```
heartbeat t1 = \{.n = 0, .N = 500/HB\};
                                       // Every 500 ms (blink Leds())
heartbeat t2 = \{.n = -3, .N = 100/HB\};
                                      // Every 100 ms (get_temp())
heartbeat t3 = \{.n = 0, .N = 20/HB\};
                                       // Every 20 ms (check_button())
heartbeat t4 = \{.n = -1, .N = 100/HB\};
                                       // Every 100 ms (send duty_cycle())
heartbeat t5 = \{.n = -1, .N = 100/HB\};
                                       // Every 100 ms (LCD_display())
heartbeat t6 = \{.n = 0, .N = 100/HB\};
                                       // Every 100 ms (read_msg())
heartbeat t7 = \{.n = 0, .N = 20/HB\};
                                       // Every 20 ms (send_MCACK())
heartbeat t8 = \{.n = -2, .N = 200/HB\};
                                       // Every 200 ms (send_msg())
```

	20ms	40ms	60ms	80ms	100ms	120ms	140ms	160ms	180ms	200ms	220ms	240ms	260ms
t1													
t2								I					l
t3	L	I	L	I	l	l	I	I	I	L	l	L	I
t4						I					L		
t5						l					I		
t6					L					L			
t7	l	l	L	I	I	I	l	I	l	L	l	I	l
t8					·							L	

280ms	300ms	320ms	340ms	360ms	380ms	400ms	420ms	440ms	460ms	480ms	500ms
				l					L		
l	I	I	I	I	I	I	L	L	L	l	I
		I					I				
		L					L				
	L					l					L
I	I	I	l	l	I	I	I	I	L	I	I
								I			