```
004
                     *
005
                     *
                     *
006
                     *** SCREEN EDITOR PACKAGE ***
007
OOB
                         ____________________
009
010
011
                     ************
012
                     * INITIALISE EDITOR *
013
                     *************
014
015
                     * Sets up a mode O screen, clears OOAB-OOAD, OOAF.
016
                     * Frints text from OOA2 onwards; cursor at top left.
017
018
                     * Exit: HL: Cursor position (top left).
019
                     *
                             AF corrupted, BCDE preserved.
020
021 EBF4 3EFF
                     EINIT
                             MVI
                                    A.:FF
                                              Init mode 0
022 EBF6 CDD9E3
                             CALL
                                    :E3D9
                                              Change to mode 0
023 EBF9 3EOC
                             MVI
                                    A. : OC
024 EBFB CD02E1
                             CALL
                                    :E102
                                              Clear screen
025 EBFE 210000
                             LXI
                                   H,:0000
026 EC01 22A900
                             SHLD
                                    :00A9
027 EC04 22AC00
                             SHLD
                                   : 00AC
028 EC07 7C
                             MOV
                                   A.H
                                              ) Clear edit pointers
029 EC0B 32A800
                             STA
                                   :00A8
030 ECOB 32AB00
                             STA
                                   : 00AB
                                              )
031 ECOE 32AF00
                             STA
                                   : 00AF
                             LHLD :0072
032 EC11 2A7200
                                              Get cursor pos addr
033 EC14 CD6BE3
                             CALL
                                   :E36B
                                              Delete cursor
                             CALL
034 EC17 CD3AEF
                                   :EF3A
                                              Frint full screen from
035
                                              start of edit buffer
036 EC1A CD30E3
                             CALL : E330
                                              Put cursor on screen
037 EC1D C9
                             RET
038
                     *********
039
040
                     * OBEY EDIT *
041
                     *********
042
                      A given character is inserted in the buffer.
043
                                #08 deletes a character
044
                       except:
045
                                #10 moves cursor up
                                #11
                                     moves cursor down
046
                     *
                                #12
                                     moves cursor left
047
                                #13
048
                                     moves cursor right
                                #14
049
                                     moves window up
                     *
                                #15
050
                                     moves window down
                     *
051
                                #16
                                     moves window left
052
                                #17
                                     moves window right
053
                     * Entry: A:
054
                                    Character given.
                     * Exit:
055
                              CY=1: If done.
                              CY=0: Not done.
056
                     *
057
                              ABCDEHL + rest of F preserved.
058
059 EC1E FE08
                    EOBEY
                             CPI
                                   :08
060 EC20 CACCEF
                             JΖ
                                   : EFCC
                                              Delete character
061 EC23 FE10
                             CPI
                                   :10
062 EC25 DA4BEF
                             JC
                                   :EF4B
                                              Insert character
```

JZ

: ED88

Cursor up

063 EC28 CA88ED

```
CPI
                                    :12
064 EC2B FE12
                                               Cursor down
                              JC
                                    : EDAB
065 EC2D DAABED
                                    :EDD3
                                              Cursor left
                              JZ
066 EC30 CADSED
067 EC33 FE14
                              CPI
                                    :14
068 EC35 DAF6ED
                              JC
                                    : EDF6
                                              Cursor right
                                              Window up
069 EC38 CA4BEC
                              JZ
                                    :EC4B
                             CPI
070 EC3B FE16
                                    : 16
                              JC
                                    :ECB3
                                               Window down
071 EC3D DAB3EC
072 EC40 CA50ED
                             JZ
                                   :ED50
                                              Window left
                             CPI
073 EC43 FE17
                                    :17
                              JZ
                                    :ECF8
                                              Window right
074 EC45 CAFBEC
075 EC48 C34BEF
                              JMP
                                    :EF4B
                                              Insert character
076
                     *********
077
078
                     * WINDOW UP *
                     *********
079
080
                     * Moves window up one line.
081
082
083
                     * Exit: All registers preserved.
                              CY=0: Window unchanged.
084
                             CY=1: Window changed.
                     *
085
086
                     EWUP
                             PUSH
087 EC4B D5
                                    D
088 EC4C E5
                             PUSH
                                    Н
089 EC4D F5
                             PUSH
                                    PSW
                                              Get offset of top of window
090 EC4E 2AA900
                             LHLD
                                    : 00A9
091 EC51 7C
                             MOV
                                    A,H
092 EC52 B5
                             DRA
                                    L
                                    : ECDA
                                              Window unchanged if
093 EC53 CADAEC
                             JZ
                                              offset = 0: CY=0
094
                             XRA
095 EC56 AF
096 EC57 32AF00
                                   : 00AF
                             STA
                                              Clear cursor pos in buffer
                                   :00AC
                                              Get Y-offset cursor in
                             LDA
097 EC5A 3AAC00
098
                                              in document
                                              Minus offset top of window
099 ECSD 95
                             SUB
                                    L
100 ECSE FE17
                             CPI
                                    :17
                                              Nr of lines in window -1
                                              Cursor up if at
101 EC60 CCBBED
                             CZ
                                    :ED88
                                              bottom of window
102
103 ED63 2A7200
                             LHLD
                                   :0072
                                              Get cursor pos addr
104 EC66 E5
                             PUSH
                                   H
105 EC67 CD6BE3
                                    :E36B
                                              Delete cursor
                             CALL
106 EC6A CD74EC
                                    :EC74
                             CALL
                                              Move window, correct pntrs
107 EC6D E1
                             POP
                                   H
108 EC6E 117AFF
                     L2E172
                             LXI
                                   D.:FF7A
                                              Length one line
109 EC71 C3D5EC
                             JMF
                                    :ECD5
                                              Put cursor on next line,
110
                                              quit with CY=1
111
112
                     * SCROLL EDIT DISPLAY DOWN ONE LINE:
113
114
                     * Exit: BC preserved. AFDEHL corrupted.
115
116 EC74 C5
                     L2E173
                             PUSH
                                   B
117 EC75 018600
                                   B.:0086
                             LXI
                                              Length one screen line
118 EC78 CD86EC
                             CALL
                                   : EC86
                                              Move window up in text
119
                                              1 line
                             PUSH
120 EC7B D5
                                   D
121 EC7C 2AA900
                                   :00A9
                                              Get offset of top of window
                             LHLD
122 EC7F 2B
                             DCX
                                              -1
                                   H
123 ECBO 22A900
                             SHLD
                                   :00A9
                                              And preserve it
124 EC83 C3EFEC
                                              Print new line of text at
                             JMP
                                   : ECEF
```

