

LogiTrumps

A card game for the Commodore C128.

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 therefore 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 amount of cards. You can chose a category by typing the coresponding number. The program will calculate weather you won, lose or make a draw against the computers card. If you win, you get the computers 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 computers turn you can just watch what the computer choses and what happens.

EMULATOR USAGE

Run the program with vice's x128.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
p\$	Dummy string to wait only

CODE

```

1dataZX80,-1980,1,2,Amiga500,-1987,512,4096,CPC464,-1984,64,27,Atari400,-1979,8
2data128,TI99/4a,-1981,16,16,VC20,-1980,5,16,C-64,-1982,64,16,C=128,-1985,128,16
3print"{clear}{white}{reverse on}logi{reverse off}trumps{down}":p=0:c=0:u=1:r=4:e=4:fori=0to7:re
ad t$(i):forf=0to2:reada(i,f):next
4z=- (rnd(0)*(c<4)>rnd(0)*(p<4)):p=p+z:c=c+1-z:p(i)=p*z:c(i)=c*(1-z):next:poke53281,11
5n=n+1:p=0:c=0:fori=0to7:c=c-(c(i)=n)*i:p=p-(p(i)=n)*i:next:b=- (a(c,2)>16)*2
6printr":e:print"{yellow}t$(p) "{return} 1)"a(p,0)*-1 "{return} 2)"a(p,1) "kb{return}
3)"a(p,2) "col{white}":ifutheninputb:b=b-1
7print"{pink}t$(c)a(c,0)*-1a(c,1) "kb"a(c,2) "col{white} "b+1 "{down}"
8p(p)=n+r:c(c)=n+e:ifa(p,b)>a(c,b)thenprint"{reverse on}:-) {reverse off}":p(c)=n+r+1:c(c)=0:r=r+
1:e=e-1:u=1
9ifa(p,b)<a(c,b)thenprint"{reverse on}:-( {reverse off}":c(p)=n+e+1:p(p)=0:r=r-1:e=e+1:u=0:getkey
p$
10on- ((r>0)and(e>0))goto5:printr":e:print"game over":getkeyp$:run

```

CODE DESCRIPTION

1-2 Cards data.

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

4 Shuffle the cards. Set background color.

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

6 Print current score. Print the user's card. Ask the user if it's his turn for the category.

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

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

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

10 If not over, continue in 5. Otherwise: Print score and game over. Re-Run.

LINE LENGTHS

All lines have a shortened length of up to 80 characters.