
 PHONEMLISTE SSI 263

Hex-Code	Symbol	Beispielwort (in Englisch)	Hex-Code	Symbol	Beispielwort (in Englisch)
00	PA	(Pause)	20	L	<u>l</u> ift
01	E	me <u>e</u> t	21	L1	pl <u>a</u> y
02	E1	b <u>e</u> nt	22	LF	fall (End-L)
03	Y	b <u>e</u> fore	23	W	<u>w</u> ater
04	Y1	y <u>e</u> ar	24	B	<u>b</u> ag
05	AY	pl <u>e</u> ase	25	D	pa <u>i</u> d
06	IE	<u>a</u> ny	26	KV	ta <u>g</u>
07	I	<u>s</u> ix	27	P	p <u>e</u> ncil
08	A	ma <u>d</u> e	28	T	<u>t</u> art
09	AI	ca <u>r</u> e	29	K	<u>k</u> it
0A	EH	ne <u>s</u> t	2A	HV	(Vokal halten)
0B	EH1	bel <u>t</u>	2B	HVC	d(h)oubt
0C	AE	da <u>d</u>	2C	HF	hea <u>r</u> t
0D	AE1	afte <u>r</u>	2D	HFC	p(h)ound
0E	AH	go <u>t</u>	2E	HN	(Nasal halten)
0F	AH1	fa <u>t</u> her	2F	Z	ze <u>r</u> o
10	AW	offi <u>c</u> e	30	S	<u>s</u> ame
11	O	sto <u>r</u> e	31	J	plea <u>s</u> ure
12	OU	boa <u>t</u>	32	SCH	sheep
13	OO	loo <u>k</u>	33	V	<u>v</u> ery
14	IU	yo <u>u</u>	34	F	<u>f</u> ive
15	IU1	cou <u>l</u> d	35	THV	<u>t</u> here
16	U	tu <u>n</u> e	36	TH	<u>w</u> ith
17	U1	mo <u>o</u> n	37	M	<u>m</u> ost
18	UH	won <u>d</u> er	38	N	<u>n</u> ine
19	UH1	lo <u>v</u> e	39	NG	so <u>n</u> g
1A	UH2	wha <u>t</u>	3A	:A	Madchen (*)
1B	UH3	hu <u>t</u>	3B	:OU	Mgwe (*)
1C	ER	bi <u>r</u> d	3C	:U	T <u>u</u> r (*)
1D	R	roo <u>f</u>	3D	:UH	me <u>n</u> u (+)
1E	R1	ru <u>g</u>	3E	E2	Bi <u>t</u> te (*)
1F	R2	Kutter..(*)	3F	LB	<u>l</u> (+)

(*) bedeutet, daß das Beispielwort aus dem Deutschen kommt;
 (+), daß es sich um ein französisches Wort handelt.

(Beachten Sie bitte, daß den Hex-Codes in BASIC ein "&" (SHIFT+6)
 vorangestellt werden muß, wenn sie direkt mit dem OUT-Befehl an
 SPRECH1 gesendet werden sollen.)

Die Register des SSI 263

Register-Selektion				Register	Format der Daten							
RS0	RS1	RS2	PIO		D7	D6	D5	D4	D3	D2	D1	D0
0	0	0	: 0	Phonem und -dauer	PD1	PD0	P5	P4	P3	P2	P1	P0
?	?	1	: 32	Filterfrequenz	F7	F6	F5	F4	F3	F2	F1	F0
0	1	0	: 16	Tonhöhe und Geschwindigkeit	G3	G2	G1	G0	T11	T2	T1	T0
1	0	0	: 8	Tonhöhe	T10	T9	T8	T7	T6	T5	T4	T3
1	1	0	: 24	Lautstärke, Control und Artikulation	CTL	A2	A1	A0	L3	L2	L1	L0

