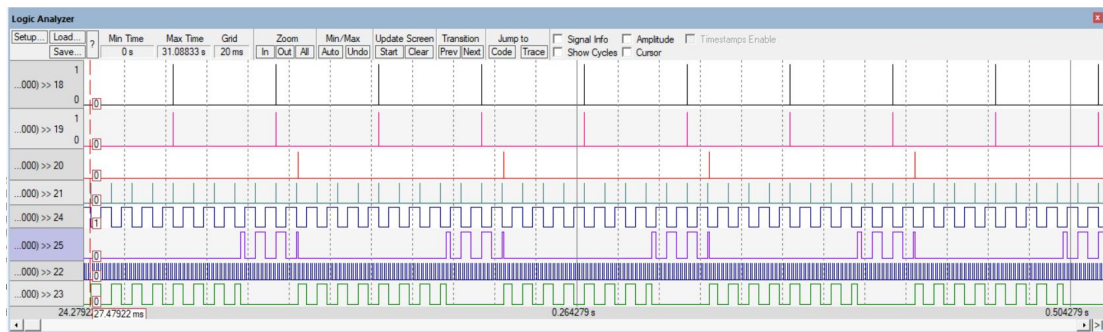
Task4:



Task5:



Data in logic analyzer :



Comments :

As analytical methods don't work on edf the results are not the same thus need for different analytical methods

Cpu load :

flag1	0x00000001	int
flag2	0x00000001	int
flag3	<cannot evaluate>	uchar
flag4	<cannot evaluate>	uchar
flag5	<cannot evaluate>	uchar
flag6	<cannot evaluate>	uchar
cpu_load	64	int
<Enter expression>		

Qt
Model data

General
Scheduler
Processors
Tasks

Scheduler
simso.schedulers.RM\_mono

Scheduler Path
Open

Overhead schedule (cycles)
0

Overhead on activate (cycles)
0

Overhead on terminate (cycles)
0

Edit extra fields...

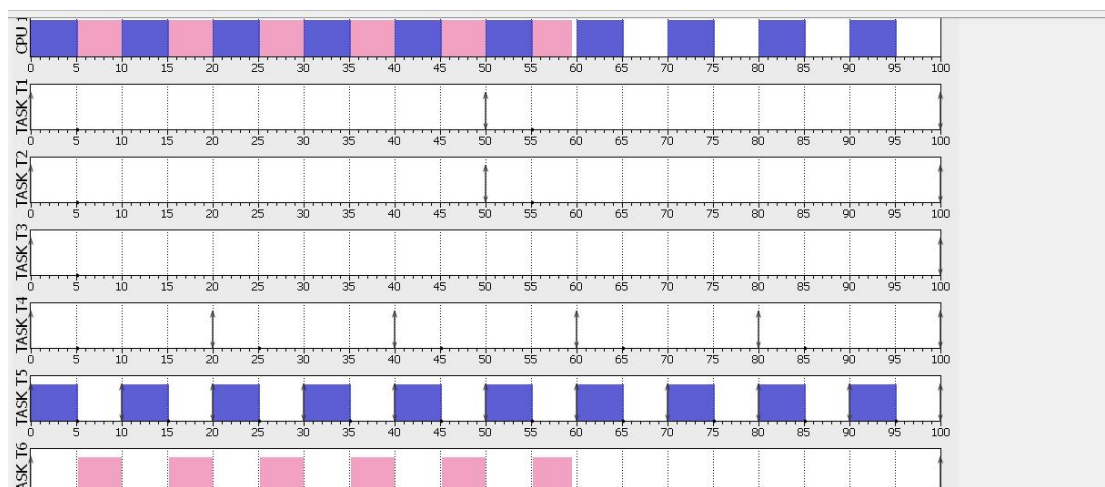
Sismo :



Model data										
General		Scheduler	Processors	Tasks						
id	Name	Task type	Abort on miss	Act. Date (ms)	Period (ms)	List of Act. dates (ms)	Deadline (ms)	WCET (ms)	Followed by	Priority
1	TASK T1	Periodic	<input type="checkbox"/> No	0.0	50.0	-	50.0	0.0013	▼ 1	1
2	TASK T2	Periodic	<input type="checkbox"/> No	0.0	50.0	-	50.0	0.0013	▼ 1	1
3	TASK T3	Periodic	<input type="checkbox"/> No	0.0	100.0	-	100.0	0.0018	▼ 1	1
4	TASK T4	Periodic	<input type="checkbox"/> No	0.0	20.0	-	20.0	0.0017	▼ 1	1
5	TASK T5	Periodic	<input type="checkbox"/> No	0.0	10.0	-	10.0	5.15	▼ 1	1
6	TASK T6	Periodic	<input type="checkbox"/> No	0.0	100.0	-	100.0	28.49	▼ 1	1

Edit data fields...

Remove selected task(s) Add task Generate Task Set



Results			
General		Logs	Tasks Scheduler Processors
Observation Window:			
from 0.00 to 100.00 ms		Configure...	
	Total load	Payload	System load
CPU 1	0.8001	0.8001	0.0000
Average	0.8001	0.8001	0.0000

Excepted for different sechdular to have different load