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100 Basic Data Generator fuer CPT 46d
110 RSX-Befehle : VALLIST, VARGSEARCH, VARCHANGE
120
130 MEMORY 59CFF: Programm liegt dann unter HIMM mit Flopp,
140 und zwar von 59D00-55572
150 ***** Probelauf
160 RESTORE:zeile=1000:fehlerflag=0
170 FOR s=59D00 TO 56510 STEP 10:erg=0
180 FOR t=0 TO 15:READ a:t=VAL("%"+a)
190 erg=erg+a:NEXT t:READ summe
200 IF erg=SUMME THEN PRINT "Fehler in Zeile":zeile:fehlerflag=1
210 zeile=zeile+10:NEXT s
220 IF fehlerflag THEN END
230 ***** Programmieren
240 PRINT "Jetzt wird programmiert "
250 RESTORE:zeile=1000
260 FOR s=59D00 TO 56510 STEP 10:erg=0:PRINT zeile:
270 FOR t=0 TO 15:READ a:t=VAL("%"+a):erg=erg+a
280 FOR s=t,a:NEXT t:READ summe
290 IF erg=SUMME THEN PRINT "Fehler beim Programmieren":zeile:STOP
300 zeile=zeile+10:NEXT s
310 PRINT "Alles ok " :STOP
320
330 RSX muss noch mit CALL 59D00 initialisiert werden !!
340
1000 DATA 01,22,9D,21,09,9D,C3,D1, BC,00,00,00,00,00,00,00, 983
1010 DATA 00,00,00,00,00,00,00,00, 00,00,00,00,00,00,00,00, 6
1020 DATA 00,00,2D,9D,C3,7A,9D,C3, DB,A1,C3,7E,A3,56,41,52, 1968
1030 DATA 4C,49,53,D4,56,41,52,53, 45,41,52,43,C8,56,41,52, 1476
1040 DATA 43,48,41,4E,47,C5,00,E5, D7,79,2E,E1,C9,07,56,03, 1891
1050 DATA C9,3E,28,CD,40,9D,CB,63, 9D,3E,29,CD,40,9D,3E,20, 1839
1060 DATA C3,4D,9D,E5,2A,36,AE,7E, 23,66,6F,CD,47,9D,E1,C9, 2161
1070 DATA D7,62,01,C9,CD,09,BB,38, FB,C9,D7,32,01,21,FF,C9, 2198
1080 DATA 22,0F,9D,22,11,9D,CB,12, 9F,CD,93,9F,C3,71,A5,E5, 2007
1090 DATA CB,6F,9E,D1,FE,02,D8,FE, 0E,30,F4,FE,07,28,60,FE, 2510
1100 DATA 08,28,EC,EB,CD,AA,9D,EB, 18,E5,CD,B4,9D,CD,15,9E, 2465
