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CD44:      243 *
CD44:AD FB 04 244 MOUSEON LDA MODE
CD47:29 FE 245 AND #255-M.MOUSE ;clear mouse bit
CD49:8D FB 04 246 SMOUSE STA MODE ;to enable mouse chars
CD4C:60 247 RTS
CD4D:      248 *
CD4D:      249 * EXECUTE 'QUIT':
CD4D:      250 *
CD4D:      251 X.NAK EQU *
CD4D:AD FB 04 252 LDA MODE ;ONLY VALID IN BASIC
CD50:30 1A CD6C 253 BMI SKRTS ;ignore if pascal
CD52:20 2E CD 254 JSR DO40 ;force 40 column window
CD55:20 80 CD 255 JSR QUIT ;do stuff used by PR#0
CD58:20 64 CD 256 JSR SETCOUTI ;set output hook
CD5B:      257 *
CD5B:A9 FD 258 SETKEYIN LDA #KEYIN ;set input hook
CD5D:85 39 259 STA KSWH
CD5F:A9 1B 260 LDA #KEYIN
CD61:85 38 261 STA KSWL
CD63:60 262 RTS
CD64:      263 *
CD64:A9 FD 264 SETCOUTI LDA #COUTI ;set output hook
CD66:85 37 265 STA CSWH
CD68:A9 F0 266 LDA #COUTI
CD6A:85 36 267 STA CSWL
CD6C:60 268 SKRTS RTS
CD6D:      269 *
CD6D:      270 *****
CD6D:      271 * NAME : FULL40
CD6D:      272 * FUNCTION: SET FULL 40COL WINDOW
CD6D:      273 * INPUT : NONE
CD6D:      274 * OUTPUT : WINDOW PARAMETERS, A=0
CD6D:      275 * VOLATILE: AC
CD6D:      276 *****
CD6D:      277 *
CD6D:      278 FULL40 EQU *
CD6D:A9 28 279 LDA #40 ;set window width to 40
CD6F:D0 02 CD73 280 BNE SAVWDTH ;=>(always taken)
CD71:      281 *
CD71:      282 *****
CD71:      283 * NAME : FULL80
CD71:      284 * FUNCTION: SET FULL 80COL WINDOW
CD71:      285 * INPUT : NONE
CD71:      286 * OUTPUT : WINDOW PARAMETERS, A=0
CD71:      287 * VOLATILE: AC
CD71:      288 *****
CD71:      289 *
CD71:A9 50 290 FULL80 LDA #80 ;set full 80 column window
CD73:85 21 291 SAVWDTH STA WNDWDTH
CD75:A9 18 292 LDA #24
CD77:85 23 293 STA WNDBTM
CD79:A9 00 294 LDA #0
CD7B:85 22 295 STA WNDTOP
CD7D:85 20 296 STA WNDLFT

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CD7F:60 297 RTS
CD80:      298 *
CD80:      299 * QUIT is used by PR#0 to turn off everything
CD80:      300 *
CD80:      301 QUIT EQU *
CD80:2C 1F C0 302 BIT RD80VID ;were we in 80 columns?
CD83:10 03 CD88 303 BPL QUIT2 ;=> not a chance
CD85:20 EF CC 304 JSR X.DC1A ;switch to 40 columns
CD88:8D 0E C0 305 QUIT2 STA CLRALTCHAR ;don't use lower case
CD8B:A9 FF 306 LDA #SFF ;DESTROY THE
CD8D:8D FB 04 307 STA MODE ; MODE BYTE
CD90:60 308 RTS
CD91:      309 *
CD91:      310 * SCRNB4 and SCRNB8 convert screens between 40 & 80 cols.
CD91:      311 * WNDTOP must be set up to indicate the last line to
CD91:      312 * be done. All registers are trashed.
CD91:      313 *
CD91:8A 314 SCRNB4 TXA ;save X
CD92:48 315 PHA
CD93:A2 17 316 LDX #23 ;start at bottom of screen
CD95:8D 01 C0 317 STA SET80COL ;allow page 2 access
CD98:8A 318 SCR1 TXA ;calc base for line
CD99:20 BA CA 319 JSR BASCALC
CD9C:A0 27 320 LDY #39 ;start at right of screen
CD9E:84 2A 321 SCR2 STY BAS2L ;save 40 index
CDA0:98 322 TYA ;div by 2 for 80 column index
CDA1:4A 323 LSR A
CDA2:80 03 CDA7 324 BCS SCR3
CDA4:2C 55 C0 325 BIT TXTPAGE2 ;even column, do page 2
CDA7:A8 326 SCR3 TAY ;get 80 index
CDA8:B1 28 327 LDA (BASL),Y ;get 80 char
CDAA:2C 54 C0 328 BIT TXTPAGE1 ;restore pagel
CDAD:A4 2A 329 LDY BAS2L ;get 40 index
CDAF:91 28 330 STA (BASL),Y
CDB1:88 331 DEY
CDB2:10 EA CD9E 332 BPL SCR2 ;do next 40 byte
CDB4:CA 333 DEX ;do next line
CDB5:30 04 CDBB 334 BMI SCR4 ;done with setup
CDB7:E4 22 335 CPX WNDTOP ;at top yet?
CDB9:B0 DD CD98 336 BCS SCR1
CDBB:8D 00 C0 337 SCR4 STA CLR80COL ;clear 80STORE for 40 columns
CDBE:8D 0C C0 338 STA CLR80VID ;clear 80VID for 40 columns
CDC1:4C F8 CD 339 JMP SCRNBRET ;calc base, restore X, exit
CDC4:      340 *
CDC4:8A 341 SCRNB4 TXA ;save X
CDC5:48 342 PHA
CDC6:A2 17 343 LDX #23 ;start at bottom of screen
CDC8:8A 344 SCR5 TXA ;set base for current line
CDC9:20 BA CA 345 JSR BASCALC
CDCC:A0 00 346 LDY #0 ;start at left of screen
CDCE:8D 01 C0 347 STA SET80COL ;enable page2 store
CDDB:B1 28 348 SCR6 LDA (BASL),Y ;get 40 column char
CDD3:84 2A 349 SCR8 STY BAS2L ;save 40 column index
CDD5:48 350 PHA ;save char

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