

10	*****	[D164]
20	* (c) Volker Everts *	[747A]
30	* Brachenseestr. 12 *	[40B4]
40	* 8080 Muenchen 70 *	[8B42]
50	*****	[CD6C]
60	DATA 1,D,A3,21,9,A3,C3,D1,8C,0	[9ACA]
70	DATA 0,0,0,10,A3,C3,2C,A3,C3,53	[1C82]
80	DATA A3,C3,8B,A3,C3,83,A3,50,55,53	[AE64]
90	DATA C0,50,4F,D0,44,52,4F,D0,43,4C	[8778]
100	DATA 53,54,C0,0,B7,37,CA,90,A3,4F	[2586]
110	DATA 6,0,00,9,00,9,47,C5,00,20	[507E]
120	DATA D0,56,0,00,20,00,5E,0,3E,3	[6EEA]
130	DATA B7,80,35,73,23,72,23,36,3,C1	[1EF8]
140	DATA 10,E7,C9,B7,37,CA,90,A3,4F,6	[4A00]
150	DATA 0,00,9,00,9,47,C5,00,20,00	[9B2A]
160	DATA 56,0,00,20,00,5E,0,2A,80,80	[204A]
170	DATA 20,7E,FE,3,C2,90,A3,20,13,ED	[24E6]
180	DATA A0,ED,A0,23,22,80,80,C1,10,DE	[C11A]
190	DATA C9,B7,C2,90,A3,B7,8E,35,C9,B7	[6F40]
200	DATA C2,90,A3,2A,80,80,20,7E,D7,A0	[B71A]
210	DATA 35,C9,1E,5,D7,E1,1E,1E,10,10	[57AE]
220	DATA F9,0,0,0,0,0,0,0,0,0	[6E52]
230	MEMORY 5A2FF	[FFA6]
240	FOR i= 41720 TO 41800:READ a#:POKE i	
	,VAL("A"+a#):NEXT i	[A2C4]
250	SAVE"stack.bin",b,5A300,5A0	[9B3C]
260	CALL 5A300	[7FDC]

**Listing 1. Der Basic-Lader für die Basic-Stack-Befehle**

10	REM FAKULTAET	[704C]
20	REM	[FBCC]
30	DEFINT N	[1D56]
40	INPUT N:IF N<1 THEN GOTO 40	[B5A4]
50	GOSUB 80:PRINT FAC:RUN	[F9DA]
60	REM	[FFD4]
70	REM	[0AD6]
80	IF N=1 THEN FAC=1:RETURN	[F560]
90	'ELSE...	[F8C6]
100	!PUSH,N:N=N-1:GOSUB 80:POP,0N:FAC=N	
	+FAC:RETURN	[3D2C]

**Listing 2. Rekursive Programmierung am Beispiel der Fakultäts-Berechnung**

10	!PUSH,3:GOSUB 20:PRINT AX:END	[6F6C]
20	!POP,0a1:RETURN	[46F2]

**Listing 3. Eine fehlerhafte Schachtelung**

10	REM Schlecht !	[D1E0]
20	FOR x=1 TO 10000	[5306]
30	PRINT x	[D7D0]
40	AB=INKEY\$:IF AB<>" " THEN 60	[A4D6]
50	NEXT	[D000]
60	END	[00BA]

**Listing 4. So bringen Sie den Basic-Stack durcheinander**

10	REM Gut :	[A7EC]
20	FOR x=1 TO 10000	[5306]
30	PRINT x	[D7D0]
40	AB=INKEY\$:IF AB<>" " THEN !DROP:GOTO	
	60	[5E5E]
50	NEXT	[D000]
60	END	[00BA]

**Listing 5. Mit «DROP» geht das besser**