1110 DATA CA,85,9E,C9,CD,0A,9E,D5, 01,C7,B0,7E,02,23,23,E5, 2125
1120 DATA 16,00,7A,FE,0E,28,17,14, 23,03,7E,02,17,30,F3,7A, 1097
1130 DATA FE,10,28,07,3E,20,02,14, 02,18,F4,D1,E1,C9,21,F0, 1612
1140 DATA 9D,CB,01,9E,2A,36,AE,22, AE,AD,CD,63,9D,C3,71,A3, 2096
1150 DATA 4E,61,6D,65,20,74,6F,6F, 30,6C,6F,6E,67,20,3A,20, 1341
1160 DATA 00,7E,87,23,C8,CD,56,BB, 18,F7,23,7E,FE,20,28,F4, 2034
1170 DATA FE,01,D0,B7,C9,D5,E5,01, FO,FF,2A,11,9D,09,ED,58, 2338
1180 DATA 0F,9D,CD,0B,9F,38,0C,11, C7,B0,AF,CD,38,9E,20,ED, 1870
1190 DATA AF,18,02,F6,FF,E1,D1,C9, 05,08,E5,87,28,02,23,23, 2271
1200 DATA 23,12,7E,4E,5F,47,1A, E6,5F,B8,20,1E,79,17,30, 1444
1210 DATA EF,13,1A,FE,0D,20,14,F1, D1,C1,1A,FE,0A,30,02,BE, 1779
1220 DATA C9,7E,FE,0B,C8,FE,0C,C8, FE,0B,C9,E1,D1,C1,C9,CD, 2759
1230 DATA 0A,9C,FE,C8,FE,0E,38,D, FE,0E,38,9E,30,22,28,09,FE, 1695
1240 DATA 7C,28,19,FE,FF,C0,23,C9, 23,7E,23,28,C8,B7,20,F8, 2238
1250 DATA 2B,2E,22,C9,FE,08,C8,FE, 07,C8,23,23,FS,23,7E,17, 1762
1260 DATA 30,FB,F1,C9,FE,18,D8,FE, 19,28,0B,FE,1F,38,03,23, 1941
1270 DATA 23,23,23,23,C9,D5,E5,01, FO,FF,0D,58,83,AE,2A,0F, 1969
1280 DATA 0D,09,CD,0B,9F,DA,EE,AA, 2A,11,9D,09,ED,58,0F,9D, 1886
1290 DATA CD,0B,9F,11,C7,B0,38,29, AF,CD,38,9E,30,ED,E5,ED, 2209
1300 DATA 5B,0F,9D,B7,ED,42,ED,52, 23,44,4D,21,F0,FF,19,22, 1835
1310 DATA 0F,9D,EB,ED,B0,01,10,00, 21,C7,B0,D1,ED,B0,E1,D1, 2301
1320 DATA C9,E5,2A,0F,9D,09,22,0F, 18,EA,EA,7C,BA,D8,CD,7D, 1960
1330 DATA BB,C9,2A,81,AE,23,7E,23, B6,C8,22,23,36,AE,23,CD, 1848
1340 DATA 8F,9D,2B,CD,2B,9F,87,20, F6,18,EA,CD,6F,9E,FE,02, 2199
1350 DATA DB,FE,97,C8,FE,0A,20,F3, C9,21,46,9F,0E,11,7E,23, 2232
1360 DATA CD,56,BB,10,F9,C9,04,02, 1D,01,01,1C,01,18,18,1C, 1690

