

MAGIC BASIC

READY.

..C. REQ BK AC XR YR SP WWDITD
..AB2B EA31 07 0D FF 1C FB *.*.*.*

..C000 7D SEI IRQ setzen (unnötig)
..C001 A9 8D LDA #45B
..C003 8D 0B 03 STA #C30B } für BASIC-Erw.
..C006 A7 C9 LDA #45C } \$C05B
..C009 8D 09 03 STA #C309
..C00D A7 84 LDA #45B
..C00B 8D 0A 03 STA #C30A } Funktionen-Erw.
..C011 A7 C5 LDA #45C } \$C536
..C012 8D 0E 03 STA #C30E
..C013 A7 F6 LDA #45F6
..C017 8D 8F 02 STA #C28F } für Funktionstasten
..C01A A7 C5 LDA #45C } \$C5F6
..C01C 8D 90 02 STA #C290
..C01F A7 1C LDA #45C
..C021 8D 06 03 STA #C306 } Warmstart
..C024 A7 C0 LDA #45C } \$C04C
..C026 8D 01 03 STA #C301
..C027 8D CLD
..C02A A7 8E LDA #45E
..C02E A7 C0 LDY #45C ***MAGIC BASIC***
..C03E 2C 1E 1D JSR #A21E ausgeben
..C031 8D RTS ab nach BASIC
..C032 2A 2A ORA #2A
..C034 2A ROL ***
..C03E 2A ROL
..C03A 2A 42 41 JSR #1142 MAGIC
..C03B 2A 2A ROL BASIC
..C037 53 TST ***
..C040 19 43 BSR #443
..C042 20 34 34 BSR #3433
..C043 20 2A 2A BSR #2A2A
..C043 2A ROL
..C042 0D A0 0D ORA #00A0
..C04D 8B BLI
..C04D A7 F6 LDA #45F6
..C04F 8D 8F 02 STA #C28F
..C052 A7 C5 LDA #45C
..C054 8D 90 02 STA #C290
..C057 8D CLD
..C05C 8D 8B E3 JNP #E3E3
..C05D 20 43 40 JSR #0073 CHRGET
..C05E 8D 8F 02 STA #C28F
..C05F 8D 8F 02 STA #C28F
..C062 20 77 00 JSR #0077
..C063 10 27 A7 JMP #45E7
..C065 20 73 00 JSR #0073
..C06E 8D 8F 02 STA #C28F
..C06F 8D 8F 02 STA #C28F
..C072 8D 8F 02 STA #C28F

..C074 8D 74 BSR #4074
..C076 8D 43 BSR #4043
..C078 8D 03 BNE #C07D
..C07A 1C E5 01 JNP #C1E5
..C07D 13 43 CMP #443
..C07F 8D 03 BNE #C084
..C081 1C FA 01 JNP #C1FA
..C084 8D 56 CMP #456
..C086 8D 03 BNE #C08B
..C088 4C 3F 02 JNP #C23F
..C08D 8D 53 CMP #453
..C08E 8D 03 BNE #C092
..C08F 18 F2 02 JNP #C2F2
..C092 8D 46 CMP #446
..C094 8D 03 BNE #C099
..C096 4C 71 02 JNP #C271
..C099 8D 54 CMP #454
..C09B 8D 03 BNE #C0A0
..C09D 4C 73 02 JNP #C273
..C0A0 8D 57 CMP #457
..C0A2 8D 03 BNE #C0A7
..C0A4 4C 83 02 JNP #C283
..C0A7 8D 41 CMP #441
..C0A9 8D 03 BNE #C0AE
..C0AB 4C 84 02 JNP #C284
..C0AD 8D 52 CMP #452
..C0B0 8D 03 BNE #C0B5
..C0B2 4C 2F 02 JNP #C22F
..C0B5 8D 8C CMP #45C
..C0B7 8D 8C BNE #C0BC
..C0B9 4C 70 02 JNP #C270
..C0BB 8D 4F CMP #44F
..C0BD 8D 03 BNE #C0C2
..C0BF 1C 87 03 JNP #C387
..C0C2 8D 4D CMP #44D
..C0C5 8D 03 BNE #C0CA
..C0C7 4C 5B 06 JNP #C25B
..C0CA 8D 4D CMP #44D
..C0CD 8D 03 BNE #C0D1
..C0CE 4C 2A 07 JNP #C22A
..C0D1 8D 4B CMP #44B
..C0D3 8D 03 BNE #C0D8
..C0D5 4C 16 08 JNP #C216
..C0D8 8D 8B CMP #45B
..C0DA 8D 8B CMP #45B
..C0DB 20 73 00 JSR #0073
..C0DE 8D 8B CMP #45B
..C0E2 8D 13 BNE #C0E9
..C0E4 8D 8B CMP #45B
..C0E7 4C 8B 00 JNP #C28B
..C0EA 20 78 00 JSR #0078
..C0EB 8D 45 CMP #445
..C0ED 8D 03 BNE #C0F1
..C0F1 1C 83 06 JNP #C383
..C0F4 8D 4B CMP #44B
..C0F6 8D 8B CMP #45B
..C0F8 20 73 00 JSR #0073
..C0FB 8D 8B CMP #45B
..C0FD 8D 74 BSR #4074
..C0FF 8D 8B CMP #45B

