```
  sbci YH, high(PAGESIZEB)
Rdloop:
  lpm  r0, Z+
  ld   r1, Y+
  cpse r0, r1
  rjmp Error
  sbiw loophi:looplo, 1         ;use subi for PAGESIZEB<=256
  brne Rdloop

  ; return to RWW section
  ; verify that RWW section is safe to read
Return:
  in   temp1, SPMCSR
  sbrs temp1, RWWSB     ; If RWWSB is set, the RWW section is not ready yet
  ret
  ; re-enable the RWW section
  ldi  spmcrval, (1<<RWWSRE) | (1<<SELFPRGEN)
  rcallDo_spm
  rjmp Return

Do_spm:
  ; check for previous SPM complete
Wait_spm:
  in   temp1, SPMCSR
  sbrc temp1, SELFPRGEN
  rjmp Wait_spm
  ; input: spmcrval determines SPM action
  ; disable interrupts if enabled, store status
  in   temp2, SREG
  cli
  ; check that no EEPROM write access is present
Wait_ee:
  sbic EECR, EEPE
  rjmp Wait_ee
  ; SPM timed sequence
  out  SPMCSR, spmcrval
  spm
  ; restore SREG (to enable interrupts if originally enabled)
  out  SREG, temp2
  ret
```