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188
189 DDC0 3AF3FF BRSER LDA :FFF3
190 DDC3 1F RAR
191 DDC4 D0 RNC Abort if no break
192 DDC5 3AF3FF BRS10 LDA :FFF3 If break: check again
193 DDCB 1F RAR
194 DDC9 DAC5DD JC :DDC5 Wait until end of break
195 DDCC 3AF0FF LDA :FFF0 Load received character
196 DDCF 3F CMC Set CY=1
197 DDD0 C9 RET
198
199
200 *
201 * =====
202 *** ENCODING SERVICE ROUTINES ***
203 * =====
204 *
205 * The following routines are used both in 'main'
206 * and 'decode' modules.
207 *
208 *****
209 * GET CHARACTER FROM LINE, NEGLECT TAB + SPACE *
210 *****
211 *
212 * Entry: C: Position on current line.
213 * Exit: Character in A; tab and space neglected.
214 * C: Points to next character.
215 * BDEHL preserved.
216 *
217 DDD1 0C IGNBR INR C Pnts to next char
218 DDD2 CDE0DD IGNB CALL :DDE0 Get char from line
219 DDD5 FE20 CPI :20 Space?
220 DDD7 CAD1DD JZ :DDD1 Then get next char
221 DDDA FE09 CPI :09 Tab?
222 DDDC CAD1DD JZ :DDD1 Then get next char
223 DDDF C9 RET
224
225 *
226 *****
227 * GET CHARACTER TO ENCODE *
228 *****
229 *
230 * Returns a character from some position on the
231 * current line. The source is determined by EFSW.
232 *
233 * Entry: C: Position on current line (max. 219).
234 * Exit: EFSW=0 - Keyboard: Char on line pos in A.
235 * EFSW>=2 - Edit buf: Char on EFERT + line
236 * pos in A.
237 * EFSW=1 - String: Idem. If COUNT=line pos
238 * then char is car.ret.
239 * F corrupted, BCDEHL preserved.
240
241 DDE0 3A3501 EFETCH LDA :0135
242 DDE3 FE01 CPI :01 Check input direction
243 DDE5 DAFFDD JC :DDFF If from keyb/RS232
244 DDEB C2F4DD JNZ :DDF4 If from edit buffer
245
246 * If from string:
247 DDEB 3A3401 LDA :0134 If string: Get COUNT
248 DDEE B9 CMP C COUNT=pos.on curr.line?
249 DDEF 3E0D MVI A,:0D Then char is car.ret

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250 DDF1 CAFEDD                    JZ     :DDFE            And abort
251
252                    * Entry if from edit buffer:
253
254 DDF4 E5                    EFC10    PUSH   H
255 DDF5 2A3201                LHLD    :0132            Get EFEPT
256 DDF8 79                    MOV     A,C
257 DDF9 CD30DE                CALL    :DE30            Add curr.line pos to EFEPT
258 DDFC 7E                    MOV     A,M             Get character
259 DDFD E1                    POP     H
260 DDFE C9                    EFC20    RET
261
262                    * If from screen:
263
264 DDFE EF                    EFC30    RST     5                Get character from line
265 DE00 15                    DATA   :15
266 DE01 C9                    RET
267
268                    *
269                    *                    =====
270                    *** SINGLE AND DOUBLE BYTE UTILITIES ***
271                    *                    =====
272                    *
273                    *
274                    *****
275                    * CHECK IF UPPER CASE CHARACTER *
276                    *****
277                    *
278                    * Entry: A: Character to be checked.
279                    * Exit:  CY=0: Not upper case.
280                    *                    CY=1: Upper case.
281                    *                    ABCDEHL preserved, F corrupted.
282                    *
283 DE02 FE41                    ALPHA    CPI     :41            Lowest upper case char
284 DE04 3F                    CMC
285 DE05 D0                    RNC
286 DE06 FE5B                    CPI     :5B            First lower case char
287 DE08 C9                    RET
288
289                    *
290                    *****
291                    * CHECK IF CHARACTER IS NUMBER OR UPPER CASE *
292                    *****
293                    *
294                    * Entry: A: Character to be checked.
295                    * Exit:  CY=0: Not number, not upper case.
296                    *                    CY=1: Number or upper case.
297                    *                    ABCDEHL preserved. F corrupted.
298                    *
298 DE09 CD02DE                ALNUM    CALL    :DE02            Check if upper case
299 DE0C DB                    RC
300 DE0D FE30                    NUMER    CPI     :30            Lowest number
301 DE0F 3F                    CMC
302 DE10 D0                    RNC
303 DE11 FE3A                    CPI     :3A            No number anymore
304 DE13 C9                    RET
305
306                    *
307                    *****
308                    * COMPARE HL AND DE *
309                    *****
310                    *
311                    * Compares HL with DE (HL-DE).
312                    *

```