

```

10 ON BREAK GOSUB 5600
20 MODE 2
30 BORDER 0:INK 1,26:INK 0,0:PEN 1:PAPER 0:PEN #3,
0:PAPER #3,1
40 cplr=1:tlb=1:prfg=0:pjfg=0:difg=0:btfg=0:infg=0
50 DIM keyy%(255,2)
60 WINDOW #4,8,13,1,1:WINDOW #5,27,32,1,1
70 WINDOW #6,40,80,1,1:WINDOW #7,1,30,2,2
80 DATA 06,01,11,70,a6,21,60,a6,cd,77,bc,32,60,a6,
c9
90 MEMORY &A640
100 FOR i=&A651 TO &A65F:READ a$:POKE i,VAL("&"+a$
):NEXT i
110 PRINT"text width or file name ? ";
120 safg=0:GOSUB 5460:safg=1
130 q=VAL(q$)
140 IF STR$(q)=" "+q$ THEN 190
150 LOCATE 1,1:GOSUB 5430
160 IF PEEK(&A660)=22 THEN 180
170 LOCATE 27,1:PRINT CHR$(&12);:GOTO 120
180 GOSUB 2590:GOTO 230
190 IF q>3 AND q<79 THEN 210
200 CLS:GOTO 110
210 zdim=INT(24000/q)
220 DIM z$(zdim)
230 l=INT((80-q)/2):r=80-l:WINDOW #2,1,r,3,25
240 FOR i=1 TO 31:keyy%(i,0)=1:NEXT i
250 FOR i=32 TO 255:keyy%(i,0)=3:NEXT i
260 CLS:PEN #2,0:PAPER #2,1:CLS #2
270 IF STR$(VAL(q$))=" "+q$ THEN 310
280 pl=tlb
290 IF tlb>23 THEN pl=23
300 FOR h=1 TO pl:PRINT#2,z$(h):NEXT h
310 DATA 240,241,242,243,13,127,19,16,12,6,10,4,20
,3,5,9,18,246,247,244,245,248,249,14
320 FOR i=1 TO 24:READ a:keyy%(a,0)=2:keyy%(a,1)=i
:NEXT i
330 cpud=1:tl=1
340 PRINT"line #      text length"
350 CLS #4:PRINT #4,tl:CLS #5:PRINT #5,tlb
360 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
370 a$=INKEY$
380 IF a$="" THEN 370
390 ON keyy%(ASC(a$),0) GOTO 370,400,430
400 tlk=infg*(sttl-stlb)
410 ON keyy%(ASC(a$),1) GOSUB 850,1150,1470,1630,1
760,1910,2080,2210,2340,2700,3150,3660,3960,3960,4
460,4500,2700,1470,1630,850,1150,4880,5110,5350
420 GOTO 370
430 tlk=infg*(sttl-stlb)
440 GOSUB 460
450 GOTO 370
460 IF LEN(z$(tl))+1=r THEN 530
470 IF cplr<>(LEN(z$(tl))+1) THEN 770
480 LOCATE #2,cplr,cpud:PRINT#2,a$;
490 z$(tl)=z$(tl)+a$
500 cplr=cplr+1
510 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
520 RETURN
530 IF tl=tlb AND cplr=(LEN(z$(tl))+1) THEN 550
540 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN
550 IF tlb=zdim THEN 540
560 z$(tl)=z$(tl)+a$
570 FOR i=LEN(z$(tl)) TO 2 STEP -1:IF MID$(z$(tl),
i,1)=" " THEN 610
580 NEXT i
590 z$(tl)=LEFT$(z$(tl),(LEN(z$(tl))-1))
600 RETURN
610 cplr=i+1-1
620 LOCATE #2,cplr,cpud
630 WINDOW #3,cplr,r,cpud+2,cpud+2:CLS #3
640 IF cpud<>23 THEN 670
650 LOCATE #2,r,25:PRINT#2

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660 GOTO 680