ja
"E"?
nein
in COL
"B"?
nein
SVW MAX ERROR
auf 2h
m 4 prü
abgelegt
CHRGET
Zeichen holen
E?
nein
Zeichen holen
ja
Originalroutine
Zeichen holen
POS?
nein
zu POS
da

1572
 1573
 1574
 1575
 1576
 1577
 1578
 1579
 1580
 1581
 1582
 1583
 1584
 1585
 1586
 1587
 1588
 1589
 1590
 1591
 1592
 1593
 1594
 1595
 1596
 1597
 1598
 1599
 1600
 1601
 1602
 1603
 1604
 1605
 1606
 1607
 1608
 1609
 1610
 1611
 1612
 1613
 1614
 1615
 1616
 1617
 1618
 1619
 1620
 1621
 1622
 1623
 1624
 1625
 1626
 1627
 1628
 1629
 1630
 1631
 1632
 1633
 1634
 1635
 1636
 1637
 1638
 1639
 1640
 1641
 1642
 1643
 1644
 1645
 1646
 1647
 1648
 1649
 1650
 1651
 1652
 1653
 1654
 1655
 1656
 1657
 1658
 1659
 1660
 1661
 1662
 1663
 1664
 1665
 1666
 1667
 1668
 1669
 1670
 1671
 1672
 1673
 1674
 1675
 1676
 1677
 1678
 1679
 1680
 1681
 1682
 1683
 1684
 1685
 1686
 1687
 1688
 1689
 1690
 1691
 1692
 1693
 1694
 1695
 1696
 1697
 1698
 1699
 1700
 1701
 1702
 1703
 1704
 1705
 1706
 1707
 1708
 1709
 1710
 1711
 1712
 1713
 1714
 1715
 1716
 1717
 1718
 1719
 1720
 1721
 1722
 1723
 1724
 1725
 1726
 1727
 1728
 1729
 1730
 1731
 1732
 1733
 1734
 1735
 1736
 1737
 1738
 1739
 1740
 1741
 1742
 1743
 1744
 1745
 1746
 1747
 1748
 1749
 1750
 1751
 1752
 1753
 1754
 1755
 1756
 1757
 1758
 1759
 1760
 1761
 1762
 1763
 1764
 1765
 1766
 1767
 1768
 1769
 1770
 1771
 1772
 1773
 1774
 1775
 1776
 1777
 1778
 1779
 1780
 1781
 1782
 1783
 1784
 1785
 1786
 1787
 1788
 1789
 1790
 1791
 1792
 1793
 1794
 1795
 1796
 1797
 1798
 1799
 1800
 1801
 1802
 1803
 1804
 1805
 1806
 1807
 1808
 1809
 1810
 1811
 1812
 1813
 1814
 1815
 1816
 1817
 1818
 1819
 1820
 1821
 1822
 1823
 1824
 1825
 1826
 1827
 1828
 1829
 1830
 1831
 1832
 1833
 1834
 1835
 1836
 1837
 1838
 1839
 1840
 1841
 1842
 1843
 1844
 1845
 1846
 1847
 1848
 1849
 1850
 1851
 1852
 1853
 1854
 1855
 1856
 1857
 1858
 1859
 1860
 1861
 1862
 1863
 1864
 1865
 1866
 1867
 1868
 1869
 1870
 1871
 1872
 1873
 1874
 1875
 1876
 1877
 1878
 1879
 1880
 1881
 1882
 1883
 1884
 1885
 1886
 1887
 1888
 1889
 1890
 1891
 1892
 1893
 1894
 1895
 1896
 1897
 1898
 1899
 1900
 1901
 1902
 1903
 1904
 1905
 1906
 1907
 1908
 1909
 1910
 1911
 1912
 1913
 1914
 1915
 1916
 1917
 1918
 1919
 1920
 1921
 1922
 1923
 1924
 1925
 1926
 1927
 1928
 1929
 1930
 1931
 1932
 1933
 1934
 1935
 1936
 1937
 1938
 1939
 1940
 1941
 1942
 1943
 1944
 1945
 1946
 1947
 1948
 1949
 1950
 1951
 1952
 1953
 1954
 1955
 1956
 1957
 1958
 1959
 1960
 1961
 1962
 1963
 1964
 1965
 1966
 1967
 1968
 1969
 1970
 1971
 1972
 1973
 1974
 1975
 1976
 1977
 1978
 1979
 1980
 1981
 1982
 1983
 1984
 1985
 1986
 1987
 1988
 1989
 1990
 1991
 1992
 1993
 1994
 1995
 1996
 1997
 1998
 1999
 2000

```

.,C320 0A      ASL
.,C321 0A      ASL
.,C322 65 02    ADC #02
.,C323 A6 B4    LDX #B4
.,C324 9D 06 B4 STA #D406,X
.,C325 4C AE A7 JMP #A7AE
.,C326 4C 48 B2 JMP #B248
.,C327 20 E5 C0 JSR #C0E5
.,C328 A9 4E     LDA #4E
.,C329 20 DE D0 JSR #D0DE
.,C330 20 73 00 JSR #0073
.,C331 20 EB B7 JSR #B7EB
.,C332 BA      TXA
.,C333 F0 EC    BEQ #C32C
.,C334 B6 B4    STX #B4
.,C335 A5 2B    LDA #2B
.,C336 85 22    STA #22
.,C337 A5 2C    LDA #2C
.,C338 85 23    STA #23
.,C339 A0 02    LDY #02
.,C340 A5 14    LDA #14
.,C341 91 22    STA (#22),Y
.,C342 CB      INY
.,C343 A5 15    LDA #15
.,C344 91 22    STA (#22),Y
.,C345 18      CLC
.,C346 A5 14    LDA #14
.,C347 65 B4    ADC #B4
.,C348 85 14    STA #14
.,C349 90 02    BCC #C360
.,C350 E6 15    INC #15
.,C351 A0 00    LDY #00
.,C352 D1 22    LDA (#22),Y
.,C353 AA      TAX
.,C354 CB      INY
.,C355 D1 22    LDA (#22),Y
.,C356 86 22    STX #22
.,C357 85 23    STA #23
.,C358 D0 DC    BNE #C34A
.,C359 F0 16    BEQ #C3B6
.,C360 20 73 00 JSR #0073
.,C361 20 6D A9 JSR #A96D
.,C362 20 13 A6 JSR #A613
.,C363 3B      SEC
.,C364 A5 5F    LDA #5F
.,C365 E9 01    SBC #01
.,C366 85 41    STA #41
.,C367 A5 60    LDA #60
.,C368 E9 00    SBC #00
.,C369 85 42    STA #42
.,C370 4C AE A7 JMP #A7AE
.,C371 20 73 00 JSR #0073
.,C372 C9 46    CMP #46
.,C373 D0 03    BNE #C393
.,C374 4C 7F CB JMP #C87F
.,C375 C9 4C    CMP #4C
.,C376 F0 03    BEQ #C39A
.,C377 4C 08 AF JMP #AF08
.,C378 A5 44    LDA #44
.,C379 20 DE D0 JSR #D0DE
.,C380 A0 03    LDY #03
.,C381 CB      INY

