```
.cseg
.org 0
        ldi r16, 0b10101010
        sts DDRL, r16
        ldi r16, 0b00001010
        out DDRB, r16
        ; Turn on LEDs
        ldi r16, 0b10101010
        sts PORTL, r16
        ldi r16, 0b00001010
        out PORTB, r16
        ldi r17, 0xFF
                                 ; Toggle mask
        ldi r18, 0b10101010; AND mask for PORTL
        ldi r19, 0b00001010; AND mask for PORTB
main_loop:
        ; Nested delay loop
        ldi r20, 0x3D
                ldi r21, 0xFF
                        ldi r22, 0xFF
                                 dec r22
                                 brne x3
                        dec r21
                        brne x2
                dec r20
                brne x1
        ; Toggle LEDs
        lds r16, PORTL
        eor r16, r17
        and r16, r18
        sts PORTL, r16
        in r16, PORTB
        eor r16, r17
        and r16, r19
```

out PORTB, r16

jmp main_loop

x1:

x2:

x3: