

```

1 '$sim
2 $regfile = "m8def.dat"
3 config lcd = 16 * 2
4 dim A as byte      'odczyt stanu faktycznego portu B
5 dim B as byte      'stała jaka ma by•
6 dim T as string * 16      'TEKST USTEREK
7 DIM ZT as string * 3
8 dim i as integer
9
10 CONFIG LCDPIN = PIN , RS = PORTC.5 , E = PORTC.4 , DB4 = PORTC.3 , DB5 = PORTC.2 , DB6 =
PORTC.1 , DB7 = PORTC.0
11
12 config PORTD = input
13 PORTD = &B11111111
14 config PORTB = &B11111110
15 PORTB = &B11111111
16 const t1 = 10
17
18 cls
19 lcd " TEST SSP"
20 wait 5      'poczekaj na wyłączenie wst•pnego ostrzegania
21 cls
22 a = PIND      ' sprawdz stan zasadniczy
23 B = 139
24 lcd "stan zasadniczy"
25 underline
26 lcd "OK"
27 IF A <> B THEN
28 GOSUB sprawdz
29 underline
30 lcd T
31 GOSUB Czekaj
32 END IF
33
34 '=====
35
36 do
37 wait 1
38 reset PORTB.1
39 waitms 500
40 set PORTB.1
41 waitms 500
42 reset PORTB.2
43 waitms 500
44 set PORTB.2
45 a = PIND
46 B = 176
47 cls
48 lcd "Zalaczona(W1)"
49 underline
50 lcd "OK"
51 IF A <> B THEN
52 GOSUB sprawdz
53 underline
54 lcd T
55 GOSUB Czekaj
56 END IF
57
58 '-----
59 wait 4      'czekaj na odwzbudzenie W1
60 cls
61 B = 184
62 lcd "Zjazd z CTI"
63 underline
64 lcd "OK"
65 for i = 0 to 30
66 a = PIND
67 waitms 500
68 IF A <> B THEN
69 GOSUB sprawdz
70 underline
71 lcd T
72 GOSUB Czekaj
73 END IF
74 next i
75
76 '[------
77
78 reset PORTB.3 'wylaczenie dzwonu
79 waitms 500
80 set PORTB.3
81 cls
82 a = PIND

```

```
83     B = 154
84     lcd "Nie dzwoni"
85     underline
86     lcd "OK"
87     IF A <> B THEN
88         GOSUB sprawdz
89         underline
90         lcd T
91         GOSUB Czekaj
92     END IF
93     '-----
94     wait 9
95     B = 138
96     cls
97     lcd "Nie swieci"
98     underline
99     lcd "OK"
100    for i = 0 to 30
101    a = PIND
102    waitms 500
103    IF A <> B THEN
104        GOSUB sprawdz
105        underline
106        lcd T
107        GOSUB Czekaj
108    END IF
109    next i
110    '-----
111        reset PORTB.4
112        waitms 500
113        set PORTB.4
114        waitms 500
115        reset PORTB.5
116        waitms 500
117        set PORTB.5
118    wait 1
119        a = PIND
120        B = 139
121        cls
122        lcd "Wylaczona SSP "
123        underline
124    lcd "OK"
125    IF A <> B THEN
126        GOSUB sprawdz
127        underline
128        lcd T
129        GOSUB Czekaj
130    END IF
131    wait 1
132        cls
133        lcd "Zmiana kierunku"
134    wait 5
135    '-----
136    '=====
137
138        reset PORTB.5
139        waitms 500
140        set PORTB.5
141        waitms 500
142        reset PORTB.4
143        waitms 500
144        set PORTB.4
145        a = PIND
146        B = 56
147        cls
148        lcd "Wlaczanie W2"
149        underline
150        lcd "OK"
151    IF A <> B THEN
152        GOSUB sprawdz
153        underline
154        lcd T
155        GOSUB Czekaj
156    END IF
157    wait 4
158    '-----
159
160        B = 184
161        cls
162        lcd "Zjazd z CTI"
163        underline
164        lcd "OK"
165    for i = 0 to 30
```

```
166     a = PIND
167     waitms 500
168     IF A <> B THEN
169         GOSUB sprawdz
170         lowerline
171         lcd T
172         GOSUB Czekaj
173     END IF
174     next i
175     '-----
176
177
178     reset PORTB.3
179     waitms 500
180     set PORTB.3
181     a = PIND
182     B = 154
183     cls
184     lcd "Nie dzwoni"
185     lowerline
186     lcd "OK"
187     IF A <> B THEN
188         GOSUB sprawdz
189         lowerline
190         lcd T
191         GOSUB Czekaj
192     END IF
193     wait 4
194     '-----
195     wait 9
196     B = 138
197     cls
198     lcd "Nie swieci"
199     lowerline
200     lcd "OK"
201     for i = 0 to 25
202         a = PIND
203         waitms 500
204         IF A <> B THEN
205             GOSUB sprawdz
206             lowerline
207             lcd T
208             GOSUB Czekaj
209         END IF
210     next i
211     '-----
212
213     reset PORTB.2
214     waitms 500
215     set PORTB.2
216     waitms 500
217     reset PORTB.1
218     waitms 500
219     set PORTB.1
220     wait 2
221     a = PIND
222     B = 139
223     cls
224     lcd "Wylaczona SSP"
225     lowerline
226     lcd "OK"
227     IF A <> B THEN
228         GOSUB sprawdz
229         lowerline
230         lcd T
231         GOSUB Czekaj
232     END IF
233     wait 1
234     '-----
235     cls
236     lcd "stan zasadniczy"
237     wait 2
238     '-----
239     loop
240     end
241
242
243     '=====
244     czekaj:
245
246     PORTB.6 = 0      'dioda
247     while PINB.0 = 1
248     waitms 30
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```
249 wend
250 wait 1
251 return
252
253 '-----
254
255 SPRAWDZ:
256 T = "Ust:"
257 IF A.0 <> B.0 THEN
258     ZT = LOOKUPSTR(0 , DAT)
259     T = T + ZT
260 END IF
261
262 IF A.1 <> B.1 THEN
263     ZT = LOOKUPSTR(1 , DAT)
264     T = T + ZT
265 END IF
266
267 IF A.2 <> B.2 THEN
268     ZT = LOOKUPSTR(2 , DAT)
269     T = T + ZT
270 END IF
271
272 IF A.3 <> B.3 THEN
273     ZT = LOOKUPSTR(3 , DAT)
274     T = T + ZT
275 END IF
276
277 IF A.4 <> B.4 THEN
278     ZT = LOOKUPSTR(4 , DAT)
279     T = T + ZT
280 END IF
281
282 IF A.5 <> B.5 THEN
283     ZT = LOOKUPSTR(5 , DAT)
284     T = T + ZT
285 END IF
286
287 IF A.6 <> B.6 THEN
288     ZT = LOOKUPSTR(6 , DAT)
289     T = T + ZT
290 END IF
291
292 IF A.7 <> B.7 THEN
293     ZT = LOOKUPSTR(7 , DAT)
294     T = T + ZT
295 END IF
296
297 DAT:
298 DATA ",Bk" , ",Bs" , ",Kr1" , ",W1" , ",Sw" , ",Dz" , ",Kr2" , ",W2"
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