```

```

.,C3A2 F0 88    BEQ #C32C
.,C3A3 B1 2B    LDA (#2B),Y
.,C3A4 00 F7    BNE #C3A1
.,C3A5 C8      INY
.,C3A6 84 02    STY #02
.,C3A7 A5 2B    LDA #2B
.,C3A8 18      CLC
.,C3A9 65 02    ADC #02
.,C3AA 85 22    STA #22
.,C3AB A5 2C    LDA #2C
.,C3AC 67 00    ADB #00
.,C3AD 85 23    STA #23
.,C3AE A0 00    LDY #00
.,C3AF A5 22    LDA #22
.,C3B0 91 2B    STA (#2B),Y
.,C3B1 CB      INY
.,C3B2 A5 23    LDA #23
.,C3B3 91 2B    STA (#2B),Y
.,C3B4 A5 2B    LDA #2B
.,C3B5 85 22    STA #22
.,C3B6 A5 2B    LDA #2B
.,C3B7 85 23    STA #23
.,C3B8 A0 00    LDY #00
.,C3B9 A5 23    LDA #23
.,C3BA C9 A0    CMP #A0
.,C3BB D0 03    BNE #C3D6
.,C3BC 4C 48 B2 JMP #B248
.,C3BD E6 22    INC #22
.,C3BE D0 0C    BNE #C3DE
.,C3BF E6 23    INC #23
.,C3C0 D1 22    LDA (#22),Y
.,C3C1 D0 ED    BNE #C3CD
.,C3C2 A0 02    LDY #02
.,C3C3 B1 22    LDA (#22),Y
.,C3C4 D0 E5    BNE #C3CB
.,C3C5 A5 22    LDA #22
.,C3C6 18      CLC
.,C3C7 69 03    ADC #03
.,C3C8 85 2D    STA #2D
.,C3C9 A5 23    LDA #23
.,C3CA 69 00    ADC #00
.,C3CB 85 2E    STA #2E
.,C3CC 20 5E A6 JSR #A65E
.,C3CD 4C 6D C1 JMP #C16D
.,C3CE A9 52    LDA #52
.,C3CF 20 DB C0 JSR #C0DB
.,C3D0 A9 49    LDA #49
.,C3D1 20 DE C0 JSR #C0DE
.,C3D2 A9 54    LDA #54
.,C3D3 20 DE C0 JSR #C0DE
.,C3D4 A9 45    LDA #45
.,C3D5 20 DE C0 JSR #C0DE
.,C3D6 20 73 00 JSR #0073
.,C3D7 C9 58    CMP #58
.,C3D8 D0 2D    BNE #C441
.,C3D9 20 54 C4 JSR #C454
.,C3DA 4B      PHA
.,C3DB 20 BA AD JSR #ADBA
.,C3DC 20 F7 B7 JSR #B7F7
.,C3DD 6B      PLA
.,C3DE AA      TAX