window bottom

```
PAGE 03
           DAI FIRMWARE 2EBF4-2EDF5 V1.0 Rev.1
126
127
                     **************
128
                     * MOVE WINDOW IN TEXT *
129
                     ***************
130
131
                     * Moves window up or left.
132
                     * Entry: BC: Offset (#86 for 1 line, #02 for
133
                                   1 position).
134
135
                     * Exit:
                               All registers corrupted.
136
                     L2E174
                             LHLD
                                    :0080
                                              Get addr after end char area
137 EC86 2ABC00
                             MOV
138 EC89 54
                                    D,H
                                               ) in DE
139 EC8A 5D
                             MOV
                                    E,L
                                               )
140 EC8B 09
                              DAD
                                               Add offset
                                    B
141 ECBC EB
                              XCHG
                                              HL: end char area:
                                               DE: end char area + offset
142
143
                     * Move full screen:
144
                                              3 not used locations
145 ECBD 010600
                     L2E175
                             LXI
                                    B.:0006
                                               at line end
146
                             DAD
                                              )
147 EC90 09
                                    B
148 EC91 EB
                             XCHG
                                                Add it to both HL and DE
                             DAD
149 EC92 09
                                                and exchange DE and HL
                                    B
150 EC93 EB
                             XCHG
151 EC94 063C
                             MVI
                                              60 char/line visible
                                    B.:30
152
153
                     * Move one line:
154
155 EC96 23
                     L2E176
                             INX
                                    H
156 EC97 23
                             INX
                                              New destination pntr
157 EC98 13
                             INX
                                    D
158 EC99 13
                             INX
                                    D
                                              New origin potr
159 EC9A 1A
                             LDAX
                                    D
                                              Get one char
160 EC9B 77
                             MOV
                                    M. A
                                              Move it to new screen loc
161 EC9C 05
                             DCR
                                    B
                                              char count -1
                                    :EC96
162 EC9D C296EC
                             JNZ
                                              Next char if not ready
163
164 ECAO 010800
                                              4 not-useable pos at line
                                    B.:0008
                             LXI
165
                                              boundary
166 ECA3 09
                                              HL pnts to end previous line
                             DAD
167
                                               (destination)
168 ECA4 E5
                             PUSH
                                   Н
169 ECA5 2A8A00
                             LHLD
                                    :008A
                                              Get addr start char area
170 ECAB EB
                             XCHG
                                              in DE
                                              Update origin too
171 ECA9 09
                             DAD
                                    :E6FB
172 ECAA CDFBE6
                             CALL
                                              Compare HL-DE
173 ECAD EB
                             XCHG
                                              New origin in DE
174 ECAE E1
                             POP
                                   Ή
                                              Destination in HL
175 ECAF DABDEC
                             JC
                                              Evt another line
                                    :EC8D
176 ECB2 C9
                             RET
177
                     *********
178
179
                     * WINDOW DOWN *
                     **********
180
181
182
                      Moves window down one line.
183
```

\* Exit: ABCDEHL preserved.

CY=0: Window unchanged.

CY=1: Window changed.

184

185

```
D
                              PUSH
                     EWDN
188 ECB3 D5
                              PUSH
                                    н
189 ECB4 E5
                              PUSH
                                    PSW
190 ECB5 F5
                                               Get Y-offset cursor in
                                     : OOAC
                              LHLD
191 ECB6 2AAC00
                                               document
                                               Get offset of top of window
                                     :00A9
                              LDA
193 ECB9 3AA900
                                               Cursor at top of screen ?
                              CMP
                                    L
194 ECBC BD
                                               Then cursor down
                              CZ
                                     : EDAB
195 ECBD CCABED
                                               Quit with CY=0 if
                              JNC
                                     : ECDA
196 ECCO DZDAEG
                                               window unchanged
197
                              XRA
                                    A
198 ECC3 AF
                                               Clear cursor pos in buffer
                              STA
                                     : 00AF
199 ECC4 32AF00
                                               Get cursor pos addr
                              LHLD
                                    :0072
200 ECC7 2A7200
                              PUSH
                                    H
201 ECCA E5
                              CALL
                                     :E36B
                                               Delete cursor
202 ECCB CD6BE3
                                               Scroll edit display up
                                     : ECDF
203 ECCE CDDFEC
                              CALL
                                               one line
204
205 ECD1 E1
                              POP
                              LXI
                                    D.:0086
                                               Length one screen line
206 ECD2 118600
                     L2E177
                                               One line further
                              DAD
                                     D
207 ECD5 19
                     L2E178
                                               Put new cursor on screen
                     L2E179
                              CALL
                                     :E330
208 ECD6 CD30E3
                                               Exit CY=1 if cursor moved
                              STC
209 ECD9 37
                              POP
                                    Н
210 ECDA E1
                     L2E180
211 ECDB 7C
                              MOY
                                     A.H
212 ECDC E1
                              POP
                                    H
213 ECDD D1
                              POP
                                     D
                              RET
214 ECDE C9
215
                       SCROLL EDIT DISPLAY UP ONE LINE:
216
217
                     * Exit: BC preserved, AFDEHL corrupted.
218
219
                     L2E181
                              PUSH
                                    B
220 ECDF C5
                              CALL
                                     :E1CB
                                               Scroll window up 1 line
221 ECEO CDCBE1
                              PUSH
                                    н
222 ECE3 E5
                                               Get offset of top of window
                                     :00A9
223 ECE4 2AA900
                              LHLD
                              INX
                                    H
224 ECE7 23
                                               Preserve it
                                     :00A9
                              SHLD
225 ECE8 22A900
                                               Nr of lines for window
226 ECEB 111700
                              LXI
                                     D.:0017
                                               HL pnts to new line at
227 ECEE 19
                              DAD
                                               window bottom
228
                                               Skip lines
                     L2E182
                              CALL
                                     :EE1C
229 ECEF CD1CEE
                              POP
                                    D
230 ECF2 D1
                                               Print new line of text
231 ECF3 CDCOEE
                              CALL
                                    :EECO
232 ECF6 C1
                              POP
                                    B
                              RET
233 ECF7 C9
234
                     ***********
235
                     * WINDOW RIGHT *
236
                     **********
237
238
                     * Moves window right one position.
239
240
                     * Exit: ABCDEHL preserved.
241
                              CY=0: Window unchanged.
242
                     *
                              CY=1: Window changed.
243
244
                     EWRT
                              PUSH
                                    D
245 ECF8 D5
                                    H
                              PUSH
246 ECF9 E5
                              FUSH
                                    PSW
247 ECFA F5
                                               Get offset of left side
                                     :00A8
                              LDA
248 ECFB 3AA800
```

