

```
/*
 * interrupt.asm
 *
 */

.org    $0000
jmp     COLD

.org    INT0addr
jmp     AVBROTT_0

.org    INT1addr
jmp     AVBROTT_1

; --- Cold Start

COLD:
ldi     r16,HIGH(RAMEND)
out     SPH,r16
ldi     r16,LOW(RAMEND)
out     SPL,r16

; --- Configure and enable interrupts

; Configure. Here edge triggered
ldi     r16,(1<<ISC01) | (0<<ISC00) | (1<<ISC11) | (0<<ISC10)
out     MCUCR,r16

; Activate. Here INT1 and INT0
ldi     r16,(1<<INT0) | (1<<INT1)
out     GICR,r16

; Enable Interrupts Globally
sei

WAIT:
jmp     WAIT

;
; --- ISR's, Interrupt Service Routines
;

AVBROTT_0:
push    r16
in      r16,SREG
push    r16
;
; code
;
pop     r16
out     SREG,r16
pop     r16
reti

AVBROTT_1:
push    r16
in      r16,SREG
push    r16
;
; code
;
pop     r16
out     SREG,r16
pop     r16
reti
```