```

MALIC BASIC

```

..C420 0A      ASL
..C421 AB      TAY
..C422 A5 14    LDA #14
..C424 97 00 D0 STA $D000,Y
..C427 A5 15    LDA #15
..C427 08      PHF
..C42A 20 2B C5 JSR $C52B
..C42D 28      PLF
..C42E F0 06    BEQ $C436
..C430 0D 10 D0 DRA $D010
..C433 4C 3B C4 JMP $C43B
..C434 4F FF    EOR #$FF
..C43B 2D 10 D0 AND $D010
..C43B 8D 10 D0 STA $D010
..C43E 4C AE A7 JMP $A7AE
..C441 59 59    CMP #59
..C443 D0 23    BNE $C46B
..C445 20 56 C4 JSR $C456
..C448 0A      ASL
..C449 4B      PHA
..C44A 20 9E B7 JSR $B79E
..C44D 68      PLA
..C44E AB      TAY
..C44F BA      TXA
..C450 97 01 D0 STA $D001,Y
..C452 4C AE A7 JMP $A7AE
..C454 20 73 00 JSR $0073
..C459 20 9E B7 JSR $B79E
..C45C E9 0B    CPX #0B
..C45E 90 03    BCC $C463
..C460 4C 4B D2 JMP $E24B
..C463 20 FD AE JSR $AEFD
..C466 8A      TXA
..C467 60      RTS
..C46B 09 43    CMP #43
..C46A D0 1A    BNE $C486
..C46C A9 4F    LDA #$4F
..C46E 20 DB D0 JSR $C0DB
..C471 A9 4C    LDA #$4C
..C473 20 DB C0 JSR $C0DB
..C476 20 56 C4 JSR $C456
..C479 4B      PHA
..C47A 20 9E B7 JSR $B79E
..C47D 68      PLA
..C47E AB      TAY
..C47F BA      TXA
..C480 97 27 D0 STA $D027,Y
..C483 4C AE A7 JMP $A7AE
..C486 09 42    CMP #42
..C48B D0 1B    BNE $C4A5
..C48A AD 8B 02 LDA $028B
..C48D 1C      CLC
..C48E 69 03    ADC #03
..C490 85 FF    STA $FF
..C492 A7 F8    LDA #$F8
..C494 85 FE    STA $FE
..C496 20 56 C4 JSR $C456
..C499 4B      PHA
..C49A 20 9E B7 JSR $B79E
..C49D 68      PLA
..C49E AB      TAY
..C49F BA      TXA
..C4A0 91 FE    STA ($FE),Y
..C4A2 4C AE A7 JMP $A7AE
..C4A5 E7 91    CMP #91
..C4A7 D0 2B    BNE $C4D1
..C4A9 A7 15    LDA #15
..C4AB 85 02    STA $02
..C4AD 20 56 C4 JSR $C456
..C4B0 4B      PHA
..C4B1 20 9E B7 JSR $B79E
..C4B4 68      PLA
..C4B5 E0 00    BFX #00
..C4B7 0B      PHF
..C4B8 AA      TAX
..C4B9 20 2B C5 JSR $C52B
..C4BC A4 02    LDY #02
..C4BE 2B      PLF
..C4C1 F0 05    BEQ $C4C6
..C4C3 4C CB E4 JMP $C4CB
..C4C6 4F FF    EOR #$FF
..C4C8 39 00 D0 AND $D000,Y
..C4CB 97 00 D0 STA $D000,Y
..C4CE 4C AE A7 JMP $A7AE
..C4D1 09 50    CMP #50
..C4D3 D0 04    BNE $C4D9
..C4D5 A9 1B    LDA #1B
..C4D7 D0 D2    BNE $C4AB
..C4D9 09 DD    CMP #DD
..C4DB D0 13    BNE $C4F0
..C4DD 20 73 00 JSR $0073
..C4DE 09 58    CMP #58
..C4E2 F0 32    BEQ $C516
..C4E4 09 57    CMP #57
..C4E6 D0 2E    BNE $C516
..C4E8 A9 17    LDA #17
..C4EA D0 DF    BNE $C4AB
..C4EC A9 1D    LDA #1D
..C4EE D0 DB    BNE $C4AB
..C4F0 09 4D    CMP #4D
..C4F2 D0 22    BNE $C516
..C4F4 20 73 00 JSR $0073
..C4F7 09 91    CMP #91
..C4F9 D0 04    BNE $C4FF
..C4FB A9 1C    LDA #1C
..C4FD D0 AC    BNE $C4AB
..C4FF 09 30    CMP #30
..C501 D0 0F    BNE $C512
..C503 20 73 00 JSR $0073
..C506 20 FD AE JSR $AEFD
..C507 20 9E B7 JSR $B79E
..C50C 8E 23 D0 STX $D023
..C50F 4C AE A7 JMP $A7AE
..C512 09 31    CMP #31
..C514 F0 03    BEQ $C519
..C516 4C 0B AF JMP $AF0B
..C519 20 73 00 JSR $0073
..C51C 20 FD AE JSR $AEFD
..C51F 20 9E B7 JSR $B79E
..C522 8E 26 D0 STX $D026
..C525 4C AE A7 JMP $A7AE
..C528 4C 2C C3 JMP $C32C