Datenbits	Bedeutung	Bereich der Bits	Normalwert
P0 - P5	Phonemnummer	0 bis 63	-
G0 - G3	Sprachgeschwindigkeit	0 bis 15	10
PD0 & PD1	Dauer des Phonems (nur Modus 1 und 3)	0 bis 7	0
F0 - F7	Filterfrequenz	0 bis 255	233
L0 - L3	Lautstärke	0 bis 15	10
A0 - A2	Artikulationsrate	0 bis 7	4
T0 - T11	Tonhöhe		
	Modus 1 und 2: T0 - T11 Zielfrequenz	0 bis 4095	-
	Modus 3: T0 - T2 wie bei Modus 1/2	0 bis 7	-
	T3 - T5 Übergangs- geschwindigkeit	0 bis 7	4
	T6 - T10 Zielfrequenz	0 bis 31	-
	T11 "0"=tief, "1"=hoch	0 oder 1	-
CTL	Bestimmung des Modus durch PD0 & PD1		

Wechselt das CTL-Bit von logisch 1 auf 0, so wird der Modus durch den Zustand von PD0 und PD1 festgelegt:

PD0 PD1

0	0	kein Einfluß auf den Modus, KEIN HANDSHAKE mehr !
0	1	Modus 1: Zielfrequenz sofort ansteuern, wobei PD0 & PD1 die Phonemdauer angeben
1	0	Modus 2: Zielfrequenz sofort ansteuern, Phonemdauer fest definiert
1	1	Modus 3: Zielfrequenz graduell ansteuern, wobei PD0 & PD1 die Phonemdauer angeben

10	'		[117]
20	generiert: "SPRECHI.RSX"		[2294]
30	'		[117]
40	1987 by Jens Heimsoth und		[1183]
50	Jan-Mirko Maczewski		[1141]
60	'		[117]
70	MODE 1:MEMORY &7FFF		[1419]
80	r\$=CHR\$(30)+STRING\$(5,CHR\$(9)):PRINT"Zeile";:z=102		[3422]
90	FOR i=1 TO 3:READ adr,1:z=z+2		[1107]
100	'		[117]
110	FOR a=adr TO adr+1 STEP 10		[1924]
120	PRINT r\$;z;		[451]
130	FOR b=0 TO 4		[951]
140	READ b\$:x\$=x\$+b\$		[816]
150	NEXT b		[378]
160	FOR c=0 TO 9		[818]
170	x=VAL("&" +MID\$(x\$,c*2+1,2))		[2211]
180	POKE c+a;x:sum=sum+x		[610]
190	NEXT c:x\$="":z=z+2		[1058]
200	READ p\$:psum=VAL("&" +p\$)		[1326]
210	IF sum<>psum THEN 330 ELSE sum=0		[1572]
220	NEXT a:z=z+2		[367]
230	'		[117]
240	PRINT CHR\$(13)"Teil"i"OK.";CHR\$(11);		[2195]
250	PRINT CHR\$(13)"Zeile";		[1556]
260	NEXT i		[375]
270	PRINT CHR\$(30)SPC(10)		[1182]
280	LOCATE 1,6:PRINT"Alle DATAs OK ..."		[2550]
290	PRINT:PRINT"Bitte Datentraeger einlegen und dann eine Taste druecken !"		[4699]
300	CALL &BB18		[389]
310	SAVE"SPRECHI.RSX",b,&8000,&1000		[1328]
320	END		[110]
330	PRINT CHR\$(7)"DATAFEHLER!":END		[2054]
340	'Teil 1		[202]
350	DATA 32768,1129		[721]
360	DATA FE01,C0EB,4678,FE00,C823,551		[575]
370	DATA 5E23,56EB,E578,320A,897E,462		[1857]
380	DATA FE61,3806,FE7B,3002,CBAE,4C1		[1619]

