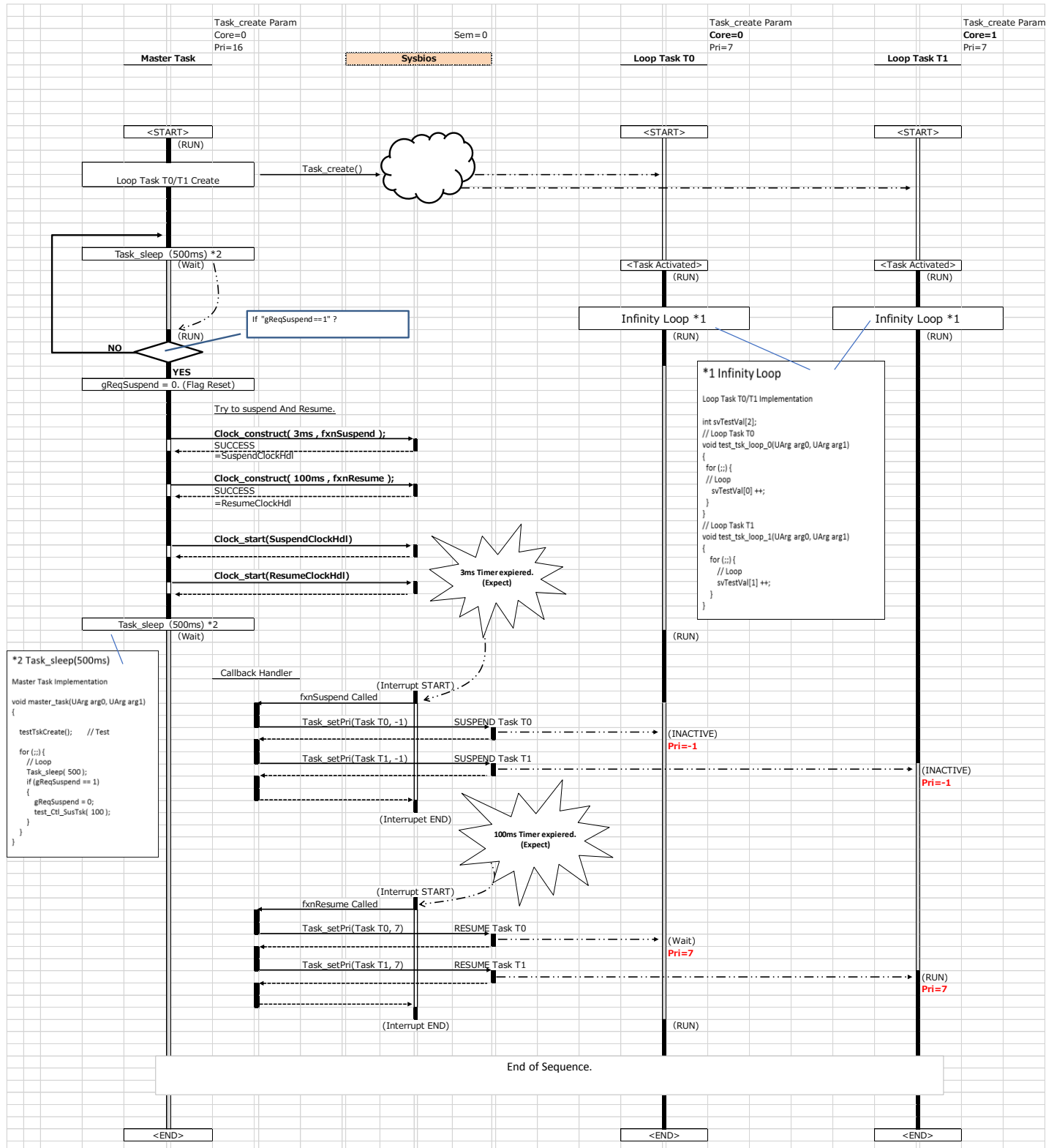


# Sequence want to check

## scenario

- Master Task is "gReqSuspend == 1" after Sleep 500 ms ? .  
 Go to Step 1 of "gReqSuspend! = 1"  
 Go to Step 2 of "gReqSuspend == 1"
- Create Suspend Clock 3 ms and Resume Clock 100 ms in the TI Clock class.
- Start Suspend Clock and Resume Clock in the TI Clock class.  
 (After 3 ms)
- Suspend Clock times out and fxnSuspend is called.  
 Set the priority of TaskT0 (on Core 0) to -1.  
 Set the priority of TaskT1 (on Core 1) to -1.  
 (After 100 ms)
- Resume Clock times out and fxnResume is called.  
 Set 7 to the priority of TaskT0 (on Core 0).  
 Set 7 to the priority of TaskT1 (on Core 1).