```


MAGIC BASIC

DEZ

```

0000 49 52 EOR #452
0008 0D 00 4C ORA #4000
000E 49 53 EOR #453
0014 54 ???
001E 00 BRK
0024 73 ???
002E 52 ???
0034 55 4E COR #4E,X
003C 0D 00 4C ORA #4000
0042 4F ???
0048 41 41 EOR #41,X
004E 00 BRK
0054 5F ???
005A 44 ???
0060 19 53 EOR #453
0068 1B ???
006E 00 BRK
0074 00 BRK
007E 53 ???
0084 41 56 EOR #56,X
008C 45 21 EOR #22
0092 00 BRK
0098 20 E8 00 JSR #00E8
009E 49 59 LDA #459
00A4 20 E8 00 JSR #00E8
00AA 20 73 00 JSR #0073
00B0 09 4F CMP #4F
00B8 F0 20 DEQ #C639
00C0 07 71 CMP #71
00C8 F0 03 BEQ #C6CE
00D0 48 03 AF JMS #AFC0
00D8 70 SEI
00E0 A7 56 LDA #456
00E8 0D 0F 02 STA #020F
00F0 19 05 LDA #455
00F8 0D 70 02 STA #0270
0100 5D CLI
0108 A7 4E LDA #44E
0110 0D 00 03 STA #0300
0118 A7 00 LDA #400
0120 0D 01 03 STA #0301
0128 42 6D 01 JMP #C16D
0130 A9 46 LDA #446
0138 20 DB 00 JSR #00DB
0140 20 EB 00 JSR #00EB
0148 70 SEI
0150 A7 48 LDA #448
0158 01 9F 02 STA #029F
0160 A7 EB LDA #4EB
0168 02 70 02 STA #0270
0170 5C CLI
0178 A9 8B LDA #48B
0180 0D 00 03 STA #0300
0188 A7 E3 LDA #4E3
0190 0D 01 03 STA #0301
0198 4C 1D 01 JMP #C16D
01A0 A2 11 LDX #411
01A8 15 13 A4 JMP #A134
01B0 49 4E LDA #44E
01B8 20 DD 00 JSR #00DD
01C0 20 73 00 JSR #0073