390	DATA	2310,F23A,0A89,4F11,0090,2E2	[1614]	1280	DATA	89E1,2205,897E,FE2E,2808,3F4	[1835]
400	DATA	E1ED,B001,F2F8,3ECF,ED79,6DC	[947]	1290	DATA	C332,81CD,4884,18F3,3E00,458	[2046]
410	DATA	97ED,7901,F3F8,3ECF,ED79,65C	[1693]	1300	DATA	3204,892A,0789,2205,89C9,2F2	[2220]
420	DATA	3E80,ED79,2E80,2618,CD10,3ED	[1699]	1310	DATA	3A09,89B7,C83C,3209,89FE,449	[1931]
430	DATA	842E,C026,00CD,1084,2E7F,3A6	[851]	1320	DATA	FF28,14CD,5084,3A03,8937,3D9	[1196]
440	DATA	2618,CD10,84CD,5084,3ED6,454	[2147]	1330	DATA	3FD6,08D8,3203,896F,2608,350	[1289]
450	DATA	32CB,83ED,480A,8906,000D,35E	[1766]	1340	DATA	C30F,843A,0189,C602,6F26,377	[1800]
460	DATA	2100,9009,E57E,21E6,8901,3AE	[1558]	1350	DATA	20CD,0F84,3A00,89E6,0F47,37F	[1793]
470	DATA	0700,EDB1,E128,0823,3620,32F	[953]	1360	DATA	3A00,89E6,F00F,0F0F,0FFE,3D3	[2012]
480	DATA	233E,2018,057E,3620,2377,20C	[1161]	1370	DATA	0338,02D6,030F,0F0F,0F80,202	[1338]
490	DATA	FE20,2809,FE41,3807,FE5B,426	[864]	1380	DATA	6F26,1018,0E26,0001,F1F8,2DB	[1973]
500	DATA	3003,2336,2E23,3600,2336,16C	[1465]	1390	DATA	ED78,E680,FE80,CA06,8400,59D	[1030]
510	DATA	2E23,3600,2B2B,2B7E,FE21,2A5	[963]	1400	DATA	01F0,FB7D,ED79,01F1,FB7C,632	[1347]
520	DATA	2806,FE3F,2812,1825,3A02,21E	[920]	1410	DATA	F640,ED79,7CE6,38ED,79C9,665	[1192]
530	DATA	89F6,0F32,0289,6F26,18CD,3C5	[1091]	1420	DATA	3A03,896F,2608,CD0F,843A,2FD	[1613]
540	DATA	0F84,1815,3EC6,32CB,833A,37E	[1477]	1430	DATA	0289,6F26,18CD,0F84,3A01,2D3	[956]
550	DATA	0389,D608,8809,3203,896F,2D8	[2093]	1440	DATA	896F,2620,CD0F,843A,0089,361	[1335]
560	DATA	2608,CD0F,8421,0090,2205,266	[1439]	1450	DATA	6F26,10C3,0F84,2A05,8923,2D6	[2097]
570	DATA	8997,320B,893E,FE32,0989,3E6	[1320]	1460	DATA	2205,89C9,2E98,26E8,2200,36F	[1951]
580	DATA	7EE5,21E6,8901,0700,EDB1,499	[1416]	1470	DATA	892E,7F26,5022,0289,18C4,335	[2012]
590	DATA	E128,0323,18F0,FE21,282E,3AC	[1350]	1480	DATA	C5D5,E5CD,5ABB,E1D1,C1C9,79D	[2205]
600	DATA	FE2C,281A,FE2E,281C,FE3B,415	[1831]	1490	Teil 2		[209]
610	DATA	2818,FE3A,280E,FE3F,201A,325	[1198]	1500	DATA	35072,515	[690]