of window

```
250 ECFE FEC4
                                              256-60 ?
                             CPI
                                   :C4
                                              Abort if window at right end
251 EDOO CADAEC
                             JZ
                                   : ECDA
                                              of text
252
                                              Offset in L
253 ED03 6F
                             MOV
                                   L.A
                                              Get X-offset cursor in
                             LDA
                                   : 00AB
254 ED04 3AAB00
                                              document
255
256 ED07 BD
                             CMP
                                              Cursor at left side of
                                              window ?
257
258 EDOB CCF6ED
                                   :EDF6
                                              Then move cursor right
                             CZ
                                   :0072
259 EDOB 2A7200
                             LHLD
                                              Get cursor pos addr
260 EDOE E5
                             PUSH
                                              Delete cursor
261 EDOF CD6BE3
                             CALL
                                   :E36B
                                              Scroll display left 1 pos
262 ED12 CD1BED
                             CALL
                                   :ED1B
                             POP
263 ED15 E1
                                   H
264 ED16 23
                    L2E184
                             INX
                                   H
265 ED17 23
                             INX
                                   H
                                   :ECD6
                                              Put cursor on screen:
266 ED18 C3D6EC
                             JMP
                                              quit with CY=1
267
268
269
                     * SCROLL EDIT DISPAY LEFT ONE POSITION:
270
                     * Exit: BC preserved. AFDEHL corrupted.
271
272
                             PUSH
273 ED1B C5
                    L2E185
                                   B
274 ED1C O1FEFF
                             LXI
                                   B.: FFFE
                                              -2
275 ED1F CDCEE1
                                   :EICE
                                              Scroll window
                             CALL
                                   8A00:
                                              Get offset of left side
                             LDA
276 ED22 3AAB00
                                              of window
277
278 ED25 3C
                             INR
                                   A
                                              +1
                                   :00AB
                                             Preserve it
279 ED26 32A800
                             STA
                                              +60 (offset right side
280 ED29 C63B
                             ADI
                                   : 3B
                                             of window)
282 ED2B 1182FF
                             LXI
                                   D,:FF82
                                              -7E
283 ED2E 47
                    L2E186
                             MOV
                                   B.A
                                             Offset right side of
                                              window in B
284
                                             Nr of lines in window
285 ED2F 0E18
                             MVI
                                   C.:18
                                   : 00BA
                                             Get pntr to start char area
                             LHLD
286 ED31 2A8A00
                                             Pos 60th char on screen
                                   D
287 ED34 19
                             DAD
                                             in DE
288 ED35 EB
                             XCHG
                             LHLD
                                   : 00A9
                                             Get offset of top of window
289 ED36 2AA900
                                   :EE1C
                                             Skip lines
290 ED39 CD1CEE
                             CALL
291
                    * Put newly visible 60th character on screen:
292
293
294 ED3C CD7BEE
                   L2E187
                             CALL
                                   : EE7B
                                             Skip to Bth pos on line
                                             Next visible char in window
295 ED3F 12
                             STAX
                                   D
296 ED40 CD38EE
                             CALL
                                   : EE38
                                             Next line
                             PUSH
                                  Н
297 ED43 E5
                             LXI
                                   H.:FF7A
                                             -86 (length one line)
298 ED44 217AFF
299 ED47 19
                             DAD
                                             Pnts to 60th char on
                                             next line
300
301 ED48 EB
                             XCHG
                             POP
                                   H
302 ED49 E1
                             DCR
                                   C
303 ED4A OD
                                             Update line count
304 ED4B C23CED
                   L2E188 JNZ
                                   : ED3C
                                             Scroll next line if not
                                             ready
305
                             POP
                                   B
306 ED4E C1
307 ED4F C9
                             RET
308
                    ******
309
310
                    * WINDOW LEFT *
```

\*\*\*\*\*\*

```
DAI FIRMWARE ZEBF4-ZEDF5 V1.0 Rev.1
PAGE 06
312
                     * Moves window left one position.
313
314
                     * Exit: ABCDEHL preserved.
315
                              CY=0: Window unchanged.
316
                     *
                              CY=1: Window changed.
317
318
319 ED50 D5
                     EWLF
                              PUSH
                                    D
                              PUSH
                                    H
320 ED51 E5
                              PUSH
                                    PSW
321 ED52 F5
                                    :00A8
                                               Get offset of left side
322 ED53 3AAB00
                              LDA
                                               of window
323
                              DRA
324 ED56 B7
                                               Abort if offset = 0
                              JZ
                                    : ECDA
325 ED57 CADAEC
                              MOV
                                               Offset in L
                                    L,A
326 ED5A 6F
327 ED5B 3AABOO
                              LDA
                                    : 00AB
                                               Get X-offset of cursor
                                               in document
328
329 ED5E 95
                              SUB
                                    L
                              CPI
                                    :3B
                                               Cursor at right side of
330 ED5F FE3B
                                               window ?
331
                              CZ
                                    :EDD3
                                               Then cursor left
332 ED61 CCD3ED
                                    :0072
333 ED64 2A7200
                              LHLD
                                               Get cursor pos addr
334 ED67 E5
                              PUSH
                                    н
335 ED68 CD6BE3
                              CALL
                                    :E36B
                                               Delete cursor
336 ED6B CD74ED
                              CALL
                                    :ED74
                                               Move window, correct pntrs
                              POP
337 ED6E E1
                                    H
338 ED6F 2B
                     L2E189
                              DCX
                                    H
339 ED70 2B
                              DCX
                                    H
                                               New cursor pos
                              JMP.
340 ED71 C3D6EC
                                    : ECD6
                                               Put cursor on screen;
                                               quit with CY=1
341
342
                     * SCROLL EDIT DISPLAY RIGHT ONE POSITION:
343
344
                     * Exit: BC preserved: AFDEHL corrupted.
345
346
347 ED74 C5
                     L2E190
                              PUSH
                                    B
                              LXI
                                    B.:0002
348 ED75 010200
                                    : EC86
                              CALL
                                               Move window in text
349 ED78 CD86EC
                              LDA
                                    :00AB
                                               Get offset of left side
350 ED7B 3AAB00
                                               of window
351
                              DCR
                                    A
                                               -1
352 ED7E 3D
353 ED7F 32A800
                              STA
                                    8A00:
                                               Preserve it
                              LXI
                                    D,:FFF8
                                               Gives in EDZE 1st pos
354 ED82 11F8FF
355
                                               on 1st screen line
                              JMP
                                               Scroll display left
                                    :ED2E
356 ED85 C32EED
357
358
                     *********
                     * CURSOR UP *
359
360
                     *********
361
                     * Moves cursor up one position.
362
363
                     *
                     * Exit: ABCDEHL preserved.
364
365
                              CY=0: Cursor not moved.
                     *
                              CY=1: Cursor moved.
366
367
                     ECUP
                              PUSH
                                    D
368 ED88 D5
                              PUSH
                                    H
369 ED89 E5
370 ED8A F5
                              PUSH
                                    PSW
                                               Get Y-offset cursor in
371 ED8B 2AACOO
                              LHLD
                                    : 00AC
                                               document
372
373 ED8E 70
                              MOV
                                    A.H
```

