

```

100 REM [5E2A]
110 REM [492C]
120 REM Programmbeispiel zur [C794]
130 REM dynamischen Feldverwaltung [B96A]
140 REM [6232]
150 REM [5D34]
160 MEMORY %9FFF [3B82]
170 dimension=100 [3C5B]
180 DIM feld$(dimension) [DCD2]
190 ON ERROR GOTO 600 [7EE0]
200 REM [602C]
210 REM Lader fuer Maschienenprogramm [01F6]
220 REM [6E30]
230 DATA %DD,%E5,%E1,%4E,%23,%46,%23, [5032]
    %5E,%23,%56,%23,%6E,%DD,%66,%05 [1522]
240 DATA %ED,%B0,%C9
250 FOR z0=%A000 TO %A011:READ z1:POK [E4F8]
    E z0,z1:NEXT [E2BE]
260 ' [E3C0]
270 ' [00AA]
280 ' Basic-Programm [ADC4]
290 ' [E2B4]
300 ' [5930]
310 REM [3592]
320 REM Inkrementieren des Pointers [4B34]
330 REM [1364]
340 pointer=pointer+1
350 IF pointer > dimension THEN GOSUB [9D62]
    420
360 feld$(pointer)="HALLO":'Zugriff a [F010]
    uf >>feld$<< [E3C2]
370 ' [0AC4]
380 ' [17AE]
390 ' Basic-Programm [08B6]
400 ' [09B8]
410 ' [6234]
420 REM [7EDC]
430 REM Routine zur Felderweiterung [5C38]
440 REM
450 z0=3:z1=dimension+100:z2=z0*dimen [1528]
    sion
460 IF FRE(0)<z0*z1 THEN IF FRE("")<z [0556]
    0*z1 THEN ERROR 14 [9FE6]
470 DIM hilf$(dimension)
480 CALL %A000,@feld$(1),@hilfe$(1),z2 [B712]
490 ERASE feld$:dimension=z1:DIM feld [E8BC]
    $(dimension)
500 CALL %A000,@hilfe$(1),@feld$(1),z2

```

```

510 ERASE hilf$ [6804]
520 RETURN [E7DA]
530 ' [14EE]
540 ' [07BE]
550 ' Basic-Programm [E2C0]
560 ' [D9AA]
570 ' [E4C4]
580 REM [E3C6]
590 REM ON ERROR-Routine [3E42]
600 REM [C938]
610 IF ERR=9 AND ERL=360 AND pointer> [AB34]
    dimension THEN GOSUB 420:RESUME
620 PRINT ERR,ERL:ERROR ERR [8772]
    [8614]

```

Listing 1. Das Beispiel-Programm arbeitet mit variabel definierten Feldern

```

10 :
20 :
30 : Unkopieren eindimensionaler Arrays
40 :
50 :
A000 60 org %a000
70 :
80 :
90 :
A000 D0E5 100 push ix
A002 E1 110 pop hl ; Indexregister
; uebernehmen
120 :
A003 4E 130 ld c,(hl)
A004 23 140 inc hl
A005 46 150 ld b,(hl) ; Laenge in bc
160 :
A006 23 170 inc hl
A007 5E 180 ld d,(hl) ; Zieladresse nach de
A008 23 190 inc hl
A009 56 200 ld d,(hl)
210 :
A00A 23 220 inc hl
A00B 6E 230 ld i,(hl)
A00C DD6605 240 ld h,(ix+%05) ; Von-Adresse nach hl
250 :
A00F EDB0 260 ldir ; Blocktransfer (de)=(hl)
270 :
A011 C9 280 ret

```

Listing 2. Der Assembler-Code für die Verschieberoutine