

VIETNAMBAN JÁRTUNK

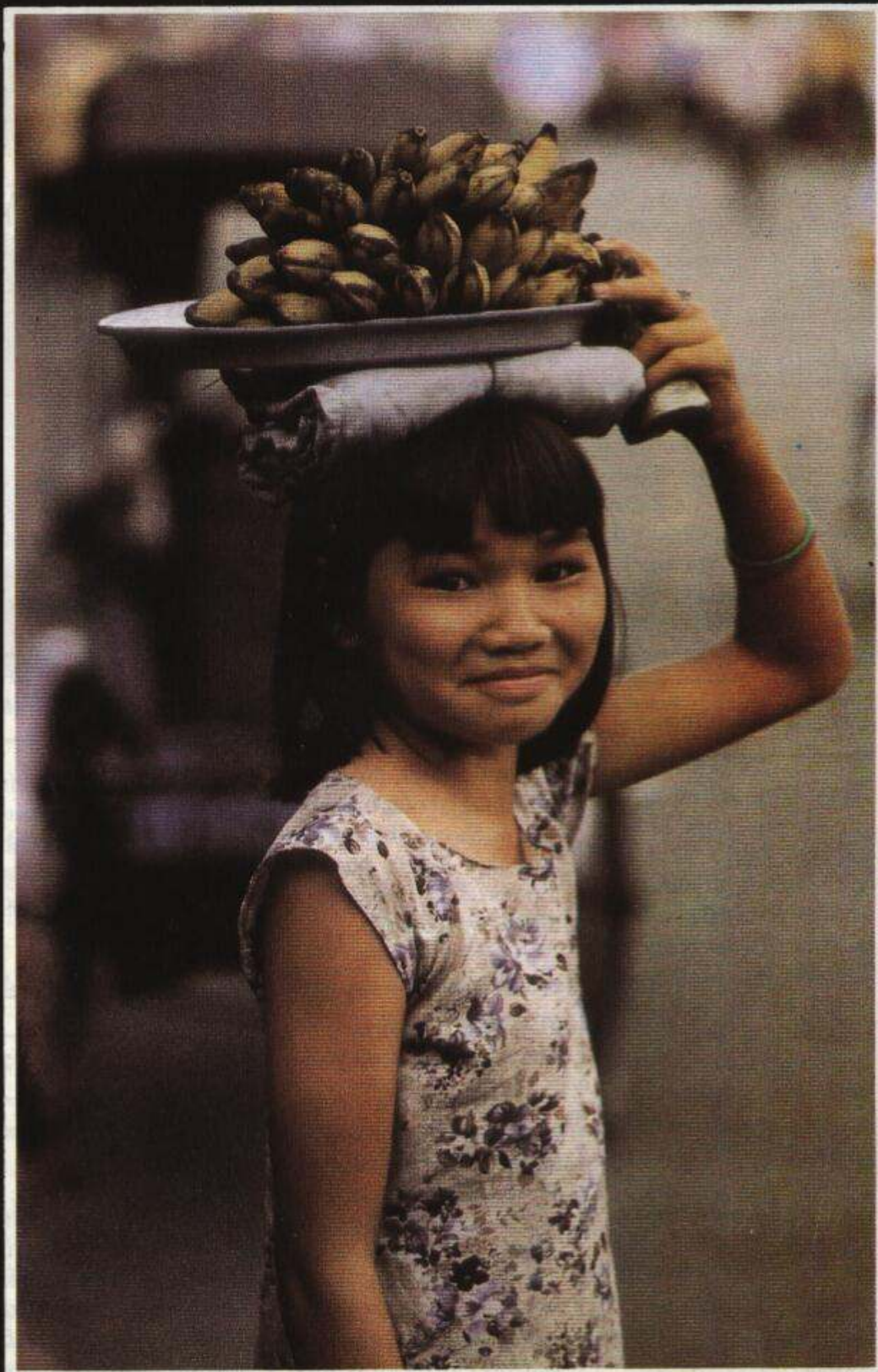
HÁZIÁLLAT POCSOLYÁBAN

MINDENNAPI KENYERÜK: A RIZS

OLVADÁS UTÁN



TERMÉSZETTUDOMÁNYRÓL FIATALOKNAK 1989. V. ÉVFOLYAM



4-5

ÁPRILIS  
MÁJUS

ÁRA: 40,-- Ft

## SZÍN-JÁTÉK

A következő játéknak a ENTERPRISE tulajdonosok örülhetnek. A feladat az, hogy a gép által játszott hangokat hibátlanul játszd vissza. A zongorabillentyűket a felső sorban lévő kék funkciógombok képviselik. Könnyítésül a hangok a színskálán is megjelennek. Indításkor ki kell választani, hány féle hangból sorsoljon a gép. Az egyes játékok végén beírhatod a neved a Nagy Könyvbe.