670 cpud=cpud+1
680 cplr=1:tl=tl+1:tlb=tlb+1
690 LOCATE #2,cplr,cpud
700 p$=RIGHT$(z$(tl-1),(LEN(z$(tl-1))-1))
710 PRINT#2,p$;
720 cplr=LEN(p$)+1
730 z$(tl)=p$:z$(tl-1)=LEFT$(z$(tl-1),(i-1))
740 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
750 CLS #4:PRINT#4,tl+tlk:CLS #5:PRINT#5,tlb
760 RETURN
770 LOCATE #2,cplr,cpud
780 p$=RIGHT$(z$(tl),(LEN(z$(tl))-cplr+1))
790 PRINT#2,a$;p$
800 z$(tl)=LEFT$(z$(tl),(cplr-1))+a$+p$
810 cplr=cplr+1
820 LOCATE #2,cplr,cpud:PEN #2,1:PAPER #2,0
830 PRINT#2,LEFT$(p$,1);:PEN #2,0:PAPER #2,1
840 RETURN
850 ufg=0
860 IF ASC(a$)=244 THEN ufg=40
870 IF cpud=1 AND tl<l+ufg+infg*(n-2) THEN 1030
880 IF tl=1+infg*(n-2) THEN 1040
890 IF cpud=1 THEN 1070
900 IF cplr=(LEN(z$(tl))+1) THEN 930
910 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,1
);
920 GOTO 940
930 LOCATE #2,cplr,cpud:PRINT#2," ";
940 IF ASC(a$)<>244 THEN 980
950 tlt=tl:tl=tl-cpud+1
960 IF tl<l+infg*(n-2) THEN tl=1+infg*(n-2)
970 cpud=cpud-tlt+tl:GOTO 990
980 cpud=cpud-1:tl=tl-1
990 cplr=LEN(z$(tl))+1
1000 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
1010 CLS #4:PRINT#4,tl+tlk
1020 RETURN
1030 IF tl>l+infg*(n-2) THEN 1050
1040 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN
1050 tl=1+infg*(n-2)
1060 GOTO 1080
1070 tl=tl-10-ufg
1080 LOCATE #2,1,1
1090 FOR i=tl TO tl+21:PRINT#2,z$(i);CHR$(18):NEXT
i
1100 PRINT#2,z$(tl+22);CHR$(18);
1110 cplr=LEN(z$(tl))+1
1120 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
1130 CLS #4:PRINT#4,tl+tlk
1140 RETURN
1150 lfg=0
1160 IF ASC(a$)=245 THEN lfg=40
1170 IF cpud=23 AND tl>tlb-11-lfg THEN 1340
1180 IF cpud=23 THEN 1380
1190 IF tl<>tlb THEN 1210
1200 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN
1210 IF cplr=(LEN(z$(tl))+1) THEN 1240
1220 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,
1);
1230 GOTO 1290
1240 LOCATE #2,cplr,cpud:PRINT#2," ";
1250 IF ASC(a$)<>245 THEN 1290
1260 tlt=tl:tl=tl-cpud+23
1270 IF tl>tlb THEN tl=tlb
1280 cpud=cpud+tl-tlt:GOTO 1300
1290 cpud=cpud+1:tl=tl+1
1300 cplr=LEN(z$(tl))+1
1310 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
1320 CLS #4:PRINT#4,tl+tlk
1330 RETURN
1340 IF tl<tlb THEN 1360
1350 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN

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1360 tl=tlb-22
1370 GOTO 1390
1380 tl=tl-12+lfg
1390 LOCATE #2,1,1
