Ftrace cheatsheet :: interpreting the symbols

```
Eq. output line
0)
       mycp-786
                          .d.1h1 |
                                           @ 175928.1 us | } /* sys_write */
                          ^ |
                                                                   ^ function name
                            5/4 cols time delay
 cpu# thread-PID
                             \--- (see below) ---/
Symbol in (raw)
                     Meaning
ftrace output
 1+1
                     a wakeup has occurred
==> (or =>)
                     a context switch has occurred
 =======>
                     switch to an interrupt context (usually a hard irg)
 <=======
                     switch back from an interrupt context to process context
Time (delay) nomenclature; eq. @ 175928.1 us
 '@'
                     > 100,000 us (100 ms)
 1 * 1
                     > 10,000 us (10 ms)
 '#'
                     > 1000 microseconds (1 ms)
 111
                     > 100 us (preempt mark thresh)
 1+1
                     > 1 us
 1 1
                     <= 1 microsecond
Latency Trace Format (the four/five columns): eq. 1d.h1
First column
                     CPU # the thread / interrupt was running upon
Second column
                     '.' = interrupts enabled; 'd' = interrupts disabled
                     need-resched; '.' = unset, 'N' = TIF_NEED_RESCHED bit has been set
Third column
Fourth column
                     '.' = process ctx (context);
                     'h' / 'H' = hard-irq interrupt ctx; 's' = softirq interrupt ctx
                        ('h' = hard irq is running; 'H' = hard irq occurred inside a softirq)
Fifth column
                     preempt-depth; 0 = no locks held, +ve = that many locks are being held
```