435 EDD4 ES

```
374 ED8F B5
                            ORA
375 ED90 CADAEC
                            JZ
                                  :ECDA
                                            Quit if cursor at top
376
                                            left: CY=0
377 ED93 AF
                           XRA
                                  A
37B ED94 32AF00
                                  :00AF
                           STA
                                            Clear cursor pos in buffer
379 ED97 3AA900
                           LDA
                                 :00A9
                                            Get offset of top of window
380 ED9A BD
                           CMP
                                            Cursor at top of window ?
381 ED9B CC4BEC
                           CZ
                                  :EC4B
                                            Then window up
382 ED9E 28
                            DCX
383 ED9F 22AC00
                            SHLD : OOAC
                                            Store Y-offset cursor in
                                            document
385 EDA2 2A7200
                            LHLD :0072
                                            Get cursor pos addr
386 EDA5 CD6BE3
                            CALL :E36B
                                            Delete cursor
                            JMP
387 EDAS C3D2EC
                                 :ECD2
                                            Put cursor on new pos;
388
                                            quit with CY=1
389
                    **********
390
391
                    * CURSOR DOWN *
                    ******
392
393
394
                    * Moves cursor down one position.
395
                   * Exit: ABCDEHL preserved.
396
                            CY=0: Cursor not moved.
397
                   *
                            CY=1: Cursor moved.
398
399
                    *
                   ECDN
                            PUSH
                                 D
400 EDAB D5
401 EDAC E5
                            PUSH
                                 PSW
402 EDAD F5
                            PUSH
403 EDAE 2AACOO
                            LHLD
                                 :00AC
                                            Get Y-offset cursor in
404
                                            in document
405 EDB1 23
                           INX
                                            +1
406 EDB2 E5
                           PUSH H
                                            Preserve it
407 EDB3 CD1CEE
                           CALL : EE1C
                                            Skip lines
                           POP
408 EDB6 E1
                                H
409 EDB7 D2DAEC
                           JNC
                                 : ECDA
                                            No move if cursor at last
410
                                            line of text: CY=0
411 EDBA AF
                           XRA A
412 EDBB 32AF00
                           STA : OOAF
                                            Clear cursor pos in buffer
                           LDA :00A9
413 EDBE 3AA900
                                            Get offset of top of window
414 EDC1 C618
                           ADI
                                 :18
                                            24 lines in window
415 EDC3 BD
                           CMP
                                            Cursor at window bottom ?
                                 L
416 EDC4 CCB3EC
                           CZ :ECB3
                                            Then window down
                                            Store Y-offset cursor in
417 EDC7 22AC00
                            SHLD : OOAC
418
                                           document
419 EDCA 2A7200
                           LHLD :0072
                                            Get cursor pos addr
420 EDCD CD6BE3
                            CALL :E36B
                                            Delete cursor
421 EDDO C36EEC
                            JMP
                                : EC6E
                                            Put cursor on new pos;
422
                                            quit with CY=1
423
424
                    **********
425
                    * CURSOR LEFT *
426
                    **********
427
428
                    * Moves cursor left one position.
429
                    * Exit: ABCDEHL preserved.
430
431
                    *
                           CY=0: Cursor not moved.
432
                    *
                            CY=1: Cursor moved.
433
                   ECLF
                           PUSH D
434 EDD3 D5
```

FUSH H

## PAGE 08 DAI FIRMWARE 2EBF4-2EDF5 V1.0 Rev.1

436	EDD5	F5"		PUSH	PSW	
437	EDD6	JAABOO		LDA	:00AB	Get offset of left side
438						of window
439	EDD9	6F		MOV	L,A	in L
440	EDDA	SAABOO		LDA	: 00AB	Get X-offset cursor in
441						document
442	EDDD	B7		DRA	A	
443	EDDE	CADAEC		JZ	: ECDA	Abort if X-offset = 0
444	EDE1	BD		CMP	L	Cursor at left side of
445						window ?
446	EDE2	CCSOED		CZ	:ED50	Then window left
447	EDE5	3D		DCR	A	X-offset -1
448	EDE6	32AB00		STA	:00AB	Preserve it
449	EDE9	AF		XRA	A .	
450	EDEA	32AF00		STA	:00AF	Clear cursor pos in buffer
451	EDED	2A7200		LHLD	:0072	Get cursor pos addr
452	EDFO	CD6BE3		CALL	:E36B	Delete cursor
453	EDF3	C316ED		JMP	:ED16	Put cursor on new pos;
454						quit with CY=1
455			*			
456			*			
457			*			
458	EDF6			END		

ECDN	EDAB	ECLF	EDD3	ECUP	ED88	EINIT	EBF4
EOBEY	EC1E	EWDN	ECB3	EWLF	ED50	EWRT	ECF8
EWUP	EC4B	L2E172	EC6E	L2E173	EC74	L2E174	EC86
L2E175	ECBD	L2E176	EC96	L2E177	ECD2	L2E178	ECD5
L2E179	ECD6	L2E180	ECDA	L2E181	ECDF	L2E182	ECEF
L2E184	ED16	L2E185	ED1B	L2E186	ED2E	L2E187	ED3C
L2E188	ED4B	L2E189	ED6F	L2E190	ED74		

```
PAGE 01
           DAI FIRMWARE 2EDF6-2EFFF V1.0
                                             Rev. 1
002
                              DRG
                                    :EDF6
003
                     *
004
005
006
                     **********
007
                     * CURSOR RIGHT *
                     **********
008
009
010
                     * Moves cursor right one position.
011
012
                     * Exit: ABCDEHL preserved.
013
                             CY=0: Cursor not moved.
014
                     *
                             CY=1: Cursor moved.
015
                     *
016 EDF6 D5
                     ECRT
                             PUSH
                                    D
017 EDF7 E5
                             PUSH
                                    н
018 EDF8 F5
                             PUSH
                                    PSW
019 EDF9 3AA800
                                              Get offset of left side
                             LDA
                                    :00A8
020
                                              of window
021 EDFC C63B
                             ADI
                                    :3B
                                              Calc end of window
022 EDFE 6F
                             YOM
                                    L,A
                                              Result in L
023 EDFF 3AABOO
                             LDA
                                    : 00AB
                                              Get X-offset of cursor
024
                                              in document
025 EE02 FEFF
                             CPI
                                    :FF
                                              Max or char/line reached ?
026 EE04 CADAEC
                             JZ
                                              Then quit with CY=0
                                    : ECDA
027 EE07 BD
                             CMP
                                    L
                                              End of window reached ?
028 EE08 CCF8EC
                             CZ
                                    :ECF8
                                              Then window right
029 EE0B 3C
                             INR
                                              Incr cursor pos on line
030 EEOC 32AB00
                                              Store X-offset of cursor
                             STA
                                    : 00AB
031
                                              in document
032 EEOF AF
                             XRA
033 EE10 32AF00
                             STA
                                    :00AF
                                              Clear cursor pos in buffer
034 EE13 2A7200
                             LHLD
                                    :0072
                                              Get cursor pos addr
                                    :E36B
035 EE16 CD6BE3
                             CALL
                                              Delete old cursor
036 EE19 C36FED
                             JMP
                                    :ED6F
                                              Put new cursor on screen:
037
                                              quit with CY=1
038
                     ******************
039
040
                     * SKIP LINES IN EDIT BUFFER *
                     *****************
041
042
                       Entry: HL: Number of lines to be skipped.
043
                              HL: Points to 1st not skipped line.
044
                     * Exit:
045
                              CY=1: 0.K.
046
                     *
                              CY=0: End of text reached before count
                     *
047
                                     is zero.
                     *
                              ABCDE preserved.
048
049
                     L2E191
050 EE1C D5
                             PUSH
                                   D
                             PUSH
                                   PSW
051 EE1D F5
052 EE1E EB
                             XCHG
                                              Count in DE
053 EE1F 2AA200
                             LHLD
                                   :00A2
                                              Get startaddr editbuf
                     L2E192
054 EE22 7A
                             MOV
                                   A,D
055 EE23 B3
                             ORA
                                              ) Abort with CY=1 if ready
                             JZ
056 EE24 CA33EE
                                   :EE33
                                              ١
057 EE27 CD38EE
                             CALL
                                   : EE38
                                              Next line
```