1400 FOR i=tl TO tl+21:PRINT#2,z$(i);CHR$(18):NEXT
i
1410 PRINT#2,z$(tl+22);CHR$(18);
1420 tl=tl+22:cpud=23
1430 cplr=LEN(z$(tl))+1
1440 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
1450 CLS #4:PRINT#4,tl+tlk
1460 RETURN
1470 IF cplr<>1 THEN 1490
1480 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN
1490 IF cplr<>(LEN(z$(tl))+1) THEN 1570
1500 LOCATE #2,cplr,cpud:PRINT#2," ";
1510 IF ASC(a$)<>246 THEN 1530
1520 cplr=1:GOTO 1540
1530 cplr=cplr-1
1540 PEN #2,1:PAPER #2,0:LOCATE #2,cplr,cpud
1550 PRINT#2,MID$(z$(tl),cplr,1);:PEN #2,0:PAPER #
2,1
1560 RETURN
1570 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,
1);:PEN #2,1:PAPER #2,0
1580 IF ASC(a$)<>246 THEN 1600
1590 cplr=1:GOTO 1610
1600 cplr=cplr-1
1610 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,
1);:PEN #2,0:PAPER #2,1
1620 RETURN
1630 IF cplr<>(LEN(z$(tl))+1) THEN 1650
1640 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN
1650 IF cplr<>(LEN(z$(tl))) THEN 1700
1660 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,
1);
1670 cplr=cplr+1
1680 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
1690 RETURN
1700 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,
1);:PEN #2,1:PAPER #2,0
1710 IF ASC(a$)<>247 THEN 1730
1720 cplr=LEN(z$(tl))+1:PEN #2,0:PAPER #2,1:GOTO 1
680
1730 cplr=cplr+1
1740 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,
1);:PEN #2,0:PAPER #2,1
1750 RETURN
1760 IF tl=tlb THEN 1780
1770 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN
1780 IF tlb=zdim THEN 1770
1790 IF cplr=(LEN(z$(tl))+1) THEN 1820
1800 LOCATE #2,cplr,cpud:PRINT#2,MID$(z$(tl),cplr,
1);
1810 GOTO 1830
1820 LOCATE #2,cplr,cpud:PRINT#2," ";
1830 IF cpud<>23 THEN 1860
1840 LOCATE #2,r,25:PRINT#2
1850 GOTO 1870
1860 cpud=cpud+1
1870 cplr=1:tl=tl+1:tlb=tlb+1
1880 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
1890 CLS #4:PRINT#4,tl+tlk:CLS #5:PRINT#5,tlb
1900 RETURN
1910 IF cplr<>1 THEN 1930
1920 SOUND 1,60,3,12:SOUND 1,60,1,0:RETURN
1930 IF cplr<>(LEN(z$(tl))+1) THEN 1990
1940 z$(tl)=LEFT$(z$(tl),(LEN(z$(tl))-1))
1950 LOCATE #2,cplr,cpud:PRINT#2," ";
1960 cplr=cplr-1
1970 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
1980 RETURN

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1990 LOCATE #2,LEN(z$(t1)),cpud:PRINT#2," ";
2000 cplr=cplr-1
