

LogiTrumps

A card game for the Commodore C64.

DESCRIPTION



LogiTrumps is a trump card game with retro computers. It's like we used to play it in the 80ies. Each player (you and the computer) gets the same number of cards. Each card represents a retro computer and has several values like year, memory and colours. Each card has its strengths and weaknesses. If a computer has a lot of memory or colours, he usually is not that old and therefor would likely loose in the year category. Usually the higher value wins. The year category is the only category where the lower value wins. The player who gets all cards first wins the game.

HOW TO PLAY

At the beginning of the game the cards are shuffled. You and the computer get the same number of cards. You can choose a category by typing the corresponding number. The program will calculate whether you won, lose or make a draw against the computer's card. If you win, you get the computer's card. If you lose the computer gets your card. If it's a draw you keep your cards and just continue with the next card. If it's the computer's turn you can just watch what the computer chooses and what happens.

EMULATOR USAGE

Run the program with vice's x64.exe. (You may use drag and drop.)

VARIABLES AND DATA STRUCTURES

Variable	Usage
u	Users turn (1) or computer (0)
p[]	Person's array for position of cards
c[]	Computer's array for position of cards
r	Number of cards of person
e	Number of cards of computer
t\$[]	Name of cards
a(card, factor)	Factors of the cards
p	Current position/card of person
c	Current position/card of computer
n	Round
b	Selected factor
z	Factor to print

CODE

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10dAZX80,-1980,1,2,Amiga500,-1987,512,4096,CPC464,-1984,64,27,Atari400,-1979,8
20dA128,TI99/4a,-1981,16,16,VC20,-1980,5,16,C-64,-1982,64,16,C=128,-1985,128,16
30?"{clear}{white}{reverse on}logi{reverse off}trumps{down}":p=0:c=0:u=1:r=4:e=4:foi=0to7:rEt$(i
):fof=0to2:rEa(i,f):nE
40z=-(rN(0)*(c<4)>rN(0)*(p<4)):p=p+z:c=c+1-z:p(i)=p*z:c(i)=c*(1-z):nE:p053281,11
50n=n+1:p=0:c=0:foi=0to7:c=c-(c(i)=n)*i:p=p-(p(i)=n)*i:nE:b=-(a(c,2)>16)*2
60?r":e:?"{yellow}"t$(p)"{return} 1)"a(p,0)*-1"{return} 2)"a(p,1)"kb{return} 3)"a(p,2)"col{white
e}":ifutHinputb:b=b-1
70?"{pink}"t$(c)a(c,0)*-1a(c,1)"kb"a(c,2)"col{white} "b+1"{down}":s$(0)="lost":s$(8)="won"
80p(p)=n+r:c(c)=n+e:ifa(p,b)>a(c,b)tH?"{reverse on}:-){reverse off}":p(c)=n+r+1:c(c)=0:r=r+1:e=e-1:u=1
90ifa(p,b)<a(c,b)tH?"{reverse on}:-){reverse off}":c(p)=n+e+1:p(p)=0:r=r-1:e=e+1:u=0:wait198,1:p0198,0
100on-((r>0)aN(e>0))g050:?r":e:?"game over":?"you ";s$(r):input:run

```

CODE DESCRIPTION

10-20 Cards data

30 Set up the screen. Initialize variables. Read the cards into variables.

40 Shuffle the cards. Set background color.

50 Set/advance current card. Get the currently playing card's positions. Calculate the selected category (for the computer player).

60 Print the user's card. Ask the user if it's his turn for the category.

70 Print computers card. Some variables hat to be put here.

80 Check if turn won and adapt cards and cards count.

90 Check if turn lost and adapt cards and cards count. Wait for a key.

100 If not over, continue in 50. Otherwise: Print stats and game over. Wait for a key. Re-run.

LINE LENGTHS

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78 10dAZX80,-19
79 20dA128,TI99
78 30?"{clear}{
80 40z=-(rN(0)*
74 50n=n+1:p=0:
80 60?r":e:?"{
74 70?"{pink}"t
79 80p(p)=n+r:c
79 90ifa(p,b)<a
68 100on-((r>0)

```