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LIST PP13SYLBAS
1 REM.PP:3SY.FROGRAMMED.BY.PROGENI.FOR.POLYCORP.NZ.DATE:20/05/8:.TIME:12:15
100 Z1X=USR(1211,3)
101 ZKZ=-1:ZLZ=0:ZMZ=1:ZNZ=2:ZHZ=32Z67:ZH=65536:Z0Z=256:ZPZ=512:Z1Z=18:ZJZ=19:ZL5=CHR5(0):POKE1182,ZMZ:GOSUB4400:GOTO4500
200 Z1Z=USR(10,5888):Z1s=Zs+CHR$(ZLZ):Z=DPEEK(PTR(Z15)):IFZ>ZHZTHENZ=Z-ZH
201 71%-USR (9,5888,Z):1FZ2%=2THENRETURN
300 ZX=ASC(INCH$):IFZX=90RZX=8ANDZ2X=1THENZ1Z=UGR(10,5888):RETURN
301 6070300
400 Z3Z=UGR(ZJZ):IFZ1Z=ZMZTHENIF(Z3ZAND6144)=6144THENRETURN
401 IFZ:X=ZNZTHENIF(Z3ZAND4)=4THENRETURN
402 IFZ1X=ZKXTHENZ1X=8ELSEIFZ1X=ZLXTHENZ1X=8192
403 IFZ2%=ZM%THENZ1%=USR(ZI%,Z3%ORZ1%):RETURN
404 Ziz=USR(ZIZ,Z3ZANDNOTZIZ):RETURN
500 Z9=Z19:GOSUB600:Z19=CHR$(Z%):Z9=Z29:GOSUB600:Z29=CHR$(Z%+16):FORZ%=ZL%TO11:Z1%(Z%)=ZP%:Z2%(Z%)=ZP%:NEXTZ%:Z8%=ZK%:RETURN
600 ZX=INSTR(ZMZ,Z1s(4),LEFTs(Zs,ZMZ)):IFZX=OTHENZX=7
700 IFZ1%>550RZ3s=""THENRETURN
701 Z3X=Z1X/8:Z2X=(Z1X-Z3X+8)+5:Z1X=Z3X+3:Z5X=ASC(Z35):Z4X=LEN(Z35)
702 IFZ3Z>31THENZ3Z=ZLZELSEZ39=MID9(Z39,ZNZ):ZX=Z5Z:Z3Z=(Z4Z-ZHZ)/Z5Z:Z4Z=ZZ:Z5Z=ASC(Z39)
703 78%=Z8%+ZM%:Z1%(Z8%)=Z1%+ZM%:Z2%(Z8%)=Z2%+ZN%:FORZ%=ZL%TOŹN%:PRINT@(Z1%+Z%,Z2%)Z2%;Z1%(Z%);:NEXTZ%
704 IFZ4Z=ZMZANDZ3Z=ZLZANDZ5Z>63ANDZ5Z<96THENPRINT@(Z1Z+ZMZ,Z2Z+ZNZ)Z3s;:RETURN
705 Z2X=Z2X-Z4X-ZMX:: FZ2X<ZLXTHENZ2X=ZLX
706 IFZ3Z=ZLZTHENPRINTC(Z1Z+ZMZ,Z2Z)Z19;Z39;:RETURN
707 FORZX=ZL%TOZ3%:PRINT@(Z1%+Z%,Z2%)Z15;MID$(Z35,Z4%+Z%+ZM%,Z4%);:NEXTZ%:RETURN
800 Z1Z=USR(10,5888):PRINTE(22,ZLZ) USE THE CURSOR ARROWS TO SELECT BOX"; Z1S="THEN PRESS ENTER TO ENTER SELECTION"+CHR$(ZLZ)
80: Z=DPEEK(PTR(Z:s)):IFZ>ZHZTHENZ=Z-ZH
802 Z1Z=USR(9,5888,Z):Z3Z=ZLZ:IFZ8X<ZLZTHENZZ=ZKZ:RETURN
900 Z1%=Z1%(Z3%); Z2%=Z2%(Z3%); PRINTE(Z1%, Z2%) " "; : ZC%=USR(15); IFZC%<128THENZ1s=CHRs(ZC%+128)ELSEZ1s=CHRs(ZC%-128)
901 Z2s=CHRs(ZCZ):Z5=Z15
1000 PRINTE(Z1%,Z2%)Z$;;ZC%=ZL%
1100 ZZ$=INCH$:IFZZ$<>ZL$THEN1200
1102 TFZ$=ZI$THENZ$=Z2$EL9EZ$=Z1$
1003 60701000
1200 ZX=ASC(ZZ$):PRINTE(Z1Z,Z2Z)Z2$;:IFZZ<80RZZ>130RZZ=1200T01000
1201 IFZX=13THENZZ=UBR(10,5888);PRINTE(Z1Z,Z2X)Z1s;;ZX=Z3Z+ZMZ;RETURN
1202 ONZZ-7GOTO1300,1500,1700,1900
1300 Z4%=ZK%:Z0%=Z3%:Z9%=Z3%:Z5%=Z2%:FORZ7%=OTOZ8%:IFZ7%=Z3%ORZ1%(Z7%)<>Z1%THEN1400
1301 Z6Z=Z2X(Z7X):IFZ6X<Z2XANDZ6Z>Z4XTHENZ4X=Z6X:Z9X=Z7X
1302 1:26%>Z5%THENZ5%=Z6%:Z0%=Z7%