2010 LOCATE #2,cplr,cpud
2020 p$=RIGHT$(z$(t1),(LEN(z$(t1))-cplr))
2030 PRINT#2,p$;
2040 z$(t1)=LEFT$(z$(t1),(cplr-1))+p$
2050 PEN #2,1:PAPER #2,0:LOCATE #2,cplr,cpud
2060 PRINT#2,MID$(z$(t1),cplr,1);:PEN #2,0:PAPER #
2,1
2070 RETURN
2080 GOSUB 4850
2090 PRINT#6,"file name ? ";
2100 GOSUB 5460
2110 fln$=q$
2120 IF fln$<>" THEN 2150
2130 CLS #6
2140 RETURN
2150 OPENOUT fln$
2160 PRINT#9,t1b:PRINT#9,q
2170 FOR h=1 TO t1b:PRINT#9,z$(h):NEXT h
2180 CLOSEOUT
2190 CLS #6
2200 RETURN
2210 IF prfg=1 THEN 2260
2220 GOSUB 4850
2230 PRINT#6,"print from ";t1+t1k;" to ";
2240 pfl=t1:prfg=1
2250 RETURN
2260 PRINT#6,t1+t1k
2270 IF t1>=pfl THEN 2300
2280 tpfl=pfl:pfl=t1:t1=tpfl
2290 CLS #6:PRINT#6,"print from ";pfl+t1k;" to ";t
l+t1k
2300 FOR h=pfl TO t1:PRINT#8,z$(h):NEXT h
2310 prfg=0
2320 CLS #6
2330 RETURN
2340 GOSUB 4850
2350 WINDOW 40,80,1,25
2360 PRINT#6,"file name ? ";
2370 GOSUB 5460
2380 IF q$<>" THEN 2410
2390 WINDOW 1,80,1,25:CLS #6
2400 RETURN
2410 IF STR$(VAL(q$))<>" "+q$ THEN 2430
2420 q=VAL(q$):WINDOW 1,80,1,25:ERASE z$:RESTORE 3
10:cplr=1:t1b=1:GOTO 190
2430 LOCATE 1,1:GOSUB 5430
2440 IF PEEK(&A660)<>22 THEN 2460
2450 WINDOW 1,80,1,25:GOTO 2470
2460 LOCATE #6,13,1:PRINT #6,CHR$(&12);:GOTO 2370
2470 infg=0:ERASE z$
2480 PAPER #2,0:CLS #2:PAPER #2,1:CLS #4:CLS #5:CL
S #7
2490 GOSUB 2590
2500 cpud=1:t1=1
2510 l=INT((80-q)/2):r=80-1:WINDOW #2,1,r,3,25:CLS
#2
2520 pl=t1b
2530 IF t1b>23 THEN pl=23
2540 FOR h=1 TO pl:PRINT#2,z$(h):NEXT h
2550 CLS #4:PRINT #4,t1+t1k:CLS #5:PRINT #5,t1b
2560 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
2570 CLS #6
2580 RETURN
2590 OPENIN q$
2600 INPUT #9,t1b:INPUT #9,q
2610 zdim=INT(24000/q)
2620 DIM z$(zdim)
2630 FOR h=1 TO t1b:LINE INPUT #9,z$(h):NEXT h
2640 CLOSEIN
2650 OPENOUT "dummy"
2660 MEMORY HIMEM-1
2670 CLOSEOUT
2680 cplr=LEN(z$(1))+1
2690 RETURN
2700 GOSUB 4850
2710 PRINT#6,"search for ? ";
2720 GOSUB 5460
2730 sf$=q$
2740 IF sf$<>" THEN 2770
2750 CLS #6
2760 RETURN
2770 sffg=0
2780 IF ASC(a$)=6 THEN 2850
2790 PRINT#6,"replace by ? ";
2800 GOSUB 5460
2810 sfl$=q$
2820 IF sfl$<>" THEN 2850
2830 CLS #6
2840 RETURN
2850 sf$=UPPER$(sf$)
2860 FOR i=t1 TO t1b
2870 js=1
2880 FOR j=js TO (LEN(z$(i))-LEN(sf$)+1)
2890 IF UPPER$(MID$(z$(i),j,LEN(sf$)))=sf$ THEN 29
80
2900 NEXT j
2910 NEXT i
2920 IF sffg<>0 AND sffg<=t1-cpud+22 THEN 2950