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1370 DATA 00,00,00,0E,00,0F,01,7C, B7,20,14,7D,FE,64,30,0F, 931
1380 DATA 3E,20,CD,4D,9D,7D,FE,0A, 30,05,3E,20,CD,4D,9D,CD, 1213
1390 DATA 47,20,3E,70,C3,4D,9D,E5, 23,7E,FE,C3,20,07,C8,BF, 1868
1400 DATA C0,4D,9D,10,F3,E1,7E,FE, 05,FE,20,CB,8F,FE,37,09, 2425
1410 DATA C3,4D,9D,CB,39,9E,21,09, 00,22,13,9D,26,11,9D,11, 1576
1420 DATA F0,FE,18,08,09,3E,01,32, 19,9D,0E,01,ED,58,0F,9D, 1549
1430 DATA CB,0B,9F,38,32,3E,1F,CD, 5A,BB,3A,19,9D,CB,5A,BB, 1778
1440 DATA 79,CD,5A,BB,E5,2A,13,9D, 23,22,13,9D,CB,57,9F,E1, 1971
1450 DATA C0,77,9F,11,F0,FF,19,0F, 3E,18,87,20,CF,5A,19,9D, 1782
1460 DATA C6,14,32,19,9D,10,C3,FE, 21,3F,AD,CD,01,9E,C0,7A, 1831
1470 DATA 9D,CB,08,BB,CB,AE,E1,FE, 52,C0,71,A2,FE,4E,28,19, 2569
1480 DATA FE,42,2B,10,FE,59,C1,0A, 00,FE,52,C0,76,AD,18,0F, 2565
1490 DATA ED,58,0F,9D,CB,0B,9F,38, CE,3E,0F,CD,5A,BB,C3,63, 2051
1500 DATA 9F,3E,0F,CD,5A,BB,E5,2A, 13,9D,11,48,FE,87,ED,5A, 2016
1510 DATA 01,F4,96,9F,32,13,9D,EB, 11,89,08,19,C3,63,9F,1F, 1942
1520 DATA 0F,19,2B,4E,29,65,78,74, 20,20,20,20,28,42,29,61, 908
1530 DATA 85,68,20,20,20,28,52, 29,65,61,64,79,20,20,20, 1012
1540 DATA 20,28,57,29,61,76,65,6E, 20,20,20,20,28,50,29,72, 1625
1550 DATA 69,6E,74,65,6E,00,CB,05, E5,11,C7,B0,21,B1,A2,CD, 2150
1560 DATA D8,A2,01,FE,F7,2A,0F,9D, 09,ED,58,83,AE,CD,0B,9F, 2124
1570 DATA 0A,EE,AA,EB,3A,1A,9D,4F, 21,C7,B0,9F,47,CD,0B,9F, 2319
1580 DATA 09,C8,BE,41,21,C8,B0,CD, 8C,BC,3E,09,CD,70,5D,01, 1955
1590 DATA F0,FF,ED,58,0F,9D,2A,11, 9E,09,CD,0B,9F,58,0A,CD, 1866
1600 DATA 77,9F,3E,0D,CD,4D,9D,1B, F0,CD,8F,6C,AF,CD,70,9D, 2241
1610 DATA 3E,0C,CD,5A,BB,E1,D1,C1, AF,C9,CD,9B,A1,DA,E7,9F, 2688
1620 DATA C5,05,E5,3E,08,CD,70,9D, 7E,0D,CD,9D,4D,2A,11,9D, 1913
1630 DATA ED,58,0F,9D,B7,ED,52,06, 04,C8,3E,CB,1D,1A,F4,22, 1867
1640 DATA 00,9D,7D,CB,3C,CB,10,C8, 3C,CB,10,E6,03,28,01,23, 1594
1650 DATA 22,15,9D,29,29,29,29,44, 04,2A,11,9D,C5,01,F0,FF, 1476
1660 DATA 09,C1,11,91,00,CD,47,A1, 3E,0A,CD,4D,9D,13,65,01, 1385
1670 DATA F0,FF,09,C1,E5,2A,15,9D, CD,0B,9F,E1,30,E7,AF,CD, 2005
