Apple Color Plotter: AppleSoft BASIC Chart Maker II (2 of 6)

Revised: 11/15/84
Security: Everyone

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213 X8 =  VAL (N$)
214 IF X8 > UL THEN X9 = 1: RETURN
215 IF X8 < LL THEN X9 = 1: RETURN
216 X9 = 2: RETURN
250 IF  LEN (B$) = 0 THEN B$ = "Y": GOSUB 99: PRINT B$;:
251 RETURN
260 IF A$ >  CHR$(64) AND A$ <  CHR$(91) THEN  RETURN :REM Uppercase
261 IF A$ >  CHR$(96) AND A$ <  CHR$(123) THEN  RETURN :REM Lowercase
262 IF A$ >  CHR$(47) AND A$ <  CHR$(58) THEN  RETURN :REM Numbers
263 IF A$ =  CHR$(45) THEN  RETURN : REM   - SIGN
264 IF A$ =  CHR$(46) THEN  RETURN : REM   PERIOD
265 IF A$ =  CHR$(32) THEN  RETURN : REM   space
269 OK = 0: RETURN
300 INVERSE :PV = 14:PH = 30:M$ = "                                    ":
    GOSUB 352:PH=20:M$="Default Names: " +DV$+MT$:GOSUB 352:NORMAL:RETURN
340 IF  LEN (B$) = 0 THEN B$ = MT$: GOSUB 99: PRINT B$;: RETURN
345 GOSUB 99: INVERSE : PRINT ">";: NORMAL : RETURN
349 GOSUB 72:PV = 15:PH = 3: GOSUB 99: PRINT MA$;:PH=46-INT ((LEN(MS$)/2)):
    GOSUB 99: PRINT MS$;:RETURN
350 PH = 40 -  INT (( LEN (M$) / 2)): GOSUB 99: PRINT M$;:RETURN
351 GOSUB 75:GOSUB 72:PV=15:PH=3:GOSUB 99:PRINT MA$;:
    PH=46-INT ((LEN(MS$)/2)): GOSUB 99: PRINT MS$;:RETURN
352 GOSUB 99: PRINT M$;: RETURN
353 PH = 40 -  INT (( LEN (M$) / 2)): GOSUB 99: PRINT M$;: RETURN
357 PV = 15:PH =  INT (40 - ( LEN (M$) / 2)): GOSUB 99: PRINT M$;: RETURN :
    REM Print centered line
360 GOSUB 250: IF B$ = "Y" OR B$ = "y" THEN Q = 1: GOTO 365
362 IF B$ = "N" OR B$ = "n" THEN Q = 2: GOTO 365
363 GOSUB 369: GOTO 360
365 RETURN
369 PRINT  CHR$(7);: RETURN
370 PRINT  CHR$(7);:IF LEN (Z1$)<> 0 AND Z$ <> "" THEN Z$="": SL = SL + 1:
    P2 = P2 - 1
374 PH = P2: GOSUB 99: FOR I = 1 TO SL + 1: PRINT " ";: NEXT :RETURN
400 OA%=0:CM=0:GOSUB 90:A$=CHR$(CM):IF CM>96 AND CM<123 THEN CM=CM - 32:
    RETURN
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420 IF CM = 13 THEN  RETURN
425 IF CM > 64 AND CM < 91 THEN  RETURN
426 IF CM = 44 THEN  GOTO 475
427 IF CM = 46 THEN  GOTO 475
430 IF CM > 41 AND CM < 58 THEN  RETURN
435 IF CM = 27 THEN  RETURN
440 IF CM = 32 THEN  RETURN
470 IF CM = (81 + UC) OR CM = (81 + LC) THEN OA% = 1: CM = 16: RETURN : REMQ
475 PRINT  CHR$(7);: GOTO 400
700 IF V(K4,L1) > 999999999 THEN V(K4,L1) = 0
701 IF V(K4,L1) <  - 99999999 THEN V(K4,L1) = 0
705 RETURN
710 IF V(K4,L1) > 9999999.9 THEN V(K4,L1) = 0
711 IF V(K4,L1) <  - 999999.9 THEN V(K4,L1) = 0
715 RETURN
720 IF V(K4,L1) > 999999.99 THEN V(K4,L1) = 0
721 IF V(K4,L1) <  - 99999.99 THEN V(K4,L1) = 0
725 RETURN
730 IF V(K4,L1) > 99999.999 THEN V(K4,L1) = 0
731 IF V(K4,L1) <  - 9999.999 THEN V(K4,L1) = 0
735 RETURN
740 IF V(K4,L1) > 9999.9999 THEN V(K4,L1) = 0
741 IF V(K4,L1) <  - 999.9999 THEN V(K4,L1) = 0
745 RETURN
900 EC =  PEEK (222): IF EC = 255 GOTO 97
901 GOTO 90
1000 GOSUB 1001: GOTO 1200
1001 INVERSE : HOME : NORMAL
1002 REM*** GOSUB 71:GOSUB 72:GOSUB 73
1005 M$ = " ":PV = 1: INVERSE : GOSUB 350
1010 M$ = "Chart Maker IIe":PV = 1: INVERSE : GOSUB 350
1020 M$ = "Press 'ESC' to 'Back Out' of Any Function":PV = 14: GOSUB 350
1025 M$="Public Domain Software courtesy of Apple Computer Inc": PV = 24:
     GOSUB 350: NORMAL
1030 PLR$ = "2"
1090 GOSUB 7000
1099 RETURN
1200 Z = 0:Z$ = "": GOSUB 73
1205 MS$="New  Enter  Move  Clear  Save  Load  Draw  OA-Quit":
     MA$="FUNCTIONS:": GOSUB 351
1210 ONERR  GOTO 97
1220 GOSUB 400
1230 IF OA% = 1 AND CM = 16 THEN 97
1235 IF OA% = 1 THEN 1299
1240 IF CM = 78 THEN  GOSUB 8000: GOTO 1200: REM Start New Chart
1250 IF CM = 69 THEN X9 = 0:X8 = 0: GOSUB 6000: GOTO 1200: REM Enter a Line
1260 IF CM = 68 THEN  GOSUB 9000: GOTO 1200: REM    Draw the Chart
1270 IF CM = 67 THEN  GOSUB 8500: GOTO 1200: REM    Clear Line
1272 IF CM = 77 THEN  GOSUB 10000: GOTO 1200: REM   Move a line
1274 IF CM = 83 THEN  GOSUB 2000: GOTO 1200: REM    Save a Chart
1275 IF CM = 76 THEN  GOSUB 3000: GOTO 1200: REM    Load a Chart
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