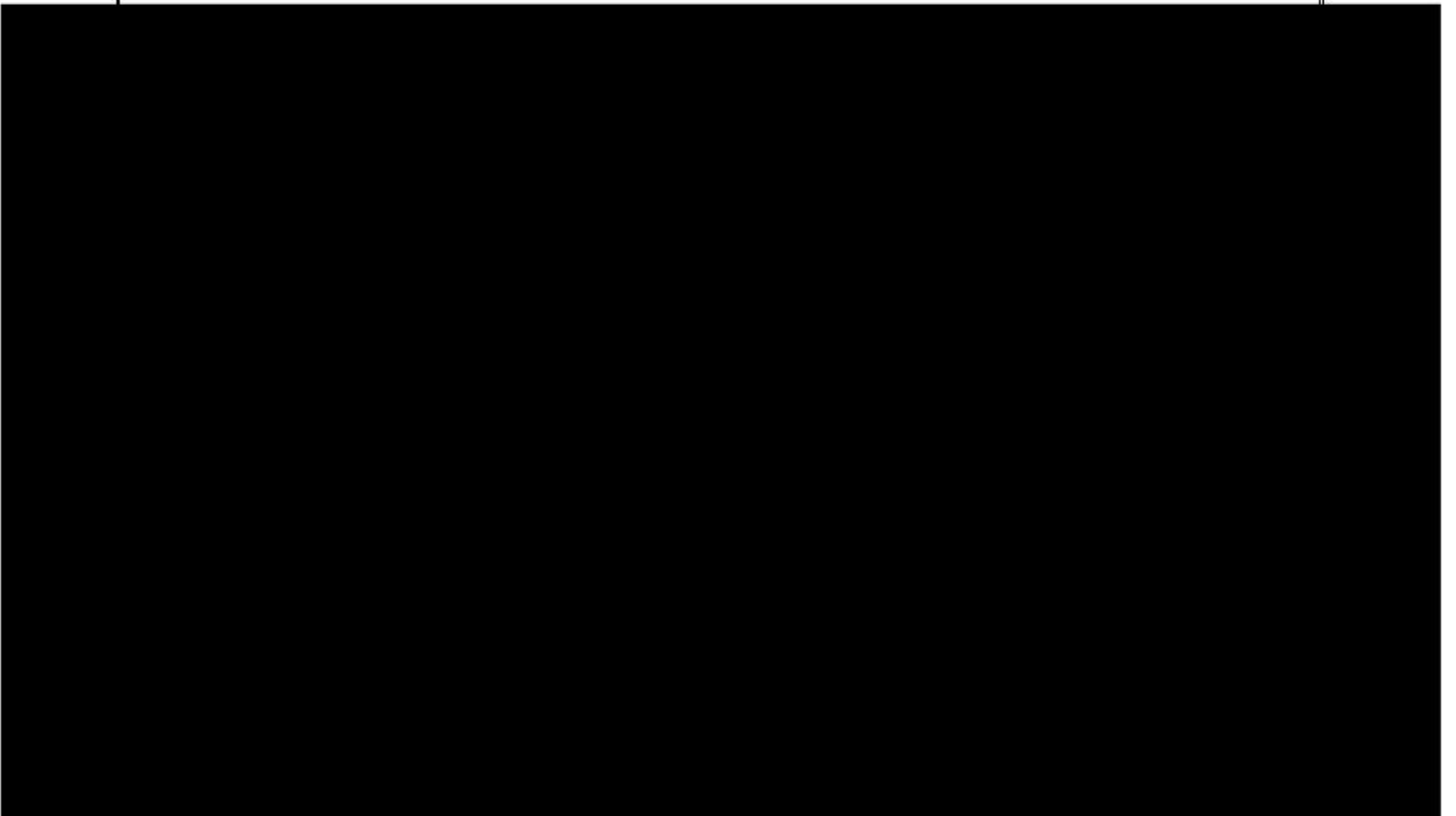




BAŞKENT ÜNİVERSİTESİ
ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ
BÖLÜMÜ

EEM 332~MİKROİŞLEMCİLER

PIC PROJESİ RAPORU



Proje Konusu

7 segment ışık oyunu -7 segment üzerinde sırasıyla a-b-g-d-e-c-f-g bağlantıları yakan program.

Kaynak Kod

```
LIST p=16F84A
INCLUDE "P16F84A.inc"
```

```
__CONFIG __CP_OFF & __WDT_OFF & __PWRTE_ON & __RC_OSC
```

```
ORG 0X00
```

```
S1 EQU H'21'
S2 EQU H'22'
S3 EQU H'23'
CNTR EQU H'24'
```

```
BASLA
```

```
    CLRF    PORTB
    CLRF    CNTR
    BSF     STATUS,5
    CLRF    TRISB
    BCF     STATUS,5
```

```
SHOW
```

```
    MOVLW  B'00100000'
    MOVWF  PORTB
    CALL   DLY
```

```
    MOVLW  B'00010000'
    MOVWF  PORTB
    CALL   DLY
```

```
    MOVLW  B'10000000'
    MOVWF  PORTB
    CALL   DLY
```

```
    MOVLW  B'00000001'
    MOVWF  PORTB
    CALL   DLY
```

```
    MOVLW  B'00000010'
    MOVWF  PORTB
    CALL   DLY
```

```
    MOVLW  B'00000100'
    MOVWF  PORTB
    CALL   DLY
```

```
    MOVLW  B'10000000'
    MOVWF  PORTB
    CALL   DLY
```

```
    MOVLW  B'01000000'
    MOVWF  PORTB
    CALL   DLY
```

```
    GOTO   SHOW
```

```
DLY
```

```
    MOVLW  D'5'
```

```

MOVWF S1
L1    MOVLW D'250'
      MOVWF S2
L2    MOVLW      D'250'
      MOVWF S3
L3    DECFSZ     S3,F
      GOTO L3
      DECFSZ     S2,F
      GOTO L2
      DECFSZ     S1,F
      GOTO L1
RETURN
END

```

Flowchart (Akış Şeması)