1680 DATA 70,9D,E1,D1,C1,AF,C9,65, E5,CD,7F,A1,38,22,C5,0F, 2508
1690 DATA 14,CD,72,A1,C1,CD,7F,A1, 38,16,65,0E,28,CD,70,A1, 1997
1700 DATA C1,CD,7F,A1,38,0A,65,0E, 3C,CD,73,A1,C1,CB,7F,A1, 2190
1710 DATA E1,01,C9,3A,23,AC,B9,CB, 3E,20,CD,4D,9D,18,F4,C3, 2283
1720 DATA ED,0B,57,9F,ED,4E,15,9D, 09,EB,CD,77,9F,C1,B7,EB, 2516
1730 DATA 42,D5,ED,58,0F,9D,CB,0B, 9F,D1,C9,CD,2E,BD,0D,FS, 2457
1740 DATA C5,E5,21,B8,A1,CD,01,9E, 06,07,21,09,09,2B,7C,B5, 1562
1750 DATA 20,F8,10,FE,E1,C1,F1,C9, 1F,16,19,11,07,2A,2A,20, 1625
1760 DATA 50,52,49,4E,54,45,52,20, 49,53,20,4E,4F,5A,29,02, 1123
1770 DATA 45,41,44,39,20,21,20,2A, 2A,12,0F,FE,01,20,1A,BD, 1020
1780 DATA 7E,00,FE,09,30,9F,FS,CD, 70,9D,F1,FE,08,20,06,CD, 1917
1790 DATA 9B,A1,DA,71,A3,21,68,A2, 11,48,AB,CD,BB,A2,FE,FF, 2454
1800 DATA 32,1D,9D,2A,36,AE,E5,CD, 11,A2,E1,22,36,AE,C3,71, 1914
1810 DATA A3,2A,81,AE,23,E5,4E,23, 46,78,B1,28,2D,23,22,39, 1469
1820 DATA AE,23,E5,CD,6F,9E,D1,FE, 02,38,31,FE,0E,30,FS,FE, 2295
1830 DATA 07,28,FE,0B,CD,28,EB,EB, CD,0A,9F,05,11,48,AB,FE, 2145
1840 DATA FF,CD,38,9E,D1,28,0E,CD, 18,D8,E1,8F,C9,C5,30,19, 2269
1850 DATA 9D,87,2B,13,CD,51,9D,C1, E1,09,18,8F,2B,CB,2B,9F, 1928
1860 DATA 87,20,FF,E1,09,18,AE,C1, E1,37,C9,57,48,49,45,48, 1881
1870 DATA 20,56,41,52,49,41,42,42, 45,20,3F,20,00,07,2A,2B, 832
1880 DATA 42,52,45,41,48,2A,2A,20, 4E,4C,44,20,4E,41,4D,45, 985
1890 DATA 20,3A,20,00,4E,45,57,20, 4E,41,4D,45,20,3A,20,00, 789
1900 DATA C4,69,6E,65,20,74,6F,6F, 2A,0C,6F,6E,67,20,3A,20, 1348
1910 DATA 00,0A,0D,4E,41,4D,45,20, 3A,20,09,C5,09,92,FE,79, 936
1920 DATA 28,0C,04,FE,2A,26,07,04, FE,21,28,02,06,09,78,12, 883
1930 DATA C1,C9,CD,81,BB,CD,06,BB, C3,84,BB,CD,01,9E,CD,7B, 2516
1940 DATA BB,7C,3E,19,9D,01,D8,AE, C5,FE,32,1A,9D,CD,D2,AE, 1921
1950 DATA FE,FC,28,77,FE,09,20,3E, FS,7F,28,1E,FE,21,38,ED, 2063
1960 DATA D5,57,3A,1A,9D,FE,28,28, 0A,3C,32,1A,9D,7A,01,26, 1543
1970 DATA DC,02,02,CD,5A,BB,18,05, 3A,10,9D,87,2B,CF,30,32, 1726
1980 DATA 1A,9D,AF,0B,02,3E,0B,CD, 5A,BB,3E,20,CD,5A,BB,3E, 1561