1400 NEXTZ7%: IFZ4%=ZK%THENZ3%=Z0%ELSEZ3%=Z9%
1500 Z4%=ZP%:Z0%=Z3%:Z9%=Z3%:Z5%=Z2%:FORZ7%=ZL%TOZ8%:IFZ7%=Z3%ORZ1%(Z7%)<>Z1%THEN1600
1501 Z6%=Z2%(Z7%);IFZ6%>Z2%ANDZ6%<Z4%THENZ4%=Z6%;Z9%=Z7%
1600 NEXTZ7%: 1FZ4%=ZF%THENZ3%=Z0%ELSEZ3%=Z9%
1801 GOTO900
1700 Z4Z=ZPZ:Z0Z=Z3Z:Z9Z=Z3Z:Z5Z=Z1Z:FORZ7Z=ZLZT0Z8Z:IFZ7Z=Z3Z0RZ2Z(Z7Z)<>Z2ZTHEN1800
1701 Z6%=Z1%(Z7%):IFZ6%>Z1%ANDZ6%<Z4%THENZ4%=Z6%:Z9%=Z7%
1702 1FZ62<Z5%THENZ5%=Z6%:20%=Z7%
1800 NEXTZ7Z: IFZ4X=ZPXTHENZ3Z=Z0XELSEZ3X=Z9X
1801 GOTO900
1900 Z4%=ZK%:Z0%=Z3%:Z9%=Z3%:Z5%=Z1%:FORZ7%=ZL%TOZ8%:IFZ7%=Z3%ORZ2%(Z7%)<>Z2%THEN2000
1901 Z6%=Z1%(Z7%):IFZ6%(Z1%ANDZ6%)Z4%THENZ4%=Z6%:Z9%=Z7%
1902 IFZ6%>Z5%THENZ5%=Z6%#Z0%=Z7%
2000 NEXTZ7% : IFZ4%=ZK%THENZ3%=Z0%ELGEZ3%=Z9%
2100 CLS:PRINTE(9,0) "PREPARE DIGITIZER"::ZS=ZAS:Z2%=ZL%:GOSUB200:CLS:A%=USR(24576):Z1%=ZK%:Z2%=ZM%:GOSUB400:Z1%=ZL%:Z2%=ZM%
2101 GOSUB400: RETURN
2200 CLS:PRINTO(20,0) "ENTER -: TO RETURN TO SELECT": INPUT "TOP ROW NUMBER"; A: X: IFA: X = -: THENRETURN
2201 IFAZ=-1THEN2300
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2202 XX=4X-3:TBX=1:GOSUB2400...

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2300 IFA1%<00RA1%>203THENA%=-1:60T02200
    2301 AZ=A1Z: [FA1Z>=BZANDBZ<>-1THENCLS:PRINT@(20,0)"TOP MUST BE LESS THAN BOTTOM";:Z1Z=USR(25,200):GOTO2200
    2302 IFA1%<>OTHENA1%=A1%-1
    2303 XX=AX-3:GOSUB2600:CLS:Z9=ZA5+ZB5:Z2X=ZMX:GOSUB200:IFZX=8THEN2200
    2304 RETURN
    2400 CLS:PRINTE(20,0) "ENTER -1 TO RETURN TO SFLECT": INPUT BOTTOM ROW NUMBER"; B1%: IFB1% -- ITHENRETURN
    2401 IFBZ=-1THEN2500
    2402 XX=BX+3:TBX=1:GOSUB2600
    2500 IFB1X<00RB1X>203THENBX=-1:G0T02400
    2501 JFB: Z = AZANDAZ <>- ITHENCLS:PRINT@(20,0) "BOTTOM NOT LESS THAN TOP";:Z1Z=USR(25,200):GOTO2400
    2502 BZ=B1Z:IFB1Z<>203THENB1Z=B1Z-1
    2503 XX=BZ+3:GOSUB2600:CLS:ZS=ZAS+ZBS:Z2Z=ZMZ:GOSUB200:IFZX=8THEN2400
    2504 RETURN
    2600 IFX%<: THENRETURN
    2601 IF (USR(ZJZ)AND6144)<>6144THENZ1Z=USR(46,ZNZ)
    2602 T1%=(X%-3)/10:T2%=X%-T1%*10:IFT2%<3THENT$=T1$ELSEIFT2%<7THENT$=T2$ELSET$=T3$
    2803 IFTBZ=1THENTS=9$
    2604 PRINTE(TIZ, 1) TS; : TBZ=0: Z1X=USR(46, ZMZ): RETURN
    2700 CLS:PRINT@(20,0)"ENTER -1 TO RETURN TO SELECT":INPUT"LEFT COLUMN NUMBER";L1%:IFL1%=-1THENRETURN
    270: IFLZ=-:THEN2800
    2702 XX=LX-1:TLZ=0:TSX=1:G09UB3100