620	DATA	3A03,89C6,08CD,CE83,1810,3DA	[1544]	1510	DATA	0000,0000,98E8,7F50,0000,24F	[1515]
630	DATA	AF32,CC83,180A,3A03,89D6,3EE	[1980]	1520	DATA	0000,0000,0000,0000,0000,000	[1481]
640	DATA	1038,03CD,CE83,3E08,32CC,3AD	[1253]	1530	DATA	0000,4E55,4C4C,2E45,494E,245	[1286]
650	DATA	83CD,3684,2A05,897E,FE20,45E	[1750]	1540	DATA	532E,5A57,4549,2E44,5245,2C9	[2037]
660	DATA	3823,FE5B,301F,DE20,8721,3A1	[1356]	1550	DATA	492E,5649,4552,2E46,5545,2BB	[2214]
670	DATA	008F,4F06,0009,0146,817E,233	[1959]	1560	DATA	4E46,2E53,4558,2E53,4945,2C1	[1904]
680	DATA	0302,0323,7E02,CD5A,BB3A,2C7	[2000]	1570	DATA	4245,4E2E,4143,4854,2E4E,29F	[2078]
690	DATA	0489,FE01,CAA5,832A,0589,436	[1365]	1580	DATA	4555,4E2E,414E,4655,4555,2DA	[1465]
700	DATA	2322,0589,3A0B,89B7,C2D3,3ED	[1501]	1590	DATA	4552,554E,4753,5354,5249,316	[1717]
710	DATA	807E,FE41,30C5,E521,E689,5A7	[1386]	1600	DATA	4348,452E,4E55,4D4D,4552,2D2	[1347]
720	DATA	0107,00ED,B1E1,20B9,3E10,3AE	[1484]	1610	DATA	4E5A,4549,4348,454E,2E44,2C6	[963]
730	DATA	320B,8923,7EB7,2863,2B7E,352	[1960]	1620	DATA	4F4C,4C41,522E,5052,4F5A,2F3	[1634]
740	DATA	18B4,CDB6,832A,0589,237E,42B	[1013]	1630	DATA	454E,542E,554E,442E,4150,2BB	[1939]
750	DATA	FE45,2805,2E0D,C301,8423,316	[1548]	1640	DATA	4F53,5452,4F46,462E,4B4C,2E8	[1800]
760	DATA	7ECD,4884,FE55,282B,2E3A,425	[2074]	1650	DATA	414D,4D45,5220,4155,462E,29C	[1637]
770	DATA	C301,84CD,B683,2A05,8923,429	[1781]	1660	DATA	4B4C,414D,4D45,5220,5A55,2D8	[1741]
780	DATA	7EFE,4928,0DFE,5528,16FE,489	[1942]	1670	DATA	2E4D,414C,2E50,4C55,532E,2A8	[2216]
790	DATA	4828,1F2E,02C3,0184,2E0D,242	[1653]	1680	DATA	4D49,4E55,532E,4745,5445,2DF	[1464]
800	DATA	CD01,842E,06CD,0184,C348,3E3	[1216]	1690	DATA	494C,5420,4455,5243,482E,2AD	[1990]
810	DATA	842E,11CD,0184,2E07,CD01,318	[888]	1700	DATA	444F,5050,454C,5055,4E4B,302	[2209]
820	DATA	84C3,4884,2E02,CD01,842E,3C3	[1168]	1710	DATA	542E,4B4C,4549,4E45,5220,2AC	[2369]
830	DATA	02CD,0184,C348,842E,00C3,3D4	[986]	1720	DATA	414C,532E,474C,4549,4348,2BA	[1690]