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1990	DATA	08, CD, 5A, BB, 18, B7, CD, 5A, BB, 3E, 0A, CD, 5A, BB, 0B, 0A,	1754
2000	DATA	CD, BB, A2, 13, 20, 05, 21, 1A,	1418
2010	DATA	1A, 9D, 60, 69, 47, 5E, 29, 90,	1324
2020	DATA	38, 00, C1, 0A, 12, B7, C8, 13,	1478
2030	DATA	9E, AF, 32, AA, AD, 32, 21, AC,	2063
2040	DATA	1E, 9D, 21, BB, A2, 11, C7, B0,	1812
2050	DATA	9D, 21, 9A, A2, 11, 48, A6, CD,	1974
2060	DATA	A2, 30, 20, 21, 24, A5, CD, 01,	1720
2070	DATA	01, 9E, CD, 74, 9D, CD, 02, A2,	2067
2080	DATA	A5, 18, AB, D7, B7, 26, 3A, 1A,	1475
2090	DATA	18, 00, B7, E0, 52, 22, 1E, 9D,	1591
2100	DATA	23, 22, 17, 9D, 22, 0F, 9D, 3A,	1360
2110	DATA	AE, B7, ED, 52, 23, 44, 4D, ED,	1980
2120	DATA	CD, 1E, B8, 2A, B1, AE, 23, ED,	1783
2130	DATA	5B, 0F, 9D, AE, 23, 46, ED, 43,	1525
2140	DATA	72, A5, 2A, 17, 9D, ED, 4B, 11,	1307
2150	DATA	EB, 71, 23, 70, 23, EB, 0B, 0B,	1651
2160	DATA	2A, 17, 9D, 23, 23, 22, B3, AE,	1322
2170	DATA	71, A3, 3E, FF, 32, 1C, 9D, 21,	1416
2180	DATA	23, E5, 5E, 23, 56, 7A, B3, 28,	1462
2190	DATA	00, 00, E5, CD, 6F, 9E, D1, FE,	2059
2200	DATA	07, 2B, EF, FE, 0B, 2B, CB, EB,	2136
2210	DATA	E1, 2B, CD, 2B, 9F, B7, 20, DA,	2243
2220	DATA	A5, 11, 2F, 01, EB, CD, 0B, 9F,	2259
2230	DATA	63, 21, C1, 11, 00, 00, 7E, 23,	1691
2240	DATA	7C, B7, 20, 31, D1, E1, 19, 1B,	1756
2250	DATA	CD, B5, B0, 7E, B5, 28, 26, 23,	1520
2260	DATA	B3, AE, 19, EB, 2A, 7B, AE, CD,	2021
2270	DATA	01, A5, C3, 6E, A3, E1, D1, 21,	2353
2280	DATA	A3, 4D, 65, 6D, 6F, 72, 79, 20,	1760
2290	DATA	0A, 0D, 43, 6F, 6E, 74, 69, 6E,	1157
2300	DATA	65, 73, 20, 00, 4E, 65, 77, 20,	1325
2310	DATA	6E, 6A, 20, 3A, 20, 00, 07, 2A,	234
2320	DATA	20, 41, 42, 4F, 52, 54, 20, 21,	1194
2330	DATA	5E, FF, CD, 3B, 9E, 20, 0A, E5,	1695
2340	DATA	93, D1, C9, C5, ED, 5B, 1E, 9D,	1714
2350	DATA	C1, C9, D5, 11, 40, 00, 0B, 0B,	1428
2360	DATA	00, 23, E5, C6, AF, 9E, D1, FE,	2104
2370	DATA	07, 2B, EF, FE, 0B, 2B, EB, EB,	2282
2380	DATA	FF, CD, 3B, 9E, D1, CC, C3, A3,	2584
2390	DATA	20, D0, D1, C9, 2A, 11, 9D, ED,	1817
2400	DATA	09, EB, C9, E5, D5, 11, 4B, A6,	1635
2410	DATA	B7, E5, C4, E6, A5, CC, 04, A6,	2066
2420	DATA	13, 17, 30, F9, D1, CD, B4, A5,	2046
2430	DATA	00, 09, E5, B7, ED, 52, 44, 4D,	1818
2440	DATA	B9, F6, FF, C9, 7E, 23, 17, 30,	1886
2450	DATA	09, ED, 52, 44, 4D, 2A, 1E, 9D,	1389

