

```
rate_new
  dira[LED4..LED1] := %1111
  leds := %0001
  outa[LED4..LED1] := leds

  auto_old := 0
  update := 0
  comp_old := 0
  rate_old := 0
  step1.start(RA_SPEED, RA_DIR)
  step2.start(DEC_SPEED< DEC_DIR)

  t := clkfreq / 50 + cnt
  repeat
    waitcnt(t += clkfreq / 50)
    if ina[RATE]
      leds <<= 1
      if leds == %1_0000
        leds := %0001
      outa[LED$,LED1] := leds
      debounce(RATE)
      t := clkfreq / 50 + cnt

  waitcnt(CNT+80000)
  step1.set_speed(RA_RATE)
  step2.set_speed(DEC_RATE)
```