840	DATA	0184,2E24,C301,842A,0589,2D7	[1120]	1730	DATA	2E47,524F,4553,5345,5220,2B8	[2289]
850	DATA	237E,FE48,2806,FE4B,280A,390	[1070]	1740	DATA	414C,532E,202E,2C3B,3A21,21E	[1744]
860	DATA	1846,2E2C,CD01,84C3,4884,399	[904]	1750	DATA	3F21,F689,01FA,89C3,D18C,5B3	[1321]
870	DATA	2E29,CD01,84C3,4884,2E25,38B	[1777]	1760	DATA	0000,0000,298A,C300,80C3,2B9	[826]
880	DATA	C301,842E,34C3,0184,2E29,349	[1586]	1770	DATA	0080,C383,8AC3,838A,C394,577	[1182]
890	DATA	C301,842E,2CC3,0184,CDB6,46D	[2321]	1780	DATA	8AC3,948A,C3A9,8AC3,A98A,657	[936]
900	DATA	832A,0589,237E,FE48,2804,34E	[1301]	1790	DATA	C3B1,8AC3,B18A,C3CA,8AC3,6D6	[1003]
910	DATA	FE45,2008,2E01,CD01,84CD,3B9	[1363]	1800	DATA	CA8A,C3D2,8AC3,D28A,C3E7,73C	[641]
920	DATA	4884,2E01,C301,842E,04C3,338	[1821]	1810	DATA	8A53,41D9,5341,C756,4F4C,443	[1578]
930	DATA	0184,2E29,CD01,84C3,1582,388	[1910]	1820	DATA	554D,C556,4FCC,4152,5449,408	[2192]
940	DATA	2E21,C301,842E,37C3,0184,344	[1281]	1830	DATA	4B55,4C41,5449,4FCE,4152,37A	[1761]
950	DATA	2E38,C301,84CD,B683,2A05,3E3	[1525]	1840	DATA	D446,494C,5445,5246,5245,377	[1258]
960	DATA	8923,7EFE,4528,062E,12CD,3A8	[1395]	1850	DATA	5155,454E,D446,46D1,4745,3FC	[2057]
970	DATA	0184,C92E,3ECD,0184,C348,417	[1672]	1860	DATA	5343,4857,494E,4449,474B,2EB	[2038]
980	DATA	842E,27C3,0184,2E29,CD01,346	[1368]	1870	DATA	4549,D453,5045,45C4,544F,3F6	[1230]
990	DATA	842E,2CCD,0184,2E23,CD01,34F	[1827]	1880	DATA	4E48,4F45,48C5,54C8,4E4F,3F0	[2418]
1000	DATA	84C3,4884,2EEC,CD01,842E,4AD	[1704]	1890	DATA	524D,41CC,4ED2,4D4F,44C5,471	[1705]
1010	DATA	DFCD,0184,2EEC,C301,842A,4BD	[1764]	1900	DATA	00FE,01C0,7BE6,0F47,3A58,408	[1221]
1020	DATA	0589,237E,FE50,2814,FE43,3FA	[1232]	1910	DATA	84E6,F0B0,3258,84C9,FE01,5E0	[2058]
1030	DATA	2815,2E30,C301,84CD,4884,37C	[1159]	1920	DATA	C07B,E607,1717,1717,473A,305	[1413]
1040	DATA	CD48,842E,32CD,0184,2E32,3AB	[1567]	1930	DATA	5884,E60F,B032,5884,C9FE,556	[2030]
1050	DATA	C301,8423,7EFE,4828,EA18,459	[1331]	1940	DATA	01C0,7B32,5384,C9FE,01C0,4CD	[1412]
