LogiTrumps

A card game written in VBScript for Windows computers.

# 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 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.

# Usage

Just double click the file on a Windows operating system.

# 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

Randomize:Dim a,t,pp(8),cc(8):t=Array("zx80","a500","cpc464","atari400","c64","c128","c16","a]["): a=Array(Array(‑1980,1,2),Array(‑1987,512,4096),Array(‑1984,64,27),Array(‑1979,8,128),Array(-1982,64,16),Array(-1985,128,\_

16),Array(‑1984,16,121),Array(‑1977,4,15)): u=1: r=4: e=4: For c=0 To 7: p=Int(Rnd \* 8): While (pp(p) + cc(p)) > 0: p=(p + 1) Mod 8: Wend: pp(p)=(c + 1) \* ‑(c < 4): cc(p)=(c - 3) \* -(c > 3): Next

while(1): n=n + 1: i=0: While pp(i) <> n: i=i + 1: Wend: p=i: i=0: While cc(i) <> n: i=i + 1: Wend: c=i:

b=‑1: while b<0 Or b>2:b=‑Int(a(c)(2)>16)\*2:If u Then b=InputBox(t(p) &vbCrLf&vbCrLf& "1: " & ‑a(p)(0) & vbCrLf & "2: " & a(p)(1) & " kb" & vbCrLf & "3: " & a(p)(2) & " cols","LogiTrumps (" & r & ":" & e & ")"):if not isnumeric(b) then b=0:end if:b=Int(b)-1

Wend : If b <> Int(b) Then WScript.Quit

msg=t(p) & ": " & vbTab & ‑a(p)(0) & " " & a(p)(1) & " kb " & a(p)(2) & " cols" & vbCrLf & "vs" & vbCrLf & t(c) & ": " & vbTab & ‑a(c)(0) & " " & a(c)(1) & " kb " & a(c)(2) & " cols" & vbCrLf & vbCrLf & "[" & b + 1 & "]" & vbTab & Abs(a(p)(b)) & \_

" vs " &Abs(a(c)(b))&vbCrLf&vbCrLf: pp(p)=n + r: cc(c)=n + e: If a(p)(b) > a(c)(b) Then pp(c)=n + r + 1: cc(c)=0: r=r + 1: e=e - 1: u=1: MsgBox msg & ":‑)",vbInformation,"Turn: Won (" & r & ":" & e & ")"

If a(p)(b) < a(c)(b) Then cc(p)=n + e + 1: pp(p)=0: r=r - 1: e=e + 1: u=0: MsgBox msg & ":-(",vbCritical,"Turn: Lost (" & r & ":" & e & ")"

If e=0 Then MsgBox "YOU WON!",vbInformation,"GAME OVER":WScript.Quit: Else If r=0 Then MsgBox "YOU LOST!",vbCritical,"GAME OVER":WScript.Quit: End if:

Wend

# Code description

Line 1: Radomize randomizer. Create the array with the cards.  
Line 2: More cards data. Initialize values. Shuffle cards.  
Line 3: Get cards for next turn.  
Line 4: Get factor from computer or player, depending who’s turn it is.  
Line 5: Create message (string) with both cards  
Line 6: Calculate result of current turn. If won turn, show message with result including score.  
Line 7: If lost turn, show message with result including score.  
Line 8: Check if game is over and show the message  
Line 9: Continue game.

# Line lengths

Size doesn’t matter :-D

Well, all lines are under 256 characters.

# Further Information

This program is part of a bigger project and available for different platforms. For more information check <https://logiker.com/LogiTrumps>.