```
SUB INTERRUPT rate
    TASKS HANDLER,divider,taskslots
    RETURNINT
ENDSUB
```


taskslot #0   taskslot #1   taskslot #N-1   M mainloopslots

taskcode   mainloopcode   taskcode   mainloopcode   taskcode   mainloopcode   mainloopcode

tasktick Ts = divider/rate

N task slots   Tn = N * Ts

M mainloop slots   Tm = (N+M) * Ts   roundtrip cycle
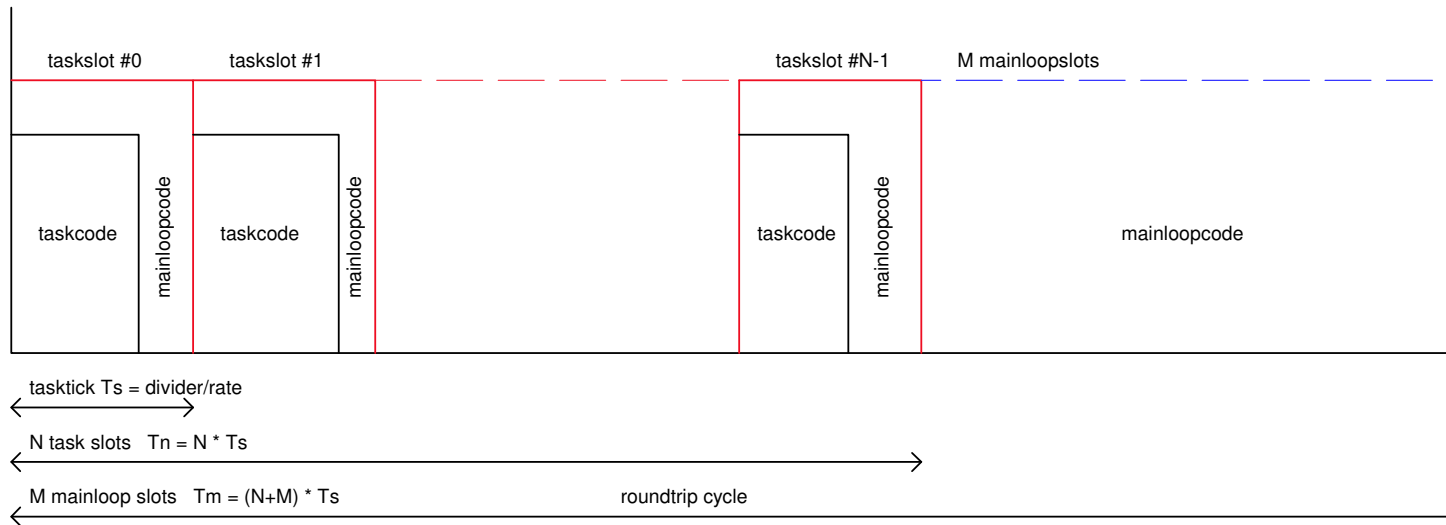
TASKS SET,slot,taskname,interval   slot is 0 to N-1
                                          taskname is name of declared task
                                          interval is number of taskticks (1 to 255)

                                          Task timeslice every (N+M) * Ts seconds
                                          Task runs every interval * Ts seconds
                                          Timeslices not used by taskcode, are used by mainloopcode

Requirements for minimal jitter

Taskcode must return within Ts seconds

interval must be integral multiple of M+N, interval = K*(M+N)

EXAMPLE
rate = 115200
divider = 6
task slots = 5   N = 5   Ts = 1 / 19200 seconds
mainloop slots = 3   M = 3   ⟶   Tn = 5 / 19200 seconds
                      N + M = 8   Tm = 8 / 19200 seconds
    Mainloopcode has a minimum of M / (N+M) * 100% = 37.5% of cpu use

interval = K * 8 = 16   K = 2   Taskcode runs every 16 * Ts = 16 / 19200 = 1 / 1200 seconds