Jó szórakozást!

FISCHER PÉTER

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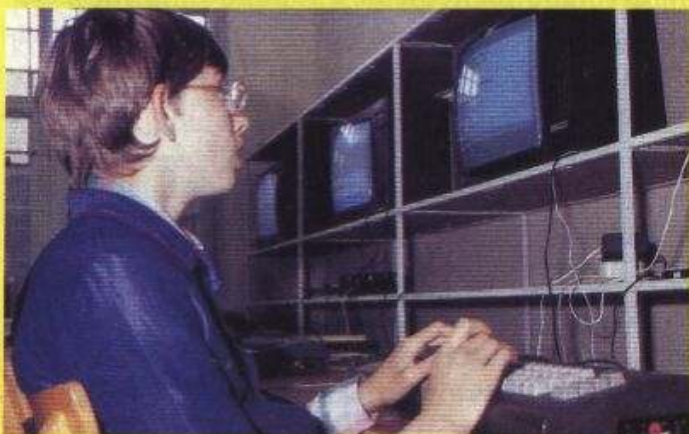
100 PROGRAM "szin-hang"
110 WHEN EXCEPTION USE TOVABB
120 SET INTERRUPT STOP OFF
130 SET STATUS OFF
140 ALLOCATE 6
150 CODE KESIK:HEX$("2b,7c,b5,20,
fb,c9")
160 RANDOMIZE
170 LET T:20
180 LET TIMEOUT:1
190 LET TEVESZT:2
200 ENVELOPE NUMBER 10:0,63,63,1;
0,63,63,100:0,63,63,50
210 ENVELOPE NUMBER 11:0,63,63,1;
-30,63,63,150
215 ENVELOPE NUMBER 12:0,63,63,1;
30,63,63,150
220 NUMERIC A(8),C(8),M,E(8),F(13
),P1(8),P2(8),HIBA,XX(7),YY(7),ZZ(7)
230 STRING NEV1$(8)*10
240 FOR N:1 TO 8
250 READ A(N)
260 NEXT
270 FOR N:1 TO 8
280 READ E(N)
290 SET FKEY N ""
300 NEXT
310 FOR N:1 TO 8
320 READ C(N)
330 NEXT
340 RESTORE 1510
350 FOR N:1 TO 7
360 LET P1(N):=0:LET P2(N):=0:LET
NEV1$(N):=""
370 READ XX(N),YY(N),ZZ(N)

