

```
.INCLUDE "M32DEF.INC"

.ORG 0

RJMP main

.ORG $100

.DB $3F,$06,$5B,$4F,$66,$6D,$7D,$07,$7F,$6F

.ORG $200
```

```
main:  CBI DDRA,0

        SER R16

        OUT DDRB , R16

        OUT DDRB , R16

        CLR R16

        OUT SFIOR, R16
```

```
L2:      CLR R18
```

```
LOOP1: CLR R17

        IN R17 , PINA

        CPI R17 , 1

        BREQ L1

        RJMP LOOP1
```

```
L1:      INC R18

        LDI R31 , $01

        CLR R30

        ADD R30, R18

        LPM R19 , Z

        OUT PORTB ,R19

        CPI R18,10

        BREQ L2

        RJMP LOOP2
```