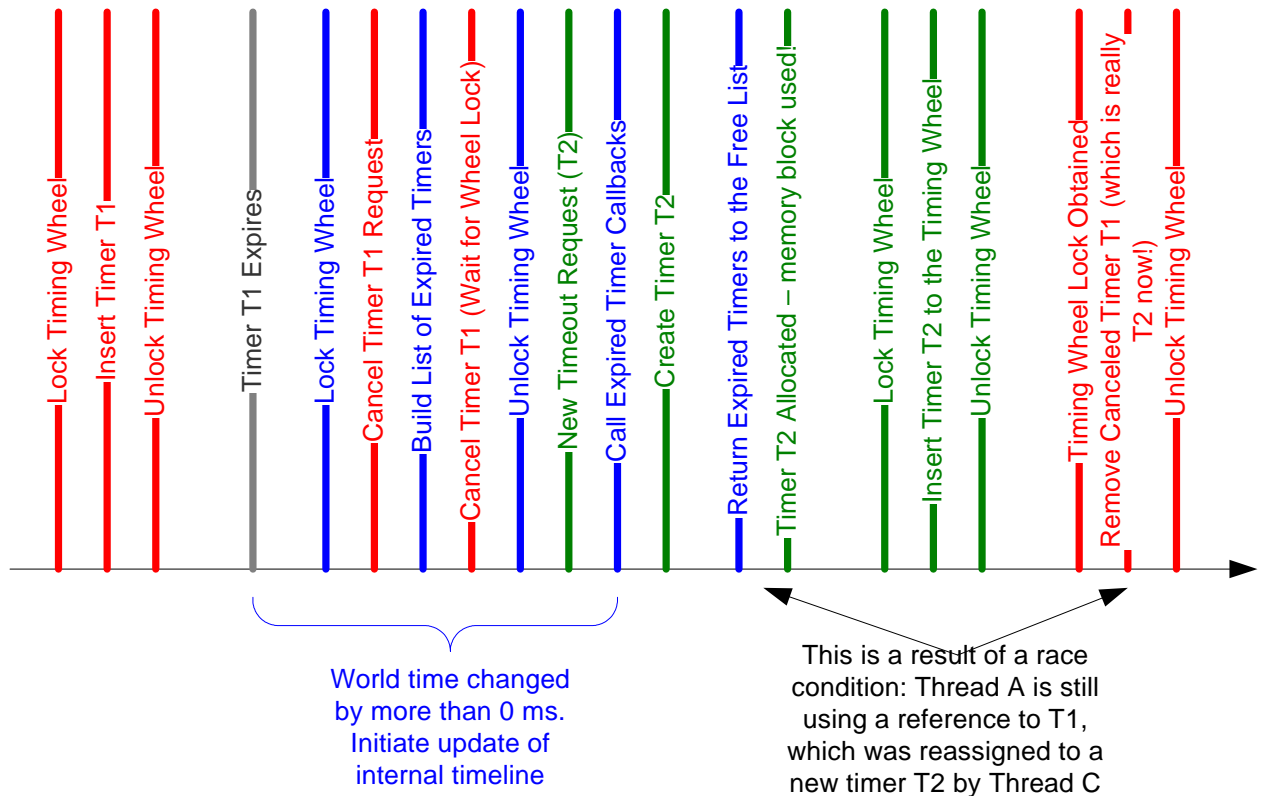


Race condition in the SMP mode of R11B-2 emulator



Thread A `erl_set_timer (time.c)`
 Thread A `insert_timer (time.c)`
 Thread A `erl_set_timer (time.c)`
 Thread B `bump_timer_internal (time.c)`
 Thread A `cancel_timer (erl_process.c)`
 Thread B `bump_timer_internal (time.c)`
 Thread A `erl_cancel_timer (time.c)`
 Thread B `bump_timer_internal (time.c)`
 Thread C `set_timer (erl_process.c)`
 Thread B `bump_timer_internal (time.c)`
 Thread B `free_ptimer (utils.c)`
 Thread C `erts_create_smp_ptimer (utils.c)`
 Thread B `free_ptimer (utils.c)`
 Thread C `erts_create_smp_ptimer (utils.c)`
 Thread C `erl_set_timer (time.c)`
 Thread C `erl_set_timer (time.c)`
 Thread C `insert_timer (time.c)`
 Thread C `erl_set_timer (time.c)`
 Thread A `erl_cancel_timer (time.c)`
 Thread A `erl_cancel_timer (time.c)`
 Thread A `erl_cancel_timer (time.c)`

Lock Timing Wheel
 Insert Timer T1
 Unlock Timing Wheel
 Lock Timing Wheel
 Cancel timer T1
 Build list of Expired Timers
 Cancel timer T1: Waiting for Timing Wheel Lock
 Unlock Timing Wheel
 New Timeout Request (T2)
 Call Expired Timers Callbacks
 Timer T1 callback invokes `free_ptimer()`
 Create Timer `ErtsSmpPTimer` for T2
 Free `ErtsSmpPTimer` memory block
 Allocate `ErtsSmpPTimer` for T2, block reused!
`erl_set_timer` invoked for T2
 Lock Timing Wheel
 Insert Timer T2
 Unlock Timing Wheel
 Lock Timing Wheel
 Remove `ex-T1 == T2` from the timing wheel
 Unlock Timing Wheel