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380 NEXT
390 SET CHARACTER 64,12,0,60,6,62
,102,62,0,0
400 SET CHARACTER 91,102,0,102,10
2,102,102,60,0,0
410 SET CHARACTER 93,12,0,60,102,
126,96,60,0,0
420 SET CHARACTER 94,102,0,60,102
,102,102,60,0,0
430 CALL SZINEZ
440 CALL INIT
450 SET PALETTE A(1),A(2),A(3),A(
4),A(5),A(6),A(7),A(8)
460 LET NN:1:LET P1(8):=0:LET P2(8
):=0:LET TO:=0
470 LET T:=20
480 RESTORE 1560
490 READ CEL,VARO,TAJEK$
500 SET COLOUR NN-1,A(NN)
510 PRINT
520 PRINT TAJEK$
530 WAIT 3
540 CLEAR TEXT
550 CALL FORESZ
560 IF HIBA:0 THEN GOTO 490
565 SET COLOUR NN-1,A(NN)
570 CALL SCORE
580 GOTO 430
590 ENI WHEN
600 DEF INIT
610 SET PALETTE 0,0,0,0,0,0,0,0
620 CLEAR GRAPHICS
630 FOR N:=0 TO M-1
640 SET INK N
650 PLOT N*1280/M,0:(N+1)*1280/
M-1,0:(N+1)*1280/M-1,719:N*1280/M,719
;N*1280/M,0
660 PLOT N*1280/M*100,100,
670 PLOT PAINT
680 NEXT
690 END DEF
700 DEF SZINEZ
710 WHEN EXCEPTION USE KAR
720 GRAPHICS LORES 16
730 CLEAR TEXT
740 PRINT "Hány szinnel ohajt j
@szani? (2-8) "
750 SET INTERRUPT KEY ON
760 WAIT 5
770 CALL DEMO
780 SET INTERRUPT KEY OFF
790 GOTO 720
800 END WHEN
810 END DEF
820 DEF ATRAK(REF A,REF C)
830 SET COLOUR N-1,C(N)
840 SOUND PITCH 127,DURATION 1,IN
TERRUPT
850 SOUND PITCH E(N),DURATION T,E
NVELOPE 10,INTERRUPT
860 CALL USR(KESIK,T*2577-37545)
870 SET COLOUR N-1,A(N)
880 END DEF
890 HANDLER FUNCTION
900 ASK INTERRUPT CODE N
910 IF N<16 OR N>M+15 THEN
920 RETRY
930 END IF
940 LET ERROR:=1
950 LET N:=N-15:LET P2(8):=P2(8)+TO
960 END HANDLER
970 DEF DEMO
980 WHEN EXCEPTION USE DEMOEND
990 CLEAR TEXT
1000 PRINT
1010 PRINT "***DEMO*DEMO*DEMO*DEM
O*DEMO*DEMO*DEMO**"
1020 LET M:=8
1030 CALL INIT
1040 SET PALETTE A(1),A(2),A(3),
A(4),A(5),A(6),A(7),A(8)
1050 RESTORE 1500
1060 READ N,T
1070 IF N:=0 THEN 1100
1080 CALL ATRAK(A,C)

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1090 GOTO 1060
1100 CLEAR TEXT
1110 CALL SCOREKI
1120 WAIT 5
1130 CLEAR SCREEN
1140 GOTO 1010
1150 END WHEN
1160 END DEF
1170 HANDLER DEMOEND
1180 SET COLOUR N-1, A(N)
1190 END HANDLER
1200 HANDLER KAR

1210 ASK INTERRUPT CODE M
1220 IF M<>33 THEN
1230 RETRY
1240 END IF
1250 LET M=VAL(INKEY$)
1260 IF M<2 OR M>8 THEN
1270 RETRY
1280 END IF
1290 CLEAR TEXT
1300 SET INTERRUPT KEY OFF
1310 END HANDLER
1320 DEF JATEK
1330 WAIT 2
1340 FOR X=1 TO Y
1350 LET N=F(X)
1360 CALL ATRAK(A, C)
1370 NEXT X
1380 END DEF
1460 DATA 8, 56, 16, 4, 9, 11, 5, 13
1470 DATA 32, 34, 36, 37, 39, 41, 43, 44
1480 DATA 49, 255, 18, 244, 249, 251, 47, 15
1490 DATA 1, 20, 3, 20, 1, 20, 3, 20, 5, 40, 5
, 40, 1, 20, 3, 20, 1, 20, 3, 20, 5, 40, 5, 40, 8, 2
0, 7, 20, 6, 20, 5, 20, 4, 40, 6, 40, 5, 20, 4, 20,
3, 20, 2, 20, 1, 40, 1, 40, 0, 0
1500 DATA 1, 20, 2, 20, 3, 40, 4, 40, 4, 20, 4
, 20, 4, 20, 3, 20, 2, 40, 3, 40, 3, 20, 3, 20, 3, 2
0, 2, 20, 1, 40, 2, 40, 2, 20, 2, 20, 2, 20, 3, 20,
2, 40, 1, 40, 1, 20, 1, 20, 0, 0
1510 ! adatok a score listához
1520 DATA 1, 11, 23, 2, 1, 13, 2, 21, 33, 3, 1
, 13, 3, 21, 33, 4, 1, 13, 4, 21, 33
1530 HANDLER TOVABB
1540 CONTINUE
1550 END HANDLER
1560 ! adatok a jatekhoz
1570 DATA 6, 2000, "El'sz'r 6 hang j'n"
1580 DATA 6, 1000, "Most is, de kevese
bb az id" !"
1590 DATA 13, 2000, "Most 13 hang j'n"
1600 DATA 13, 1000, "Most is, de keves
ebb az id" !"
1610 DATA 13, 750, "Most m'g gyorsabbn
ak kell lenni !"
1620 DEF FORESZ
1630 WHEN EXCEPTION USE TOVABB
1640 FOR X=1 TO CEL
1650 LET F(X)=RND(M)+1
1660 NEXT X
1670 FOR Y=1 TO CEL
1680 SET COLOUR NN-1, A(NN)
1690 CALL JATEK
1700 LET X=1
1710 WHEN EXCEPTION USE FUNCTI
ON
1720 LET ERROR=0
1730 SET COLOUR NN-1, A(NN)
1740 FOR TO=0 TO VARO
1750 NEXT
1760 END WHEN
1770 LET HIBA=0:LET TO=0
1780 IF ERROR=0 THEN LET HIBA=
TIMEOUT
1790 SOUND PITCH 127, DURATION
1, INTERRUPT
1800 IF HIBA>0 THEN EXIT FOR