# Problem Sequence

## Problem.1

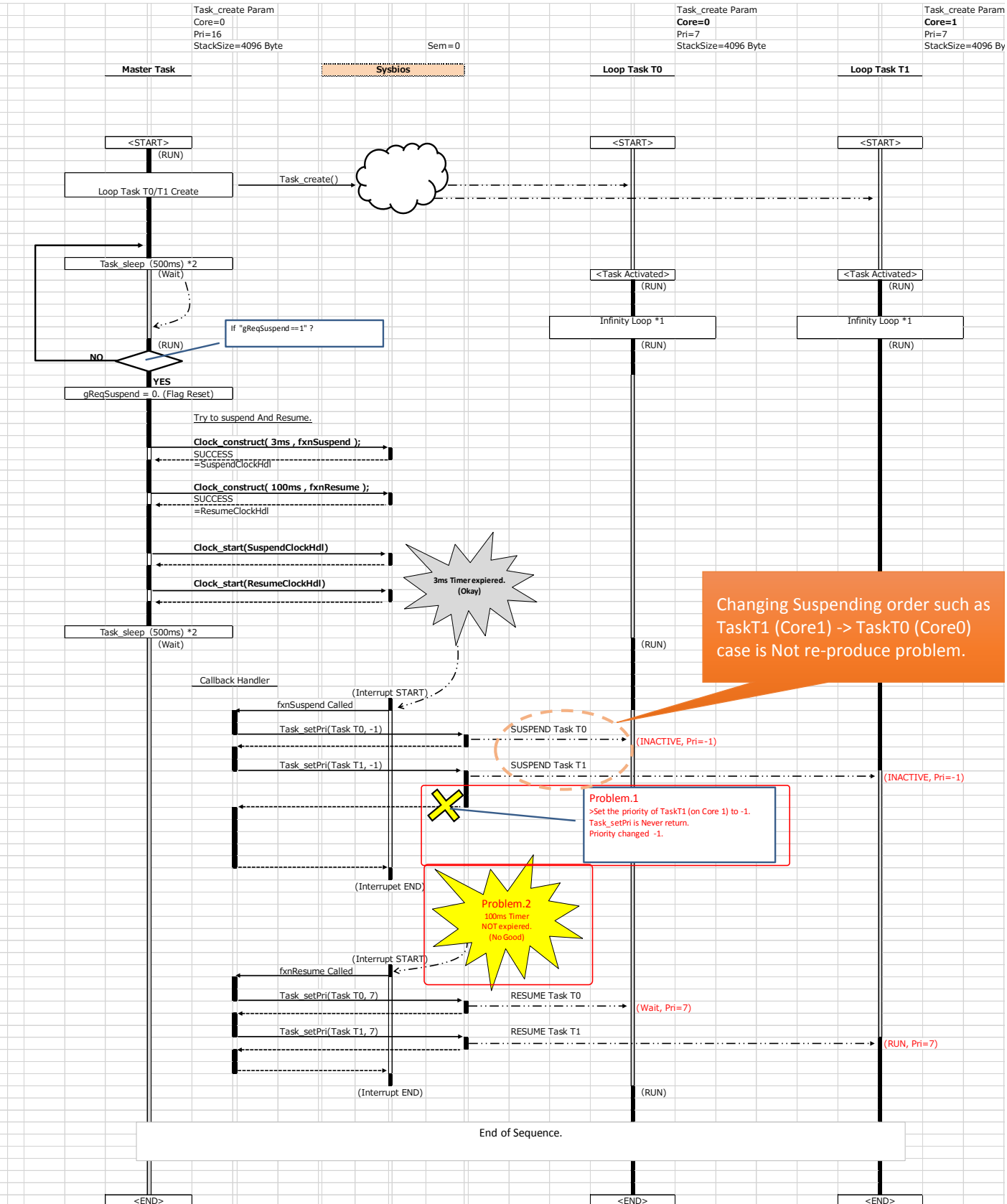
>Set the priority of TaskT1 (on Core 1) to -1.  
Task\_setPri() is Never return.  
Priority changed -1.

## Experiment

- Suspending in the order of TaskT1 (Core1) -> TaskT0 (Core0) case is Not re-produce problem.  
- "Master Task" has problems even if it is placed in Core0 / Core1.

## Problem.2

(May be a by-product of "Problem.1".)  
100msTimer NOT expired. (No Good)



Changing Suspending order such as TaskT1 (Core1) -> TaskT0 (Core0) case is Not re-produce problem.

**Problem.1**  
>Set the priority of TaskT1 (on Core 1) to -1.  
Task\_setPri is Never return.  
Priority changed -1.

**Problem.2**  
100ms Timer NOT expired.  
(No Good)

# CCS:ROV when problem occurs.

TASK

address	label	priority	mode	fnx	arg0	arg1	stackSize	stackBas
0x8002d864	Core 0 Idle Task	0	Preempted	ti_sysbios_knl_Idle_loop_E	0x0	0x0	2048	0x8002e
0x8002d8b0	Core 1 Idle Task	0	Preempted	ti_sysbios_knl_Idle_loop_E	0x0	0x0	2048	0x8002e
0x81053550		16	Blocked	uart_task	0x0	0x0	4096	0x81053
0x810545b0		16	Blocked	master_task	0x12121212	0x0	4096	0x81054
0x81055610		-1	Inactive	test_tsk_loop_0	0x0	0x0	4096	0x81055
0x81056670		-1	Inactive	test_tsk_loop_1	0x1	0x0	4096	0x81056
0x810576d0		10	Blocked	test_tsk_sleep_2	0x2	0x0	4096	0x81057
0x81058730		10	Blocked	test_tsk_sleep_3	0x3	0x0	4096	0x81058

Where RUN Task ?  
Core0 & Core1

Clock

address	label	timeout	period	fnx	arg	started	tRemaining	periodic
0x81059790	ti_sysbios_knl.Clock@81059790	3	0	test_Hdr_SusTsk	0x0	false		false
0x810597b8	ti_sysbios_knl.Clock@810597b8	100	0	test_Hdr_RsmTsk	0x0	true	4294493933	false

100ms Timer NOT expired, because clock-class tRemaining is incorrect.  
Clock-Class tRemaining calculate carry-down?  
No-problem case, this value will not be less than 0.(probably)

SWI

address	label	state	priority	fnx	arg0	arg1	initTrigger	curTrigger
0x8002d524		Running	15	ti_sysbios_knl_Clock_workFunc_E	0x0	0x0	0	0

After problems occurred, even if RUN-> Pause-> RUN is done in CCS, The state of SWI is always RUN.