

```
.INCLUDE "M32DEF.INC"
```

```
.ORG 0
```

```
RJMP main
```

```
.ORG $004
```

```
RJMP rout_0
```

```
.ORG $100
```

```
main: SBI DDRA,1
```

```
CBI DDRD,3
```

```
CLR R16
```

```
SER R17
```

```
OUT SFIOR, R16
```

```
OUT PORTD, R17
```

```
LDI R16,$80
```

```
LDI R17,$00
```

```
LDI R18,246
```

```
LDI R19,$01
```

```
OUT TCNT0,R18
```

```
OUT GICR, R16
```

```
OUT MCUCR,R17
```

```
LDI R21,0
```

```
LDI R22,$05
```

```
OUT SPH, R22
```

```
OUT SPL, R21 ; SP= 0500 h
```

```
SEI
```

```
wait: RJMP wait
```

```
rout_0: OUT TCCR0, R19
```

```
SBI PORTA, 1
```

```
wait2: IN R16, TIFR
```

```
SBRS R16,0
```

```
RJMP wait2
```

CBI PORTA,1

CLR R17

OUT TIFR, R19

OUT TCCR0, R17

OUT TCNT0,R18

RETI

RJMP wait2