1810 IF N<>F(X) THEN
1820 LET HIBA=TEVESZT
1830 ELSE
1840 LET P1(8)=P1(8)+1
1850 END IF
1860 LET NN=N

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1870 SET COLOUR N-1, C(N)
1880 SOUND PITCH E(N), DURATION
T, ENVELOPE 10, INTERRUPT
1890 IF HIBA>0 THEN EXIT FOR
1900 LET X=X+1
1910 IF X<Y+1 THEN GOTO 1710
1920 NEXT Y
1930 IF HIBA>0 THEN
1931 SOUND PITCH E(N), ENVELOPE
11, DURATION 150
1935 ELSE
1936 SOUND PITCH E(N), ENVELOPE
12, DURATION 150
1937 END IF
1940 END WHEN
1950 END DEF
1960 DEF KARIN(REF X, REF Y, HOSSZ, REF
ADAT$)
1970 PRINT AT X, Y;;
1980 FOR N=1 TO HOSSZ
1990 PRINT ". ";
2000 NEXT
2010 PRINT AT X, Y;;
2020 LET Z=1:LET ADAT$=""
2030 GET S$
2040 IF S$="" THEN GOTO 2030
2050 LET S$=UCASE$(S$)
2060 SELECT CASE S$
2070 CASE " ", "-", "0" TO "9", "A" T
O "Z"
2080 IF Z>HOSSZ THEN GOTO 2150
2090 LET ADAT$=ADAT$&S$(1):LET Z
=Z+1
2100 PRINT S$(1);
2110 CASE CHR$(184)
2120 IF Z=1 THEN GOTO 2150
2130 PRINT CHR$(184); ". ";CHR$(18
4);:LET Z=Z+1:LET ADAT$=ADAT$(1:Z-1)
2140 CASE ELSE
2150 END SELECT
2160 IF S$(1)<>CHR$(13) THEN GOTO
2030
2170 DO WHILE Z<=HOSSZ
2180 PRINT ". ";
2190 LET Z=Z+1
2200 LOOP
2210 END DEF
2220 DEF SCORE
2230 PRINT AT 2, 1:"Sajnálom, nem s
iker'lt !"
2240 PRINT AT 4, 1:"Az el'rt pontsz
em: ";P1(8);
2250 WAIT 2
2260 IF P1(8)<P1(7) OR (P1(8)-P1(7)
AND P2(8)>P2(7)) OR P1(8)=0 THEN GOTO
2420
2270 LET X=8
2280 !
2290 LET P11=P1(X-1):LET P12=P2(X-
1):LET P13$=NEV1$(X-1)
2300 LET P1(X-1)=P1(X):LET P2(X-1)
=P2(X):LET NEV1$(X-1)=""
2310 LET P1(X)=P11:LET P2(X)=P12:L
ET NEV1$(X)=P13$
2320 LET X=X-1
2330 IF X=1 THEN GOTO 2350
2340 IF P1(X-1)<P1(X) OR (P1(X-1)=P
1(X) AND P2(X-1)>P2(X)) THEN GOTO 2290
2350 CLEAR TEXT
2360 LET NEV1$(X)=""
2370 CALL SCOREKI
2380 LET F1=XX(X):LET F2=YY(X):LET
F$=NEV1$(X)
2390 CALL KARIN(F1, F2, 10, F$)
2400 LET NEV1$(X)=F$
2410 WAIT 5
2420 CLEAR TEXT
2430 END DEF
2440 DEF SCOREKI
2450 FOR N=1 TO 7
2460 PRINT AT XX(N), YY(N):NEV1$(
N);
2470 PRINT AT XX(N), ZZ(N):P1(N);
2480 NEXT
2490 END DEF

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