```
        .INCLUDE "M32DEF.INC"

        .ORG 0

         RJMP main

        .ORG $100


main:   CLR R16

                OUT DDRA , R16

                OUT PORTA , R16

                OUT SFIOR, R16

                SER R16

                OUT DDRD , R16


LOOP1: IN R17 , PINA

                LDI R18 , $61

                OUT TCCR0 , R18

                OUT TCNT0 , R17

                IN R20 ,TIFR

                RJMP LOOP1
```