1060	DATA	E32E,28C3,0184,CDB6,832A,481	[1174]	1950	DATA	7BE6,0FCB,27CB,27CB,27CB,511	[2566]
1070	DATA	0589,237E,FE45,2805,2E17,2E4	[1468]	1960	DATA	2747,3A51,84E6,0F80,3251,3A5	[1649]
1080	DATA	C301,842E,3CCD,0184,C348,40F	[2554]	1970	DATA	84C9,FE01,C07B,325A,84C9,560	[1206]
1090	DATA	842E,33C3,0184,2E29,CD01,352	[1834]	1980	DATA	3E98,3251,843E,E832,5384,40C	[1053]
1100	DATA	842E,28CD,0184,2E30,C301,351	[1542]	1990	DATA	3E7F,3258,843E,5032,5A8A,369	[1542]
1110	DATA	842E,28CD,0184,2E30,C301,34E	[1505]	2000	DATA	C9FE,01C0,7BB7,C8E6,03CB,636	[2986]
1120	DATA	842E,00CD,0184,2E00,CD01,300	[1087]	2010	DATA	27CB,27CB,27CB,27CB,27CB,4BA	[2077]
1130	DATA	842E,00CD,0184,2E00,C301,2F6	[956]	2020	DATA	2747,3A48,80B0,3248,80C9,3E3	[1490]
1140	DATA	8421,1289,187B,2117,8918,2AC	[1370]	2030	Teil 3		[208]
1150	DATA	7621,1CB9,1871,2121,8918,2A8	[1497]	2040	DATA	36608,117	[565]
1160	DATA	6C21,2689,1867,212B,8918,2A8	[1533]	2050	DATA	DD81,F982,3F83,4483,4983,52E	[1380]
1170	DATA	6221,3189,185D,2135,8918,2A9	[1485]	2060	DATA	4E83,5383,5883,5D83,6283,447	[2403]
1180	DATA	5821,3CB9,1853,2141,8918,2AC	[1293]	2070	DATA	6783,6C83,F982,7183,F982,5C3	[1688]
1190	DATA	4E21,4689,1849,215A,8918,2BB	[1420]	2080	DATA	7683,0D83,1283,1783,1C83,357	[869]
1200	DATA	4421,6989,183F,2170,8918,2E0	[1107]	2090	DATA	2183,2683,2BB3,30B3,3583,366	[1253]
1210	DATA	3A21,7889,1835,217C,8918,2E7	[1681]	2100	DATA	3A83,7883,F982,80B3,8583,541	[2160]
1220	DATA	3021,6689,182B,2192,8918,2F7	[1473]	2110	DATA	8A83,F982,F982,7E81,E281,665	[1414]
1230	DATA	2621,9D89,1821,21A1,8918,309	[1136]	2120	DATA	E781,0682,9D81,0B82,1082,42D	[2249]
1240	DATA	1C21,A689,1817,21AC,8918,309	[1950]	2130	DATA	1582,1A82,3782,3C82,4A82,370	[1088]
1250	DATA	1221,BA89,180D,21C6,8918,323	[1521]	2140	DATA	4982,4E82,5382,6D82,7282,453	[1644]
1260	DATA	0821,0289,1803,21D9,893E,360	[845]	2150	DATA	8482,9382,BD82,C282,0B82,52B	[1276]
1270	DATA	0132,0489,E52A,0589,2207,286	[1621]	2160	DATA	DB82,E082,3782,EF82,0000,4E9	[1017]

