```
259     MOVLW   0x42
260     MOVWF   DATA_EE_DATA
261     GOTO    WRITE_EEPROM
262
263     MOVLW   0x39
264     MOVWF   DATA_EE_DATA
265     GOTO    WRITE_EEPROM
266
267     MOVLW   0x38
268     MOVWF   DATA_EE_DATA
269     GOTO    WRITE_EEPROM
270
271     MOVLW   0x37
272     MOVWF   DATA_EE_DATA
273     GOTO    WRITE_EEPROM
274
275     MOVLW   0x43
276     MOVWF   DATA_EE_DATA
277     GOTO    WRITE_EEPROM
278
279     MOVLW   0x23
280     MOVWF   DATA_EE_DATA
281     GOTO    WRITE_EEPROM
282
283     MOVLW   0x30
284     MOVWF   DATA_EE_DATA
285     GOTO    WRITE_EEPROM
286
287     MOVLW   0x2A
288     MOVWF   DATA_EE_DATA
289     GOTO    WRITE_EEPROM
290
291     MOVLW   0x44
292     MOVWF   DATA_EE_DATA
293     GOTO    WRITE_EEPROM
294
295 WRITE_EEPROM:
296     BCF     INTCON,7
297     MOVF    DATA_EE_DATA,0
298     MOVWF   PORTC
299     MOVF    DATA_EE_ADR,0   ;moves address to w
300     BCF     STATUS,5
301     BSF     STATUS,6
302     MOVWF   EEADR ;Sets Address
303     BCF     STATUS,5
304     BCF     STATUS,6
305     MOVF    DATA_EE_DATA,0 ;moves number pressed to data
306     BCF     STATUS,5
307     BSF     STATUS,6
308     MOVWF   EEDATA ;Move button press to EEPREOM
309     BSF     STATUS,5
310     BSF     STATUS,6
311     BCF     EECON1,7
312     MOVLW   0x55
313     MOVWF   EECON2
314     MOVLW   0xAA
315     MOVWF   EECON2
316     BSF     EECON1,1
317     BSF     INTCON,7
318     BCF     STATUS,5
319     BCF     STATUS,6
320
321     BTFSS   PIR2,4
322     GOTO    $-1
323     BCF     PIR2,4
324
325     BSF     STATUS,5
326     BSF     STATUS,6
327     BSF     EECON1,7
328     BCF     STATUS,5
329     BCF     STATUS,6
330     CALL    DELAY
331     CLRF    PORTC
332     INCF    DATA_EE_ADR,1
333     INCF    ADR_COUNT,1
334     MOVF    DATA_EE_ADR,0
335     BCF     STATUS,2
336     XORLW   10
337     BTFSC   STATUS,2
338     GOTO    RST
339     GOTO    MAIN
340
341
342 DELAY:
343     MOVLW45;27
344     MOVWFCLK3
```

```
345    LOOP3:
346        MOVLW185;185
347        MOVWFCLK2
348    LOOP2:
349        MOVLW32;32
350        MOVWFCLK1
351    LOOP1:
352        DECFSZCLK1;+1(2)
353        GOTOLOOP1;+2
354        DECFSZCLK2;+1(2)
355        GOTOLOOP2;+2
356        NOP;+1
357        NOP;+1
358        NOP;+1
359        NOP;+1
360        DECFSZCLK3;+1(2)
361        GOTOLOOP3;+2
362
363        MOVLW0x1;1
364        MOVWFCLK4
365    FUDGE:
366        DECFSZCLK4;+1(2)
367        GOTOFUDGE
368        RETURN
369
370
371 READ_EEPROM:
372        BCF     INTCON,7
373        MOVF    DATA_EE_ADR,0
374        BCF     STATUS,5
375        BSF     STATUS,6
376        MOVWF   EEADR
377        BSF     STATUS,5
378        BCF     EECON1,7
379        BSF     EECON1,0
380        BCF     STATUS,5
381        MOVF    EEDATA,0
382        BSF     STATUS,5
383        BSF     STATUS,6
384        BSF     EECON1,7
385        BCF     STATUS,5
386        BCF     STATUS,6
387        MOVWF   PORTC
388        CALL    DELAY
389        BSF     INTCON,7
390        INCF    DATA_EE_ADR,1
391        MOVF    DATA_EE_ADR,0
392        BCF     STATUS,2
393        XORWF   ADR_COUNT,0
394        BTFSC   STATUS,2
395        GOTO    RSTR
396
397        GOTO    MAIN
398
399
400 RST:
401        BTFSS   SCAN,2
402        GOTO    MAIN
403        CLRF    DATA_EE_ADR
404        CLRF    PORTC
405        MOVF    ADR_COUNT,0
406        MOVWF   DATA_EE_DATA
407        MOVLW   0x69
408        MOVWF   DATA_EE_ADR
409        CALL    WRITE_COUNT
410        CLRF    DATA_EE_DATA
411        CLRF    DATA_EE_ADR
412        CALL    DELAY
413        CLRF    ADR_COUNT
414        BCF     SCAN,0
415        BCF     SCAN,2
416        BSF     T2CON,2
417        GOTO    MAIN
418
419 RSTR:
420        CLRF    ADR_COUNT
421        CLRF    DATA_EE_ADR
422        CLRF    PORTC
423        BCF     SCAN,1
424        BSF     T2CON,2
425        GOTO    MAIN
426
427
428 WRITE_COUNT:
429        BCF     INTCON,7
430        MOVF    DATA_EE_ADR,0  ;moves address to w
```