buffer reached before DE=0 062 EE2F 1B DCX D Count -1 063 EE30 C322EE JMP :EE22 Skip next line

NOP

ORA

:EE34

Abort with CY=0 if end of

JZ

058 EE2A 00 059 EE2B B7

061

060 EE2C CA34EE

```
PAGE 02 DAI FIRMWARE 2EDF6-2EFFF V1.0 Rev.1
```

```
L2E193
                             STC
064 EE33 37
                    L2E194
                             POP
                                   D
065 EE34 D1
                             MOV
                                   A. D
066 EE35 7A
                             POP
                                   D
067 EE36 D1
                             RET
068 EE37 C9
069
                    *********
070
                     * NEXT LINE *
071
                     *********
072
073
                     * Entry: HL: points to text, each line ended by
074
                                  a car.ret, last line followed by 0.
075
                              HL: Points to next line.
                     * Exit:
076
                                  O if end of text reached, else CR.
077
                    *
                              BCDE preserved.
078
079
                    L2E195
                                             Get char from text
                             MOV
                                   A,M
080 EE38 7E
081 EE39 B7
                             ORA
                                   A
082 EE3A CA43EE
                             JZ
                                   : EE43
                                             Ready if end of text reached
                             INX
                                   H
083 EE3D 23
084 EE3E FE0D
                             CPI
                                   : OD
                                             Car.ret ?
                                             Loop till end of line found
                             JNZ
                                   : EE38
085 EE40 C238EE
086 EE43 C9
                    L2E196
                             RET
087
                     ***************
088
                     * FIND CURRENT POSITION IN EDIT BUFFER *
089
                     ****************
090
091
                     * Exit: CY=1: HL: (00AF/AE) = cursor position in
092
                                       buffer.
093
                             CY=0: HL: Points to cursor line in the
                    *
094
                                       edit buffer.
095
                     *
                     *
                             ABCDE preserved.
096
097
                   L2E197
                             LHLD
                                   : 00AE
                                             Get pntr to cursor pos
098 EE44 2AAE00
                                             in buffer
099
                             DCR
                                   н
100 EE47 25
101 EE48 24
                             INR
                                   н
102 EE49 67
                             STC
                                             Quit (CY=1) if (AF) <> 0
                             RNZ
103 EE4A CO
                             PUSH
104 EE4B D5
                                   D
105 EE4C C5
                             PUSH
                                   В
106 EE4D F5
                             PUSH
                                   PSW
                                             Get Y-offset of cursor
107 EE4E 2AACOO
                             LHLD
                                   : 00AC
                                             in document (no lines to
108
                                             be skipped)
109
110 EE51 54
                             MOV
                                   D.H
                                             ) in DE
111 EE52 5D
                             MOV
                                   E,L
112 EE53 CD1CEE
                             CALL
                                   :EE1C
                                             Skip lines
                                             Store pntr to start cursor
113 EE56 22B200
                             SHLD
                                   :00B2
                                             line in buffer
114
                                             and preserve it
115 EE59 E5
                            PUSH
                                             Get offset of top of window
116 EE5A 2AA900
                            LHLD
                                   :00A9
                                             Calc difference
117 EE5D CDF2E6
                             CALL
                                   :E6F2
                             MVI
                                             Length one line
118 EE60 3E86
                                   A.:86
                                             Calc total length
119 EE62 CD46EB
                             CALL
                                   :EB46
                                             Result in DE
120 EE65 EB
                             XCHG
121 EE66 2ABA00
                             LHLD
                                   :008A
                                             Get startaddr char area
122 EE69 19
                                             Add offset
                             DAD
                                   D
123 EE6A 22B000
                            SHLD
                                   :00B0
                                             Preserve pntr to start
124
                                             cursor line on screen
125 EE6D E1
                             POP
                                             Get pntr to start cursor
                                   н
```

187 EEAS C9

```
line in buffer
126
                                              Get X-offset of cursor
127 EE6E 3AABOO
                             LDA
                                    : OOAB
128
                                              in document
                             MOV
                                    B.A
                                              in B
129 EE71 47
                             CALL
                                    :EE7B
                                              Skip to Bth pos on line
130 EE72 CD7BEE
                                              exit: HL pnts to cursor pos
131
                             POP
                                    В
132 EE75 C1
                             MOV
                                   A.B
133 EE76 78
                             POP
                                    B
134 EE77 C1
135 EE78 D1
                             POP
                                   D
                             CMC
                                              Abort with CY=0
136 EE79 3F
                             RET
137 EE7A C9
138
                     *****************
139
                     * SKIP TO Bth POSITION ON TEXT LINE *
140
                     *************
141
142
                     * Looks through a textline until Bth position is
143
                     * found. On exit, character on this position is
144
                     * in A.
145
146
                      Entry: HL: Start text line.
147
                                  Number of position in line.
                              R:
148
                              CY=0: Position found:
149
                      Exit:
                                         Character on that position.
150
                     *
                                     HL: Points to Bth position.
151
                     *
                                     BCDE preserved.
152
                     *
                              CY=1: Bth position is beyond car.ret.
153
                     *
                                     tab or end of text.
154
                     *
                                    HL: Points to CR. tab or O.
155
                     *
                                         Space.
                                     A:
156
157
                     L2E198
                             PUSH
                                   B
158 EE7B C5
                             PUSH
                                   D
159 EE7C D5
                                              Init count
160 EE7D 0E00.
                             MVI
                                   C.:00
                    L2E199
                             JMP
                                   :DIFD
                                              Evaluate character
161 EE7F C3FDD1
                                              Abort if Bth pos reached
162 EE82 CAA3EE
                     L2E200
                             JZ
                                    : EEA3
                             ORA
                                              Set flags on char
163 EE85 B7
                                              Jump if end of text reached
164 EE86 CAAOEE
                             JZ
                                   : EEAO
165 EE89 FEOD
                             CPI
                                   : OD
                                    : EEAO
                                              Jump if char is car.ret
166 EEBB CAAOEE
                             JZ
                             CF I
                                    : 09
167 EE8E FE09
168 EE90 CA98EE
                             JZ
                                    : EE98
                                              Jump if char is tab
169 EE93 OC
                             INR
                                   C
                                              Incr count
                     L2E201
                                              Pots to next pos on line
170 EE94 23
                             INX
                                    H
171 EE95 C37FEE
                             JMF.
                                    :EE7F
                                              Loop untill ready
172
173
                     * If character is tab:
174
175 EE98 CDA6EE
                     L2E202
                             CALL
                                              Tabulate
                                    :EEA6
                                    A.B
176 EE9B 78
                             MOV
                                              Read pos in A
177 EE9C B9
                             CMP
                                    C
                                              Compare with tab stops
                                    :EE94
                                              Continu if not past tab
178 EE9D D294EE
                             JNC
179
180
                     * If end of line or end of text reached or if
                     * past tab:
181
182
                                              Set char is space
                     L2E203
                             MVI
                                    A,:20
183 EEA0 3E20
184 EEA2 37
                             STC
                                              Abort with CY=1
                             POP
                                   D
                     L2E204
185 EEA3 D1
186 EEA4 C1
                             PDP
                                    B
```