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10 ' SPRECHI-Testprogramm "HALLO" [2153]
20 ' [117]
30 ' 1987 by J.H. und J-M.M. [1209]
40 ' [117]
50 daa=&F8F0:dab=daa+1:OUT daa+2,207:OUT d [4745]
aa+2,0:OUT dab+2,207:OUT dab+2,128
60 a=128:b=24:GOSUB 160 [1380]
70 a=128:b=0:GOSUB 160 [1708]
80 a=95:b=24:GOSUB 160 [1052]
90 a=229:b=32:GOSUB 150 [913]
100 a=127:b=16:GOSUB 150 [1642]
110 a=40:b=8:GOSUB 150 [1063]
120 FOR i=1 TO 15:READ a$:a=VAL("&"a$) [1039]
130 b=0:GOSUB 150:NEXT i:END [2823]
140 DATA 2c,d,21,21,12,0,0,0,31,16,30,a,9f [2165]
,ec,00
150 IF INP (dab)=128 THEN 150 [1407]
160 OUT daa,a:OUT dab,b OR 64:OUT dab,b AN [2474]
D 56:RETURN

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10 ' Demonstration von SPRECHI [1927]
20 ' [117]
30 ' 1987 by J.H. und J-M.M. [1209]
40 ' [117]
50 IF PEEK (&8000)<>254 THEN MEMORY &7FFF: [4657]
LOAD"sprechi.rsx CALL &89ED
60 KEY 0,";SAY,"+CHR$(34):KEY 1,";TH," [1999]
70 KEY 2,";FFQ,";KEY 3,";SPEED," [1966]
80 KEY 4,";ART,";SPEED,12 [1196]
90 MODE 0:PRINT" Demo fuer Sprechi" [4221]
100 ;TH,80;FFQ,232;ART,7 [2053]
110 a$="HERZLICH WILKOMMEN ZU SPRECHI, DEM [6958]
HAATWAER SSUENTESSEISER FUER IHREN TSE PE
TSE. ;SAY,@a$
120 a$="DIESER SPRACH SSUENTESSEISER BIETE [10344]
T VON HAUS AUS EINE MENGE VON MOEGlichkeit
EN, DIE WIR MIT UNSEREM PROGRAM VERSUCHT H
ABEN, ZUGENGLICH ZU MACHEN.";SAY,@a$
130 a$="DER TSCHIP ERLAUBT DEM BENUTZER EI [8568]
NE MENGE VON EINSCHTELLMOEOEGlichkeiten, M
IT DENEN DIE SPRACHE STARK BEEINFLUSST WER
DEN KANN. ";SAY,@a$
140 a$="MAN KANN ZUM BEISPIEL EINEN ALTEN [7352]
MANN SPRECHEN LASSEN, WAS SICH ETWA SO AN
HOEREN KOENNTE.";SAY,@a$
150 ;TH,40;FFQ,227;SPEED,10 [1903]
160 a$="SAG MAL ELSE, HAST DU MEINE REUMAT [3009]
ABLETTEN GESEHEN?";SAY,@a$
170 ;TH,80;FFQ,232;a$=" SIE KOENNTE DANN [4187]
ANTWORTEN.";SAY,@a$
180 ;SPEED,13;TH,200;FFQ,231 [3199]
190 a$=" ABER SCHATZ, DIE HABE ICH DIR [6817]
DOCH IN DEINEN NACHT TISCH GELECKT.";SAY
,@a$
200 ;TH,80;FFQ,232;a$=" MITLERWEILE K [8285]
OENNTE DANN EIN BETRUNKENER VORBEIKOMMEN,
DER UM EINEN SCHLUCK BITTET.";SAY,@a$
210 ;SPEED,8;TH,60;FFQ,230;ART,3 [2870]
220 a$=" SAAGEN SIE MAAL, JUNGE FRAU, HABE [7321]
N SIE NICHT EINEN KLEINEN SCHLUCK FUER?";
SAY,@a$;TH,200;a$="MICH?";SAY,@a$
230 ;SPEED,12;TH,80;FFQ,232;ART,7 [2521]
240 a$="ABER SPRECHI KANN NICHT NUR";SAY, [3979]
@a$;TH,200;x$=" HOCH";SAY,@x$
250 ;TH,80;a$=" UND";SAY,@a$;TH,30;a$=" [4478]
TIEF";SAY,@a$
260 ;TH,80;a$=" SPRECHEN, SONDERN AUCH"; [8238]
SAY,@a$;VOL,4;a$="LEISE";SAY,@a$;VOL,15
:a$="LAUT";SAY,@a$;VOL,12;a$="SCHNELL";
SAY,@a$
270 ;SPEED,15;a$="ICH KANN SOGGAAR SCHNAE [4516]
LLER SCHPRECHAEAEENN.";SAY,@a$
280 ;SPEED,4;a$="ODER SEHR LANGSAM.";SAY, [3311]
@a$

