

```

1. #include "p16F84A.inc"
2.
3. __CONFIG _FOSC_EXTRC & _WDTE_OFF & _PWRTE_ON & _CP_OFF
4.
5.
6.
7. #DEFINE      TLAC      PORTA,0
8. #define      LED       PORTA,1
9.
10.             BSF        STATUS,RP0
11.             MOVLW      B'00000001'
12.             MOVWF      TRISA
13.             BCF        STATUS,RP0
14.
15.             BCF        LED
16. START       BTFSS      TLAC
17.             GOTO       $-1
18.             BSF        LED
19.             BTFSC      TLAC
20.             GOTO       $-1
21.
22.             BTFSS      TLAC
23.             GOTO       $-1
24.             BCF        LED
25.             BTFSC      TLAC
26.             GOTO       $-1
27.
28.             GOTO       START
29.
30. END

```