



```
ldi r16, 0xFF
out DDRE, r16
out DDRB, r16
```

```
ldi r16, 0b00000001
out EIMSK, r16
```

```
ldi r16, 0b00000010
sts EICRA, r16
```

```
sei
```

```
;-----
```

```
MAIN:
```

```
ldi r16, 0xFF
out DDRB, r16
out PORTB, r16
com r16
out DDRD, r16
ldi r18, 0xFF
```

```
LOOP:
```

```
nop
rjmp LOOP
```

```
;----- INTERRUPT -----
```

```
INTERRUPT_0:
```

```
push r16
in r16, sreg
push r16
```

```
cpi r18, 0xFF
breq ON
rjmp OFF
```

```
OFF:
```

```
ldi r18, 0xFF
out PORTB, r18
rjmp DONE
```

```
ON:
```

```
ldi r18, 0x00
out PORTB, r18
rjmp DONE
```

```
DONE:
```

```
pop r16
out sreg, r16
pop r16
reti
```