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20 ' Ueber Sieben Bruecken ... [852]
30 ' [117]
40 ' 1987 by J. Heimssoth und [1244]
50 ' J-M. Maczewski [1357]
60 ' [117]
70 DEFINT a-z:ON ERROR GOTO 650 [1520]
80 daa=&F8F0:dab=daa+1 [1762]
90 OUT daa+2,207:OUT daa+2,0:OUT dab+2,207 [3203]
:OUT dab+2,128
100 a=128:b=24:GOSUB 230 [1382]
110 a=128:b=0:GOSUB 230 [1535]
120 a=95:b=24:GOSUB 230 [1070]
130 a=230:b=32:GOSUB 220 [1311]
140 a=136:b=16:GOSUB 220 [1392]
150 a=125:b=8:GOSUB 220 [1576]
160 FOR i=1 TO 6000:READ a [1005]
170 IF a>63 THEN GOSUB 240:GOTO 190 [1739]
180 b=0:GOSUB 220 [1796]
190 NEXT i [375]
200 DATA 0,0,0,0,0 [936]
210 END [110]
220 IF INP (dab)=128 THEN 220 [1417]
230 OUT daa,a:OUT dab,b OR 64:OUT dab,b AN [2474]
D 56:RETURN
240 b=8:READ a:t=a:c=-62500/(a/7)+4096:a=V [4601]
AL("&"X"+MID$(BIN$(c,12),2,8))
250 GOSUB 220:SOUND 129,62500/t,500:SOUND [5142]
132 62500/(t/3),500:RETURN
260 READ a$:a=VAL("&"a$):GOSUB 220 [846]
270 Ueber [179]
280 DATA 64,349,&3c,&2a,&2d,&3a,&1f [1508]
290 sieben [445]
300 DATA 64,392,&30,&1,&1,&1,&24,&3A,&38 [988]
310 Bruecken [1072]
320 DATA 64,440,&24,&1e,&3c,&29,&29,&3A,&3 [2106]
#
330 musst Du [1215]
340 DATA &37,&13,&30,&28, 64,349,&17 [775]
350 ' geh'n [757]
360 DATA 64,392,&29,&2,&2,&38,&38,0,0,0,0, [1430]
0,0,0
370 sieben [445]
380 DATA &30,&1,&1,&1,&24,&3A,&38 [1298]
390 dunkle [1307]
400 DATA 64,440,&25,&13,&13,&38,64,523,&29 [2784]
,&20,&0a
410 Jahre [170]
420 DATA 64,587,4,&d,&d,&d,&d,64,523,&1f,& [1894]
3e,&3e
430 uebersteh'n [479]
440 DATA 64,440,&3c,&2a,64,349,&2d,&3a,&1f [3106]
,&64,392,&32,&28,2,&2,&38,&38,0,0,0,0,0,
0
450 siebenmal [1010]
460 DATA &30,&1,&1,&1,&24,&3A,&38,&37,&d,&d,& [2659]
21,0,0
470 wirst [245]
480 DATA &23,1,&1f,&30,&28 [849]
490 ' Du [316]
500 DATA 64,440,&16,&16,0 [1121]
510 die Asche [1239]
520 DATA &28,6,6,0, &d,&32,64,330,&3a,&3a [1622]
,&
530 ' sein [331]
540 DATA 64,294,&30,&d,3,&38,0,0,0,0,0 [990]
550 aber [433]
560 DATA 64,392,&d,&d,64,440,&24,&3a,&1f [1019]
570 einmal [1246]
580 DATA 64,466,&d,&6,&38,&37,&d,&21,0 [1695]
590 auch der [790]
600 DATA &d,&17,&2c,0, 64,523,&2d,2,&1f [1163]
610 ' helle [280]
620 DATA 64,440,&2c,&3a,&3a,&3a,64,102,&3a [3258]
,&3a,64,350,&20,&3e,&3e
630 Schein. [906]
640 DATA &32,&d,3,3,&38,0,0,0,0 [602]
650 RUN [243]

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