```

```

01C8 0D 45 BCB #C84C
01D0 20 3E A7 JSR #A93E
01D8 20 79 00 JSR #0079
01E0 08 MIF
01E8 03 33 BNE #C633
01F0 4B 45 07 JMP #E765
01F8 09 AB CMP #4AB
0200 06 A1 BNE #C660
0208 20 13 A6 JSR #A613
0210 28 FLR
0218 20 75 00 JSR #0075
0220 20 6B A7 JSR #A96B
0228 A3 14 LDA #14
0230 08 15 ORA #15
0238 13 03 BNE #C6DA
0240 4C 0D 07 JMP #E70D
0248 A3 5F LDA #5F
0250 03 58 STA #58
0258 A3 40 LDA #40
0260 05 59 STA #59
0268 20 A2 07 JSR #D7A2
0270 A3 40 LDA #40
0278 F9 1F DEB #C610
0280 A3 40 LDA #40
0288 03 57 CMP #57
0290 70 0A BCC #C6F9
0298 F0 32 DEB #C6F3
02A0 50 25 BCS #D718
02A8 A3 5F LDA #5F
02B0 03 58 CMP #58
02B8 30 1F BCS #C718
02C0 1E 48 02 JMP #D348
02C8 09 AD CMP #4AD
02D0 F0 03 BEQ #C783
02D8 4C 00 AF JMP #AF08
02E0 20 75 00 JSR #0075
02E8 20 6B A7 JSR #A96B
02F0 20 AB 07 JSR #C7AB
02F8 AC 60 LDA #60
0300 F0 70 BEQ #C6AB
0308 AC 2B LDA #2B
0310 0E 58 STA #58
0318 A3 2C LDA #2C
0320 03 57 STA #57
0328 40 00 LDY #100
0330 B1 5F LDA #5F,Y
0338 41 TAX
0340 08 INT
0348 01 3F LDA #3F,Y
0350 06 0F STX #5F
0358 03 00 STA #40
0360 70 1E LDA #ED
0368 05 0A STA #5A
0370 A5 1E LDA #1E
0378 05 3B STA #3B
0380 A5 3A LDA #3A
0388 3E DEC
0390 03 5F BDC #5F
0398 40 TAX
03A0 45 5D LDA #5D
03A8 E5 60 SBC #60

```

keine Ziffer
Zeilennummer
CHRGOT
Prozessorstatus
noch nicht Ende

bisher: "DE"
prüfen
Zeichen



MAGIC BASIC

```

.,C736 AB TAY
.,C737 CB INY
.,C738 84 02 STY #02
.,C73A A0 00 LDY #000
.,C73C D1 5F LDA ($5F),Y
.,C73E 91 59 STA ($59),Y
.,C740 68 INY
.,C741 D0 04 DNE #0747
.,C743 E4 60 INC #60
.,C745 E3 59 INC #59
.,C747 CA DEX
.,C748 D0 04 BNE #C74E
.,C74A E6 02 DEC #02
.,C74C F0 02 BEQ #C750
.,C74E D0 ED BNE #C73C
.,C750 98 TYA
.,C751 18 CLC
.,C752 65 58 ADD #58
.,C754 85 2D STA #2D
.,C756 A5 59 LDA #59
.,C758 89 00 ADC #00
.,C75A 85 2E STA #2E
.,C75C 20 33 A5 JSR #A533
.,C75F 20 59 A6 JSR #A659
.,C762 4C 86 E3 JMP #E386
.,C765 20 13 A6 JSR #A613
.,C768 D0 03 BCS #C76D
.,C76A 4C A3 C6 JMP #C6A3
.,C76D A7 80 LDA #80
.,C76F 8D 02 03 STA #0302
.,C772 A9 C7 LDA #C7
.,C774 8D 03 03 STA #0303
.,C777 A9 00 LDA #00
.,C779 8D 00 02 STA #0200
.,C77C 38 SEC
.,C77D 4C A7 A4 JMP #A4A7
.,C780 A9 83 LDA #83
.,C782 8D 02 03 STA #0302
.,C785 A9 A4 LDA #A4
.,C787 8D 03 03 STA #0303
.,C78A 4C 86 E3 JMP #E386
.,C78D A0 00 LDY #00
.,C78F 70 TYA
.,C790 91 5F STA ($5F),Y
.,C792 CB INY
.,C793 91 5F STA ($5F),Y
.,C795 A3 5F LDA #5F
.,C797 18 CLC
.,C799 69 02 ADC #02
.,C79A 85 2D STA #2D
.,C79C 65 60 LDA #60
.,C79E 69 00 ADC #00
.,C7A0 85 2E STA #2E
.,C7A2 20 59 A6 JSR #A659
.,C7A5 4C 86 E3 JMP #E386
.,C7A8 A7 00 LDA #00
.,C7AA 85 60 STA #60
.,C7AC A5 2D LDA #2D
.,C7AE A6 2E LDX #2E
.,C7B0 A0 01 LDY #01
.,C7B2 85 FE STA #FE
.,C7B4 86 FF STX #FF