2930 CLS #6
2940 RETURN
2950 i=t1-cpud+1
2960 IF i<1+infg*(n-2) THEN i=1+infg*(n-2)
2970 GOTO 3050
2980 IF sffg=0 THEN sffg=i
2990 IF ASC(a$)=6 THEN 3050
3000 IF (LEN(z$(i))+LEN(sfl$)-LEN(sf$))<=q THEN 30
30
3010 IF i=sffg THEN sffg=0
3020 GOTO 2910
3030 z$(i)=LEFT$(z$(i),(j-1))+sfl$+RIGHT$(z$(i),(L
EN(z$(i))-j-LEN(sf$)+1))
3040 js=j+LEN(sfl$):GOTO 2880
3050 pl=i+22
3060 IF pl>t1b THEN pl=t1b
3070 LOCATE #2,1,1
3080 FOR j=i TO pl:PRINT#2,z$(j);CHR$(18):NEXT j
3090 IF pl<i+22 THEN PRINT#2,CHR$(20)
3100 t1=i:cpud=1
3110 cplr=LEN(z$(t1))+1
3120 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
3130 CLS #6:CLS #4:PRINT#4,t1+t1k
3140 RETURN
3150 IF pjfg<>0 THEN 3200
3160 GOSUB 4850
3170 PRINT#6,"justify from ";t1+t1k;" to ";
3180 pjl=t1:ul=t1-cpud+1:pjfg=1
3190 RETURN
3200 IF t1>=pjl THEN 3230
3210 tpjl=pjl:pjl=t1:t1=tpjl
3220 CLS #6:PRINT#6,"justify from ";pjl+t1k;" to "
;
3230 PRINT#6,t1+t1k
3240 FOR i=pjl TO t1
3250 r$=" "
3260 FOR j=1 TO LEN(z$(i))
3270 mr$=MID$(z$(i),j,1)
3280 IF (mr$+RIGHT$(r$,1))=" " THEN 3300
3290 r$=r$+mr$
3300 NEXT j
3310 z$(i)=RIGHT$(r$,(LEN(r$)-1))
3320 IF RIGHT$(z$(i),1)=" " THEN z$(i)=LEFT$(z$(i)
,(LEN(z$(i))-1))
3330 NEXT i
3340 i=pjl
3350 FOR j=(pjl+1) TO t1
3360 IF z$(j)=" " THEN 3480
3370 IF LEN(z$(j))>=(q-LEN(z$(i))-1) THEN 3390
3380 z$(i)=z$(i)+" "+z$(j):z$(j)=" ":GOTO 3480
3390 FOR k=(q-LEN(z$(i))) TO 2 STEP -1
3400 IF MID$(z$(j),k,1)=" " THEN 3430
3410 NEXT k
3420 GOTO 3450
3430 z$(i)=z$(i)+" "+LEFT$(z$(j),(k-1))
3440 z$(j)=RIGHT$(z$(j),(LEN(z$(j))-k))
3450 i=i+1
3460 IF i=t1 THEN 3510
3470 z$(i)=z$(j)
3480 NEXT j
3490 dll=i+1
3500 GOSUB 3760
3510 LOCATE #2,1,1
3520 plu=t1-cpud+1
3530 plutt=pjl-10
3540 IF plutt<1+infg*(n-2) THEN plutt=1+infg*(n-2)
3550 IF plu<1+infg*(n-2) OR plu>plutt THEN plu=plu
tt
3560 plb=plu+22
3570 IF plb>t1b THEN plb=t1b
3580 FOR h=plu TO plb:PRINT#2,z$(h);CHR$(18):NEXT
h
3590 IF plu+22>t1b THEN PRINT#2,CHR$(20)
3600 cpud=1:t1=plu
3610 cplr=LEN(z$(t1))+1
3620 LOCATE #2,cplr,cpud:PRINT#2,CHR$(95);
3630 CLS #4:PRINT#4,t1+t1k:CLS #5:PRINT#5,t1b:CLS
#6
3640 pjfg=0
3650 RETURN
3660 IF dlfg<>0 THEN 3710
3670 GOSUB 4850
3680 PRINT#6,"delete from ";t1+t1k;" to ";
3690 dll=t1:dlfg=1
3700 RETURN
3710 IF t1>=dll THEN 3750
3720 ddl=t1:t1=ddl:ddl=ddl

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