RET

```
DAI FIRMWARE 2EDF6-2EFFF V1.0 Rev.1
PAGE 04
188
                     *******
189
                     * TABULATE *
190
                     ********
191
192
                     * Routine goes through tab-table for 1st
193
                      tab-stop > C.
194
195
                                         Pointer to tab-table.
                     * Entry: 00B4/B5:
196
                              C:
                                         Line position.
197
                              If found: Tab in C.
                     * Exit:
198
                                         C = C + 1.
                              Else:
199
                     *
                              AFBDEHL preserved.
200
201
                     L2E205
                             PUSH
                                   PSW
202 EEA6 F5
                             PUSH
                                   В
203 EEA7 C5
                             PUSH
                                   Н
204 EEAB E5
                                   :00B4
                                              Get addr tab table
                             LHLD
205 EEA9 2AB400
206 EEAC 41
                             MOV
                                              Line pos in B
                     L2E206
                                   B.C
                                              +1
207 EEAD 04
                             INR
                                   В
                             MOV
                                   A.M
                                              Get tab from table
208 EEAE 7E
                             DRA
209 EEAF B7
                                   A
210 EEBO CABAEE
                             JZ
                                    : EEBA
                                              If end tab table reached
                             TNX
                                              Pots to next tab
211 EEB3 23
                                   н
212 EEB4 47
                                              Tab in B
                             MOV
                                   B.A
                             MOV
                                              Line pos in A
213 EEB5 79
                                   A, C
                             CMP
                                   B
214 EEB6 B8
                                              Get next tab if line
                             JNC
                                   : EEAC
215 EEB7 D2ACEE
                                              pos > tab stop
216
                     L2E207
                             MOV
                                   C.B
                                              Replace line pos by tab stop
217 EEBA 48
                                              or by line pos +1 if no tab
218
                                              found
219
                             POP
                                   Н
220 EEBB E1
                             PDP
                                   PSW
221 EEBC F1
                                   B.A
                             MOV
222 EEBD 47
223 EEBE F1
                             POP
                                   PSW
                             RET
224 EEBF C9
225
                     **********
226
                     * PRINT LINE OF TEXT IN WINDOW /
227
                     ***********
228
229
                     * Entry: HL:
                                    Address of textline in buffer.
230
                                    Line control byte of screen line
                              DE:
231
                     *
                                    to print text on.
232
                              OOA8: Number of non-printing positions.
                     *
233
234
                      During execution loop:
235
                                   Nr of non-printing pos left +1.
236
                                   Nr of screen line pos left.
                     *
                              C:
237
                                   Current text line position.
                     *
                              D:
238
                                   Count of blanks inserted.
                     *
                              E:
239
                                   Points to text.
                     *
                              HL:
240
                     *
                              TOS: Points to screen.
241
242
                             PUSH
                     L2E208
                                   B
243 EEC0 C5
                             XCHG
244 EEC1 EB
                             LXI
                                   B.:FFF8
245 EEC2 01F8FF
                             DAD
                                              1st printable pos on screen
                                   В
246 EEC5 09
                                              in DE
247 EEC6 EB
                             XCHG
                             LDA
                                   :00A8
                                              Get offset of left side
248 EEC7 3AA800
```

of window

```
250 EECA 3C
                              INR
                                    A
                              MOV
                                    B, A
                                               B is offset +1
251 EECB 47
252 EECC OE3C
                              MVI
                                               60 visible characters
                                    C,:3C
                              PUSH
                                    D
                                               Preserve start screen line
253 EECE D5
                                    D,:00
254 EECF 1600
                              MVI
                                               ) Init current text pos
255 EED1 5A
                              MOV
                                    E,D
                                               ) and blanks count
256
257
                     * Loop:
258
259 EED2 3E20
                     L2E209
                              MVI
                                    A.:20
                                               Space
260 EED4 1D
                              DCR
                                    E
                              INR
                                    E
261 EED5 1C
                                               E<>0: Update screen pos pntr
                              JNZ
                                    : EEEC
262 EED6 CZECEE
                              MOV
                                    A,M
                                               Else: Get char from buffer
263 EED9 7E
                                    A
                                               Set flags on char
264 EEDA B7
                              DRA
265 EEDB C3D1D1
                              JMP
                                    : D1D1
                                               Test character
                              CPI
266 EEDE FEOD
                     L2E210
                                    : OD
267 EEEO CAECEE
                              JZ
                                    : EEEC
                                               Skip tab-handling if CR
                                    E,:00
                              MVI
                                               Reset blanks count
268 EEE3 1E00
269 EEE5 23
                              INX
                                    H
                                               Pnts to next char in text
                                    :09
                              CPI
                                               Tab ?
270 EEE6 FE09
271 EEEB CAOBEF
                              JZ
                                    : EF08
                                               Then tab-handling
                              INR
                                    E
272 EEEB 1C
                     L2E211
                     L2E212
                              DCR
                                    E
                                               Update blanks count
273 EEEC 1D
                                               Update line position
274 EEED 14
                              INR
                                    D
                                               and nr of pos left in window
275 EEEE 05
                              DCR
                                    B
                              JNZ
                                    :EED2
                                               No printing, cont with
276 EEEF C2D2EE
                                               next char
277
278 EEF2 04
                              INR
                                    B
                              XTHL
                                               Screen pos in HL
279 EEF3 E3
                              MOV
                                    M, A
                                               Display char on screen
280 EEF4 77
281 EEF5 2B
                              DCX
                                    H
                                               Next screen pos
282 EEF6 2B
                              DCX
                                    H
                                               Preserve it
                              XTHL
283 EEF7 E3
                                               End of screen line reached ?
284 EEF8 OD
                              DCR
285 EEF9 C2D2EE
                              JNZ
                                               Next char if not
                                    :EED2
                              CALL
                                    :EE38
                                               Else: next line
286 EEFC CD38EE
                              XTHL
                                               HL is screen pos
287 EEFF E3
                                    D.: FFFA
288 EFOO 11FAFF
                              LXI
                                               HL is 1st useable pos
289 EF03 19
                              DAD
                                    D
                                               on next line
290
                                               into DE
291 EF04 EB
                              XCHG
                              POP
                                    H
292 EF05 E1
293 EF06 C1
                              POP
                                    В
                              RET
294 EF07 C9
295
                     * Tab-handling:
296
297
298 EF08 C5
                     L2E213
                              PUSH
                              MOV
                                    C,D
                                               C is pos on current line
299 EF09 4A
                              CALL
                                    : EEA6
                                               Tabulate
300 EFOA CDA6EE
301 EFOD 79
                                    A.C
                                               Next tab stop in A
                              MOV
                              SUB
                                    D
                                               ) Calc blanks to be inserted
302 EF0E 92
                              DCR
                                    A
303 EFOF 3D
                              MOY
304 EF10 5F
                                    E.A
                                               Update blanks count
305 EF11 C1
                              POP
                                    B
306 EF12 3E09
                              MVI
                                    A.:09
                                               Restore tab char in A
307 EF14 C3EBEE
                                    : EEEB
                              JMP
308
309
                     ****************
                     * PRINT A COMPLETE WINDOW *
310
```