```

```

.,C7B6 B1 FE LDA ($FE),Y
.,C7B8 F0 2F BEQ #C7E9
.,C7BA CB INY
.,C7BB CB INY
.,C7BC A5 15 LDA #15
.,C7BE D1 FE CMP ($FE),Y
.,C7C0 90 27 BCC #C7E9
.,C7C2 F0 03 BEQ #C7C7
.,C7C4 8B DEY
.,C7C5 D0 09 BNE #C7D0
.,C7C7 A5 14 LDA #14
.,C7C9 8B DEY
.,C7CA D1 FE CMP ($FE),Y
.,C7CC 90 1B BCC #C7E9
.,C7CE F0 11 BEQ #C7E1
.,C7D0 A5 FE LDA #FE
.,C7D2 85 5F STA #5F
.,C7D4 A5 FF LDA #FF
.,C7D6 E3 60 STA #60
.,C7D8 CB DEY
.,C7D9 B1 FE LDA ($FE),Y
.,C7DB AA TAX
.,C7DC 8B DEY
.,C7DD B1 FE LDA ($FE),Y
.,C7DF B0 CF BCS #C7B0
.,C7E1 A5 FE LDA #FE
.,C7E3 85 5F STA #5F
.,C7E5 A5 FF LDA #FF
.,C7E7 85 60 STA #60
.,C7E9 60 RTS
.,C7EA 20 E5 C0 JSR #C0E5
.,C7ED A9 52 LDA #52
.,C7EF 20 DB C0 JSR #C0DB
.,C7F2 A9 47 LDA #47
.,C7F4 20 DB C0 JSR #C0DB
.,C7F7 A9 45 LDA #45
.,C7F9 20 DB C0 JSR #C0DB
.,C7FC 20 73 00 JSR #0073
.,C800 A9 00 LDA #00
.,C801 85 0A STA #0A
.,C803 20 D4 E1 JSR #E1D4
.,C806 A5 2D LDA #2D
.,C808 A4 2E LDY #2E
.,C80A 38 SEC
.,C80B E9 02 SBC #02
.,C80D D0 01 BCS #C810
.,C80F 8B DEY
.,C810 AA TAX
.,C811 A5 0A LDA #0A
.,C813 4D 76 E1 JMP #E176
.,C816 20 E5 C0 JSR #C0E5
.,C819 A9 4C LDA #4C
.,C81B 20 DB C0 JSR #C0DB
.,C81E A9 50 LDA #50
.,C820 20 DB C0 JSR #C0DB
.,C823 6D 15 D0 LDA #D015
.,C826 4B PHA
.,C827 A9 00 LDA #00
.,C829 8D 15 D0 STA #D015
.,C82C 20 45 C0 JSR #C045
.,C82F A9 00 LDA #00