Zweifelsohne ist reichlich Tipparbeit nötig, wenn man nicht die Sammelkassette vom Verlag beziehen will.

100 Diese Zeilen muessen fuer CPC 664 geaendert werden :

140
1040 DATA 43,48,41,4E,47,C5,00,E5, D7,49,2F,E1,C9,D7,6C,93, 1921
1050 DATA C9,3E,28,CD,4D,9D,CD,63, 9D,3E,29,CD,4D,9D,3E,20, 1839
1060 DATA C3,4D,9D,E5,2A,1D,AE,7E, 23,66,6F,CD,47,9D,E1,C9, 2156
1070 DATA D7,A9,01,C9,CD,09,BB,38, FB,C9,D7,2F,01,21,FF,9C, 2292
1140 DATA 9D,CD,01,9E,2A,1D,AE,22, 8C,AD,CD,63,9D,C3,71,67, 2045
1270 DATA 23,23,23,23,C9,05,E5,01, F0,FF,ED,5B,66,AE,2A,0F, 1940
1330 DATA BB,C9,2A,64,AE,23,7E,23, B6,CB,23,22,1D,AE,23,CD, 1794
1560 DATA DB,A2,01,FE,F7,2A,0F,9D, 09,ED,5B,66,AE,CD,0B,9F, 2085
1710 DATA E1,D1,C9,3A,0B,AC,B9,CB, 3E,20,CD,4D,9D,1B,F4,15, 2256
1800 DATA 32,1D,9D,2A,1D,AE,E5,CD, 11,A2,E1,23,1D,AE,C3,71, 1864
1810 DATA A3,2A,64,AE,23,E5,4E,23, 46,7B,81,28,2D,23,22,1D, 1406
2030 DATA 9E,AF,32,9D,AD,32,06,AC, CD,00,B9,C3,5B,C0,AF,32, 2019
2080 DATA A5,18,AB,D7,75,27,3A,1A, 9D,6F,26,00,3A,1B,9D,5F, 1458
2090 DATA 16,00,B7,ED,32,22,1E,9D, 2B,03,D4,52,A4,2A,64,AE, 1562
2100 DATA 23,22,17,9D,22,0F,9D,3A, 1C,9D,B7,2B,1F,EB,2A,66, 1331
2110 DATA AE,B7,ED,52,23,44,4D,ED, 5B,66,AE,2A,20,9D,19,EB, 1951
2120 DATA CD,1E,B9,2A,64,AE,23,ED, 5B,20,9D,19,22,0D,9D,ED, 1754
2160 DATA 2A,17,9D,23,23,22,66,AE, AF,12,13,12,D7,2F,01,C3, 1290
2170 DATA 71,A3,3E,FF,32,1C,9D,21, 00,00,22,13,9D,2A,64,AE, 1387
2180 DATA 23,E5,5E,23,56,7A,B3,2B, 60,D5,23,22,1D,AE,23,01, 1437
2250 DATA D7,6D,1D,7C,B5,2B,26,22, 20,9D,11,04,10,19,EB,2A, 1285
2260 DATA 66,AE,19,EB,2A,5E,AE,CD, 0B,9F,3B,02,E1,C9,E1,21, 1963

Für den 664 sind einige Zeilen zu ändern.

100 Diese Zeilen unterscheiden sich beim CPC 6128 vom CPC 664 :

140

1040 DATA 43,48,41,4E,47,C5,00,E5, D7,44,2F,E1,C9,D7,A0,03, 1913

1070 DATA D7,A6,01,C9,CD,09,BB,38, FB,C9,D7,2F,01,21,FF,9C, 2199

2080 DATA A5,1B,AB,D7,70,27,3A,1A, 9D,6F,26,00,3A,1B,9D,5F, 1453

2250 DATA D7,5B,1D,7C,B5,2B,26,22, 20,9D,11,04,10,17,EB,2A, 1280

Der 6128 erfordert nochmals vier geänderte Zeilen.

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10      Zehner Tastatur neu belegen : SHIFT 0 = A etc
20
30 KEY DEF 15,0,ASC("0"),ASC("A"):KEY DEF 13,0,ASC("1"),ASC("B")
40 KEY DEF 14,0,ASC("2"),ASC("C"):KEY DEF 5,0,ASC("3"),ASC("D")
50 KEY DEF 20,0,ASC("4"),ASC("E"):KEY DEF 12,0,ASC("5"),ASC("F")
60 KEY 138,"."

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Mit dieser Belegung der Shift-Ebene des Nummernblocks lassen sich Hex-Daten viel leichter eintippen.