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

```
PAGE 06 DAI FIRMWARE 2EDF6-2EFFF V1.0 Rev.1
```

```
312
                    * Text is printed in window from (DE) to bottom
313
                    * text screen if text ends. A ASCII O (vertical
314
                    * bar) is printed at the beginning of all
315
                    * following lines.
316
317
                    * Entry: HL: Points to text.
318
                             DE: Points to line control byte screen line
319
                    * Exit:
                             HL: Points to next line to print.
320
                    *
                             DE: Bottom text screen.
321
                             AF corrupted, BC preserved.
322
                    *
323
324 EF17 E5
                    L2E214
                            PUSH
325 EF18 2A8C00
                            LHLD
                                  :0080
                                             Get bottom text screen
                            CALL
                                             Compare HL-DE
326 EF1B CDFBE6
                                  : E6FB
                            POP
327 EF1E E1
328 EF1F CA28EF
                            JZ
                                  :EF28
                                             Quit if window full
                                             Print a textline
329 EF22 CDCOEE
                            CALL
                                  :EECO
330 EF25 C317EF
                            JMP
                                  :EF17
                                             Loop until ready
331 EF28 C9
                    L2E215
                            RET
332
                    *************
333
                    * PRINT A TEXT LINE POINTED BY (00B2) *
334
                    * ON SCREEN POSITION (OOBO) IN WINDOW *
335
                    *************
336
337
338
                    * Exit: All registers preserved.
339
340 EF29 F5
                    L2E216
                            PUSH
                                  PSW
                            PUSH
341 EF2A C5
                                  B
                            PUSH
                                  D
342 EF2B D5
343 EF2C E5
                            PUSH
                                  H
344 EF2D 2AB000
                            LHLD
                                  : 00B0
                                             Get pntr to start cursor
345
                                             line on screen
346 EF30 EB
                            XCHG
                                             in DE
347 EF31 2AB200
                            LHLD
                                  :00B2
                                             Get potr to start cursor
                                             line in buffer
348
349 EF34 CDCOEE
                            CALL
                                  :EECO
                                             Print a text line
350 EF37 C338E1
                            JMP
                                  :E138
                                            Popall, ret
351
352
                    **************
                    * PRINT FULL SCREEN *
353
                    ********
354
355
                    * Prints from Nth line in full screen window.
356
                    * N is the offset of the top of the window from
357
                    * the start of the edit buffer.
358
359
360
                    * Exit: All registers preserved.
361
362 EF3A F5
                    L2E217
                            PUSH
                                  PSW
363 EF3B C5
                            PUSH
                                  B
364 EF3C D5
                                  D
                            PUSH
                            PUSH
365 EF3D E5
366 EF3E 2ABA00
                                            Get startaddr char area
                            LHLD
                                  :00BA
367 EF41 EB
                            XCHG
                                            in DE
368 EF42 2AA900
                            LHLD
                                            Get offset of top of window
                                  :00A9
369 EF45 CD1CEE
                            CALL
                                  :EE1C
                                            Skip lines
370 EF48 C385CE
                            JMP
                                  : CE85
                                            Print complete window
371
```

```
PAGE 07 DAI FIRMWARE 2EDF6-2EFFF V1.0 Rev.1
                    ***********
374
                    * INSERT CHARACTER IN BUFFER *
375
                    *****************
376
377
                    * Entry: Character in A.
378
                             ABCDEHL preserved.
                    * Exit:
379
380
                             CY=0: Buffer full, no action.
                    *
                             CY=1: Character inserted.
381
382
                            PUSH
                   EINCH
                                  B
383 EF4B C5
                            PUSH
                                  PSW
384 EF4C F5
                            PUSH
                                  D
385 EF4D D5
                            PUSH
386 EF4E E5
                                  Н
387 EF4F 47
                            MOV
                                  B.A
                                            Char in B
                            LHLD
                                             Get end available space
388 EF50 2AA600
                                  :00A6
                            XCHG
                                             in DE
389 EF53 EB
                                  : 00A4
                                             Get input pointer
                            LHLD
390 EF54 2AA400
391 EF57 CDFBE6
                            CALL
                                  :E6FB
                                             Compare HL-DE
392 EF5A EB
                            XCHG
                                             Input potr in E
                                            Char in A
393 EF5B 78
                            MOV
                                  A.B
                                             Space available: Find
                            CC
                                  :EE44
394 EF5C DC44EE
                                            current pos in buffer
395
396 EF5F D296EF
                                  : EF96
                                            Buffer full: quit, char in A
                            JNC
                                            Preserve end available space
397 EF62 E5
                            FUSH
                                  H
                            LHLD
                                  :0072
                                            Get cursor pos addr
398 EF63 2A7200
                                            Put it on stack
399 EF66 E3
                            XTHL
400 EF67 E5
                            PUSH
                                  H
                                            Delete cursor
                                  :E36B
401 EF68 CD6BE3
                            CALL
402 EF6B EB
                            XCHG
                                             Old input potr in HL
                            NOF
403 EF6C 00
404 EF6D 23
                            INX
                                  H
405 EF6E 22A400
                                  :00A4
                                            Update input pointer
                            SHLD
                            DCX
                                  H
406 EF71 2B
407 EF72 44
                            MOV
                                             ) Old input pntr in BC
                                  B.H
408 EF73 4D
                            MOV
                                  C,L
409 EF74 2B
                            DCX
                                  н
410 EF75 EB
                            XCHG
                                            Old input pntr -1 in DE
                            POP
411 EF76 E1
                                  н
                                            Get end available space
                           DCX
412 EF77 2B
                                  н
                                            -1
413 EF78 CDC2E6
                            CALL
                                  :E6C2
                                            Move screen area 1 pos
414 EF7B 23
                            INX
                                  H
                            MOV
                                            Insert char in buffer
415 EF7C 77
                                  M.A
416 EF7D 23
                            INX
                                  H
417 EF7E 22AE00
                                            Preserve pntr to cursor
                            SHLD
                                 :00AE
41B
                                             in buffer
                            POP
                                  н
                                            Get end available space
419 EF81 E1
                            CPI
420 EF82 FE0D
                                  · : OD
421 EF84 CA9CEF
                            JZ
                                  : EF9C
                                            Jump if char is car.ret
422 EF87 CD29EF
                                            Reprint text line in window
                            CALL
                                  :EF29
423 EFBA CD30E3
                            CALL
                                  :E330
                                            Put cursor on screen
424 EF8D FE09
                            CPI
                                  :09
425 EF8F CAB9EF
                                            Jump if char is tab
                            JZ
                                  :EFB9
426 EF92 CDF6ED
                            CALL
                                 :EDF6
                                            Move cursor right 1 pos
427 EF95 37
                    L2E218
                           STC
428 EF96 E1
                    L2E219 POP
                                  Н
429 EF97 D1
                            POP
                                  D
430 EF98 C1
                            POP
                                  B
431 EF99 78
                            MOV
                                  A.B
432 EF9A C1
                            POP
433 EF9B C9
                            RET
434
```