```

MAGIC BASIC

```

,CB31 85 C6 STA #C6
,CB33 A5 C6 LDA #C6
,CB35 F0 FC BEQ #CB33
,CB37 20 45 CB JSR #CB45
,CB3A A9 00 LDA #00
,CB3C 85 C6 STA #C6
,CB3E 68 PLA
,CB3F 8D 15 D0 STA #D015
,CB42 4C B6 E3 JMP #E3B6
,CB45 A0 00 LDY #00
,CB47 BE 00 04 LDX #0400,Y
,CB4A B9 AF CB LDA #CB4F,Y
,CB4D 99 00 04 STA #0400,Y
,CB50 BA TXA
,CB51 99 AF CB STA #CB4F,Y
,CB54 BE 00 05 LDX #0500,Y
,CB57 B9 AF CB LDA #CB4F,Y
,CB5A 99 00 05 STA #0500,Y
,CB5D BA TXA
,CB5E 99 AF CB STA #CB4F,Y
,CB61 BE 00 06 LDX #0600,Y
,CB64 B9 AF CB LDA #CB4F,Y
,CB67 99 00 06 STA #0600,Y
,CB6A BA TXA
,CB6B 99 AF CB STA #CB4F,Y
,CB6E BE 00 07 LDX #0700,Y
,CB71 B9 AF CB LDA #CB4F,Y
,CB74 99 00 07 STA #0700,Y
,CB77 BA TXA
,CB78 99 AF CB STA #CB4F,Y
,CB7D CB INY
,CB7E D0 C9 BNE #CB47
,CB7F 60 RTS
,CB81 20 DB C0 JSR #C0DB
,CB84 A9 E4 LDA #E4
,CB86 B0 0B 03 STA #030B
,CB89 A9 A7 LDA #A7
,CB8B B0 09 03 STA #0309
,CB8E A9 4B LDA #4B
,CB90 3D 9F 02 STA #029F
,CB93 A9 EB LDA #EB
,CB95 3D 90 02 STA #0290
,CB98 A9 9B LDA #9B
,CB9A CD 00 03 STA #0300
,CB9D A9 E3 LDA #E3
,CB9F 3D 01 03 STA #0301
,CBA2 A9 C6 LDA #C6
,CBA4 3D 0A 03 STA #030A
,CBA7 A9 AE LDA #AE
,CBA9 3D 0B 03 STA #030B
,CBAC 4C B6 E3 JMP #E3B6
,CBAF 20 20 20 JSR #2020
,CBB2 20 20 20 JSR #2020
,CBB5 20 20 20 JSR #2020
,CBB8 20 20 20 JSR #2020
,CBBB 20 20 20 JSR #2020
,CBBE 20 20 20 JSR #2020

```

```

,CB40 IC 64 ***M SX41/DB+//BXLN+ #SI
,CB60 3F LBLIT #SI VCLN D3 I CTEL I B7
,CB80 0LE7 VCL77 SCL77 FCL77 TTEL7
,CBA0 I WCE37 A DL 77 RCL77 LCL77 OTC
,CBC0 LI #KTELX #MTEL #HTCLV LH #B #S
,CBE0 #BTE #ELX #S ETELX VIT #SI B0-F
,C100 RTAITH S DnA W Um #HTH V
,C120 #Fm Fm # Fm FmTH Fm #Fm Fm
,C140 7 15 30 54A0F #Fm Fm05 #m Fm02
,C160 #m Fm V1 #m #SL61K # #B0X #E
,C180 #Fm #0B0J #H B Dn Fm Um #m Fm
,C1A0 #m Fm H D Dn #S Um # #S #m Fm #m Fm
,C1C0 F1 Lm J #m L614 #S #m #m De #S #S
,C1E0 F1L614 #m #m F1 Ue #m F1L61 B #F1
,C200 #EAP # #S #6 B, #T #S, #U #A #0 #0
,C220 D,X #F DY SLEA #HTA FOLD #LX #L614
,C240 D #H L # #S #m TX #L614 D #S #m I C
,C260 TELH0U #S De #B0N #R #TQ # U #H
,C280 C 36 #AIT#S, #U#A #L614 #S # U #E 6
,C2A0 6 #AIT#B, #U#C #L614 V # U #m #6 #6SD
,C2C0 #L614 D # U #m #6 D0TX #H Ue #m #6 D0T
,C2E0 K #B #J #J #B #S #L614 #S #FCLJ #R0C
,C300 LIT U #m #6 D0T #H Ue #m #6 D0TQ #B #J
,C320 J J #B #S #L614 #H #N # #S #6 B6
,C340 #S #H #H #H #B #H #H #H #H #H #H #H #H
,C360 #S #H #H #H #H #H #H #H #H #H #H #H #H
,C380 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C3A0 C #H #H #H #H #H #H #H #H #H #H #H #H #H
,C3C0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C3E0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C400 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C420 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C440 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C460 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C480 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C4A0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C4C0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C4E0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C500 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C520 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C540 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C560 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C580 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C5A0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C5C0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C5E0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C600 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C620 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C640 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C660 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C680 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C6A0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C6C0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C6E0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C700 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C720 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C740 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C760 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C780 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C7A0 #H #H #H #H #H #H #H #H #H #H #H #H #H
,C7C0 #H #H #H #H #H #H #H #H #H #H #H #H #H

```

300 #H #H #H #H #H #H #H #H #H #H #H #H #H
 320 L #SD #H #ACX #2 #H #H #H #H #H #H #H #H #H #H #H #H #H
 9

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

10