    2800 IFL:1%<00RL:1%>39THENL%=-1:GDT02700
    2801 IFL1%>=R%ANDR%<>-1THENCLS:PRINT0(20,0)*LEFT MUST BE LESS THAN RIGHT*;:Z1%=USR(25,200):GOTO2700
    2802 LZ=L1X:XZ=LX-1:TLX=0:GOSUB3100:CLS:Zs=ZAS+ZBS:Z2X=ZMX:GOSUB200:IFZX=STHEN2700
    2803 RETURN
    2900 CLS:PRINTE(20,0) "ENTER -1 TO RESELECT": INPUT RIGHT COLUMN NUMBER ";R:Z:IFR:Z=-1THENRETURN
    2901 IFRX=-1THEN3000
    2902 XZ=RZ+1:TLZ=1:TSZ=1:GOSUB3100
    3000 IFR1X<00RR1X>39THENRX=-1:GOTO2900
    3001 IFRIZ<=L%ANDL%<>-:THENCLS:PRINTE(20,0)*RIGHT MUST BE MORE THAN LEFT*;:Z1%=USR(25,200):GOTD2900
    3002 RX=R1X:XX=RX+1:TLX=1:GOSUB3100:CLS:Zs=ZAS+ZBS:Z2Z=ZMX:GOSUB200:IFZX=8THEN2900
    J003 RETURN
    3100 IFX%>390RX%<0THENRETURN
32
    3101 IF(USR(ZJZ)AND6144)<>6144THENZ1Z=USR(46,ZNZ)
    3102 IFTLX=OANDXX<>-iTHENWs=LseLSEWs=Rs
    3103 IFTSZ=1THENW$=" "
    3104 IFXX=-ITHENXX=0
    3105 FORZ%=OTO2::PRINT@(Z%,X%)W$;:NEXTZ%:TS%=0:Z1%=USR(46,ZM%):RETURN
37
    3200 CL9:IFAX=-10RBX=-10RLX=-10RRX=-1THENPRINT@(21,0)"BOUNDARIES ARE NOT ALL SET";:Z1Z=USR(25,200):RETURN
    3201 PRINTE(21,0)"";:INPUT"SCREEN (G1 OR G2)";F$:IFF5="G1"THEN3300
    3202 IFFs="G2"THEN3400
    3203 GOTO3200
    3300 POKE1160, ZLX: Z1X=ZNX: Z2X=ZLX: GOSUB400: GOTO3500
    3400 IFPEEK(1164)>ZLZTHENPOKE1160,ZNZ
    3401 Z1%=ZL%:Z2%=ZL%:GOSUB400
    J500 INPUT"FILENAME";X$:Z$=ZA$+ZB$:Z2%=ZM%:GO$UB200:IFZ%=8THEN3200
    3501 IFAX>BXTHENAX=BX
    3502 IFL%>R%THENL%=R%
    3503DPOKE1165,16386
    3504Z1%=USR(1229,1165,CVT5%(CHR$(A%)+CHR$(L%)),CVT5%(CHR$(B%)+CHR$(R%)))
    35050PENNEWX$AS12
    3506Z$="":Z=PTR(Z$):Z1=DPEEK(Z):DPOKEZ,16384:DPOKEZ+2,(BX-AX+ZMZ)*(RX-LX+ZMX)
    3507DPOKE Z+2,DPEEK(Z+2)+2:DPOKE16384,LEN(Z$)
    3508FORZ%=1TOLEN(Z$)STEP252
    3509PRINT 12,MID$(Z$,ZZ,252);:NEXTZZ:DPOKEZ,Z1:DPOKEZ+2,0:CLOSE12
    3600 AZ=-1:BZ=-1:LZ=-1:RZ=-1:IF(USR(ZJZ)AND6144)<>6144THENZ1Z=USR(46,ZNZ)
    3601 CLS:Z1%=USR(46,ZM%):RETURN
    3700 CLS:PRINTE(21,0)"";:INPUT"COLOUR (1-7)";CZ:IFCZ<10RCZ>7THEN3700
    3800 IF(USR(ZJZ)AND6144)<>6144THENZ1Z=USR(46,ZNZ)
    3801 FORZZ=OTO21:PRINTE(ZZ,O)CHR5(16+CZ);:NEXTZZ:Z1%=USR(46,ZMZ):RETURN
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3900 GOSUB4200:Z1%=ZN%:Z2%=ZL%:GOSUB400:Z5=ZA\$:Z2%=ZL%:GOSUB200:RETURN

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