\* If car.ret:

497 EFEF 4D

```
436
                    L2E220
                             XRA
                                   A
437 EF90 AF
                             STA
                                   :00A8
438 EF9D 32A800
                             STA
                                   :00AB
                                             ) Reset pointers
439 EFA0 32AB00
                                   : 00AF
440 EFA3 32AF00
                             STA
                            CALL
                                   :EF3A
                                             Reprint full screen
441 EFA6 CD3AEF
                                             Get pntr to start cursor
                            LHLD :00B0
442 EFA9 ZABOOO
                                             line on screen
443
444 EFAC 11FBFF
                            LXI
                                   D.:FFF8
                            DAD
                                             New cursor addr
445 EFAF 19
                                             Put cursor on screen
                            CALL
                                   :E330
446 EFBO CD30E3
                                             Move cursor down
                             CALL
                                   :EDAB
447 EFB3 CDABED
                                   :EF95
                             JMP
                                             Quit with CY=1
448 EFB6 C395EF
449
                    * If tab:
450
451
                    L2E230 CALL
                                  :EDF6
                                             Move cursor right
452 EFB9 CDF6ED
                                             Get X-offset of cursor
                             LDA
                                   :00AB
453 EFBC 3AABOO
                                             in document
454
                             MOV
                                             in B
                                   B.A
455 EFBF 47
                                             Get pntr to start cursor
                                   :00B2
456 EFC0 2AB200
                            LHLD
                                             line in buffer
457
                                             Skip to Bth pos on line
                                   :EE7B
458 EFC3 CD7BEE
                            CALL
                             JC
                                             Again
                                   :EFB9
459 EFC6 DAB9EF
                                             Abort with CY=1
                             JMF
                                   :EF95
460 EFC9 C395EF
461
                    ****************
462
                    * DELETE CHARACTER IN BUFFER *
463
                    ***********
464
465
                    * Deletes character at cursor position and moves
466
                    * the text above this position. No action if past
467
                    * car.ret, tab or at or beyond end of text.
468
469
                    * Exit: ABCDEHL preserved.
470
                             CY=1: D.K.
471
                             CY=0: If past car.ret, tab or beyond 0.
                    *
472
473
474 EFCC C5
                    EDLCH
                            PUSH
                                   B
                             PUSH
                                  PSW
475 EFCD F5
                             PUSH
                                  D
476 EFCE D5
                            PUSH
477 EFCF E5
                                             Find current pos in buffer
                                   :EE44
                            CALL
478 EFDO CD44EE
                                   :EF96
                                             Quit if past CR, tab
                            JNC
479 EFD3 D296EF
                                             or 0 with CY=0
480
481 EFD6 7E
                            MOV
                                   A, M
                                             Get char
                            ORA
                                   A
482 EFD7 B7
                                             If at end of text:
                                   :EF96
                            JZ
483 EFDB CA96EF
                                             quit with CY=0
484
                            NOP
485 EFDB 00
                            NOP
486 EFDC 00
                            NOP
487 EFDD 00
                            PUSH
                                   н
488 EFDE E5
                                             Get cursor pos addr
                            LHLD
                                   :0072
489 EFDF 2A7200
                                             preserve it on stack
490 EFE2 E3
                            XTHL
                                   :E36B
                                             Delete cursor
                            CALL
491 EFE3 CD6BE3
                                             Original HL in DE
                            XCHG
492 EFE6 EB
                                             Get input pointer
                                  :00A4
493 EFE7 2AA400
                            LHLD
                                             Decrement it
                            DCX
                                   н
494 EFEA 2B
                                             And store update input pntr
                                   :00A4
                            SHLD
495 EFEB 22A400
                                             ) Move updated pointer
496 EFEE 44
                            MOV
                                   B.H
                            MOV
                                   C.L
                                             ) into BC
```

## PAGE 09 DAI FIRMWARE 2EDF6-2EFFF V1.0 Rev.1

498	EFFO	OB		DCX	В	Decrement it once again
499	EFF1	EB		XCHG		restore original HL
500	EFF2	CDC2E6		CALL	: E6C2	Move screen area above
501						downwards
502	EFF5	FEOD		CPI	: OD	Deleted car.ret ?
		C429EF		CNZ	:EF29	If not: reprint text line
		CC3AEF		CZ	:EF3A	Else: reprint full screen
		C3F2CE		JMP	:CEF2	Put cursor on screen, abort
506						with CY=1
507			*			
508			*			
509			*			

## 

510 F000

ECRT	EDF6	EDLCH	EFCC	EINCH	EF4B	L2E191	EE1C
L2E192	EE22	L2E193	EE33	L2E194	EE34	L2E195	EE38
L2E196	EE43	L2E197	EE44	L2E198	EE7B	L2E199	EE7F
L2E200	EE82	L2E201	<b>EE94</b>	L2E202	EE98	L2E203	EEAO
L2E204	EEA3	L2E205	EEA6	L2E206	EEAC	L2E207	EEBA
L2E208	EECO	L2E209	EED2	L2E210	EEDE	L2E211	EEEB
L2E212	EEEC	L2E213	EF08	L2E214	EF17	L2E215	EF28
L2E216	EF29	L2E217	EF3A	L2E218	EF95	L2E219	<b>EF96</b>
L2E220	EF9C	L2E230	EFB9				

END