```
1 REM %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2 REM %                              %
3 REM %  *** VARIABLENLISTE ***      %
4 REM %                              %
5 REM %       November  1985         %
6 REM %                              %
7 REM %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
8 :
10 MODE 1:INK 0,0:INK 1,13:INK 2,4:INK 3
,15:PAPER 0:BORDER 1:CLS
20 DEFINT v:DIM v$(3,60),v(3,60,60),vg(3
),vz(3,60)
30 WINDOW#1,35,40,5,5:PAPER#1,0:PEN#1,2
40 PEN 3:LOCATE 7,2:PRINT"V A R I A B L
E N L I S T E":PRINT STRING$(40,154)
50 PEN 1:LOCATE 21,5:PRINT"Zeilennummer:
":PRINT#1,"    0";
60 WINDOW 1,40,10,25
70 PRINT CHR$(30);"Programmname: ";:PEN
2:LINE INPUT n$
80 PEN 1:PRINT:OPENIN n$
100 WHILE NOT EOF
110 fa=0:fr=0:fd=0:ff=0:b$=""
120 LINE INPUT#9,a$
130 i=INSTR(a$," "):z=VAL(LEFT$(a$,i-1))
:LOCATE#1,1,1:PRINT#1,USING"#####";z;
140 FOR j=i+1 TO LEN(a$)
150 a=ASC(MID$(a$,j,1))
160 IF (a>64 AND a<91) OR a=32 THEN b$=b
$+CHR$(a) ELSE b$=""
170 IF NOT fa THEN IF b$="REM " THEN fr=
-1:j=LEN(a$) ELSE IF b$="DATA " THEN fd=
-1 ELSE IF b$="FN" THEN ff=-1
180 IF a=34 THEN fa=NOT fa
190 IF NOT fa THEN IF a=58 THEN fd=0 ELS
E IF a=40 THEN ff=0
200 IF a>96 AND a<123 AND NOT(fa OR fr O
R fd OR ff) THEN GOSUB 1000
210 NEXT:WEND
220 CLOSEIN
300 PRINT#1,"    0";
310 FOR i=0 TO 3
320 FOR j=0 TO 60:vz(i,j)=j:NEXT
330 FOR j=0 TO vg(i)-2
340 FOR k=j+1 TO vg(i)-1
350 IF v$(i,j)>v$(i,k) THEN v$=v$(i,j):v
$(i,j)=v$(i,k):v$(i,k)=v$:v=vz(i,j):vz(i
,j)=vz(i,k):vz(i,k)=v
360 NEXT:NEXT:NEXT
400 PEN 2:PRINT CHR$(10);CHR$(10);"Ferti
g."
410 PEN 3:PRINT CHR$(10);"    ENTER ";:P
EN 1:PRINT">Druckerausgabe":PEN 3:PRINT"
LEERTASTE ";:PEN 1:PRINT">Ausgabe auf Bi
ldschirm"
420 WHILE INKEY$<>"":WEND
430 f1=0:EVERY 25 GOSUB 900
440 i$="":WHILE i$<>CHR$(13) AND i$<>CHR
$(32):i$=INKEY$:WEND
450 r0=REMAIN(0)+REMAIN(1):IF i$=CHR$(13
) THEN w=8:PEN 2:BORDER 1:PRINT"O.K." EL
SE MODE 2:INK 0,13:INK 1,0:BORDER 10
460 PRINT#w,"Variablenliste zu '";n$;"'"
470 PRINT#w,STRING$(80,"=")
480 FOR j=0 TO 3:READ n$(j):NEXT
490 t=1:FOR i=0 TO 3
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500 IF vg(i)=0 THEN 630
510 PRINT#w,CHR$(10);CHR$(10);MID$(STR$(
t),2);". ";n$(i);CHR$(10):t=t+1
520 le=0:FOR j=0 TO vg(i)-1
530 IF LEN(v$(i,j))>le THEN le=LEN(v$(i,
j))
540 NEXT:FOR j=0 TO vg(i)-1
550 PRINT#w,v$(i,j);TAB(le+3);
560 k=0:WHILE v(i,vz(i,j),k)>0
570 IF v(i,vz(i,j),k+1)=0 THEN v$="" ELS
E v$=","
580 v$=MID$(STR$(v(i,vz(i,j),k)),2)+v$
590 IF POS(#w)+LEN(v$)>80 THEN PRINT#w:P
RINT#w,TAB(le+3);
600 PRINT#w,v$;
610 k=k+1:WEND:IF w=0 THEN WHILE INKEY$<
>CHR$(32):WEND
620 PRINT#w:NEXT
630 NEXT
650 MODE 1:INK 0,0:INK 1,13:BORDER 1:PEN
 1
660 CLEAR:END
900 f1=NOT f1:IF f1 THEN 950
910 BORDER 3:AFTER 15,1 GOSUB 930
920 RETURN
930 BORDER 1:RETURN
950 PRINT#2,CHR$(30);CHR$(7):AFTER 15,1
GOSUB 970
960 RETURN
970 PRINT#2,CHR$(30);CHR$(7):RETURN
1000 v$="":va$="a":WHILE (va$>="a" AND v
a$<="z") OR (va$>="0" AND va$<="9")
1010 GOSUB 1500:v$=v$+va$
1020 WEND:v=0
1030 IF va$="%" OR va$="!" THEN GOSUB 15
00:v$=v$+va$
1040 IF va$="" THEN v$=v$+"*"
1050 IF va$="$" THEN GOSUB 1200
1060 IF va$="(" THEN GOSUB 1300
1070 v$=LEFT$(v$,LEN(v$)-1):j=j-2
1100 f1=0:FOR j1=0 TO vg(v)
1110 f1=0:IF v$=v$(v,j1) THEN IF vz(v,j1
)=0 THEN f1=-1 ELSE IF v(v,j1,vz(v,j1)-1
)<>z THEN f1=-1 ELSE f1=1
1120 IF f1 THEN v(v,j1,vz(v,j1))=z:vz(v,
j1)=vz(v,j1)+1:f1=-1:j1=vg(v)
1130 NEXT
1140 IF f1=0 THEN v$(v,vg(v))=v$:v(v,vg(
v),0)=z:vz(v,vg(v))=1:vg(v)=vg(v)+1
1150 RETURN
1200 GOSUB 1500:v$=v$+"(":v=1:RETURN
1300 v$=v$+"x1":d=1:jz=j:ke=1
1310 WHILE ke>0
1320 GOSUB 1500
1330 IF va$="(" OR va$=")" THEN ke=ke+SG
N(40.5-ASC(va$))
1340 IF va$="," AND ke=1 THEN d=d+1:v$=v
$+",x"+MID$(STR$(d),2)
1350 WEND:j=jz:v$=v$+"))"
1360 v=v+2:RETURN
1500 va$=MID$(a$,j,1):j=j+1:RETURN
2000 DATA Einfache numerische Variable,E
infache Stringvariable,Dimensionierte nu
merische Variable,Dimensionierte Stringv
ariable
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