

Evolution 1

This is series of six programs which have been divided into three self contained groups. It represents the evolution of life from the single celled amoeba to modern man, linked by a single theme - survival!

Evolution 1 begins with the amoeba stage, in which the player controls the movement of a tiny amoeba which must wander round the screen eating spores whilst avoiding attack from other single celled creatures.

In the second program in this suite the player is transformed into a frog which has to dodge from side to side avoiding capture by birds whilst zapping the required number of airborne flies within its tongue. There is no fairy princess as a reward for this one but instant promotion into the form of a beaver in the third program, in which you must swim around and capture ten fish whilst avoiding contact with a vicious crab.

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1 REM *** BBC VERSION ***
2 REM *** EVOLUTION 1 ***
10 *FX4 1
20 *FX11
30 MODE7:PRINT'CHR$141;CHR$&84;CHR$157;CHR
$&83"          Evolution.          "CHR$1
56'CHR$141;CHR$&84;CHR$157;CHR$&83"
Evolution.          "CHR$156
40 PRINT'''CHR$141;CHR$&82"This Semi-scienc
tific series of"'CHR$141;CHR$&82"This Semi-sc
ientific series of"'CHR$141;CHR$&82"routines
gives you the chance to"'CHR$141;CHR$&82"rout
ines gives you the chance to"
50 PRINTCHR$141;CHR$&82"evolve from an amo
eba to a human,based"CHR$141;CHR$&82"evolve f
rom an amoeba to a human,based"CHR$141;CHR$&8
2"on the theory that only the strongest"'CHR$
141;CHR$&82"on the theory that only the stron
gest"
60 PRINTCHR$141;CHR$&82"survive."'CHR$141;
CHR$&82"survive."
70 PRINTTAB(0,20)CHR$&84;CHR$157;CHR$&87"
Press Space to continue.          "CHR$156

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80 REPEATUNTILGET=32:MODE7:PRINT'CHR$141;C
HR$&84;CHR$157;CHR$&83" Evolution 1.
    "CHR$156'CHR$141;CHR$&84;CHR$157;
CHR$&83" Evolution 1. "CH
R$156
90 PRINT''CHR$&86"This program progresses
from amoeba to"'CHR$&86"frog to beaver."''CHR
$&86"The next program progresses from"'CHR$&8
6"gorilla to caveman"''CHR$&86"The final prog
ram of this trio involves"CHR$&86"the final s
tage of evolution -"
100 PRINTCHR$&86"MAN and his technology"''
CHR$&83"The intention is that you should try"
'CHR$&83"the stages in the correct order but"
'CHR$&83"after each stage you are given a men
u"'CHR$&83"of options."
110 PRINTTAB(0,22)CHR$&84;CHR$157;CHR$&87"
Press Space to continue. "CHR$156:RE
PEAT:UNTILGET=32
120 A=0:RESTORE:FORI=224 TO 227:VDU23,I:FOR
F=0TO7:READG:VDUG:NEXT,
130 DATA120,132,180,178,129,153,85,51,0,2
4,36,90,90,36,24,0,0,73,42,28,127,28,42,73,0,
60,66,145,133,145,66,60
140 MODE4:PRINT''''The first stage is as
an amoeba ( "CHR$224" ).''''You have to eat
5 spores ( "CHR$227" ) while''''avoiding "CHR
$225" and "CHR$226"."
150 PRINT''''This is also a battle agains
t time,for''''when the clock at the top of th
e screen''''reaches zero,you will have starve
d,''''because you did not eat the spores in''
''time."
160 PRINT''''Move about in the water usin
g the cursor''''keys."
170 COLOUR0:COLOUR129:PRINTTAB(0,30)"Pres
s Space to start stage 1.":REPEATUNTILGET=32
180 MODE5:VDU19;4;0;
190 AY=15:AX=14:DIMY(6),X(6):A$=CHR$225+C
HR$225+CHR$226+CHR$226+CHR$227+CHR$227
200 T=250:SC=0
210 FORF=1TO6:Y(F)=RND(30):X(F)=RND(20)-1
:COLOUR((F-1) DIV2)+1:PRINTTAB(X(F),Y(F))MID$
(A$,F,1):NEXTF
220 COLOUR3:PRINTTAB(AX,AY)CHR$224
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230     FORF=1TO5STEP2:FORI=F TOF+1
240     PRINTTAB(X(I),Y(I)) " ":Y(I)=Y(I)+
RND(2)-RND(2):X(I)=X(I)+RND(2)-RND(2)
250     IFF<5 Y(I)=Y(I)-(Y(I)<AY)+(Y(I)>A
Y):X(I)=X(I)-(X(I)<AX)+(X(I)>AX):IFX(I)=AX AN
D Y(I)=AY GOTO420
260     IFY(I)<4 ORY(I)>28 Y(I)=20
270     IFX(I)<0 ORX(I)>19 X(I)=9
280     COLOUR((F-1) DIV2)+1:PRINTTAB(X(I
),Y(I))MID$(A$,I,1)
290     PRINTTAB(AX,AY) " "
300     AY=AY-(INKEY(-42) ANDAY<28)+(INKE
Y(-58) ANDAY>4)
310     AX=AX-(INKEY(-122) ANDAX<19)+(INK
EY(-26) ANDAX>0)
320     T=T-1:PRINTTAB(8,0);T" ":IFT=0 G
OTO360
330     IFFNAT(AX,AY)<>32 GOTO360
340     COLOUR3:PRINTTAB(AX,AY)CHR$224
350     NEXTI,F:GOTO230
360     IFFNAT(AX,AY)<131 GOTO420
370     FORJ=1TO16:SOUND1,-15,J*16-1,1:NEXT
:FORJ=5TO6
380     IFAY=Y(J) AND AX=X(J) WH=J
390     NEXTJ:Y(WH)=RND(30):X(WH)=RND(20)-1
:COLOUR((WH-1) DIV2)+1:PRINTTAB(X(WH),Y(WH))M
ID$(A$,WH,1)
400     SC=SC+1:IFSC<5 GOTO340
410     MODE7:PRINTTAB(0,10)CHR$&85"Well do
ne,you survived the first stage"'CHR$&85"as a
n amoeba.":GOTO920
420     FORF=16TO1STEP-1:SOUND1,-15,F*16-1,
1:NEXT:MODE7:PRINTTAB(0,10)CHR$&81"Bad luck,y
ou failed in the first stage"'CHR$&81"of evol
ution.":GOTO920
430     MODE7:PRINT"'CHR$&85"In this stage
of evoltuion,you have to"'CHR$&85"catch flie
s on your tongue,whilst"'CHR$&85"avoiding the
birds which swoop down"'CHR$&85"to try to ca
pture their prey - YOU"
440     PRINT"'CHR$&82"Use the cursor keys
to move left and"'CHR$&82"right,and press th
e Space bar to stick"'CHR$&82"your tongue out
."'"CHR$&83"You will only survive this stage
if you"CHR$&83"can eat ten flies without fal

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ling prey"
  450      PRINTCHR$&83"to the birds."TAB(0,22
);CHR$136;CHR$&81"      Press Space to start.
":REPEATUNTILGET=32
  460      RESTORE470:FORI=224TO230:VDU23,I:FO
RF=0TO7:READG:VDUG:NEXTF,I
  470      DATA28,34,78,79,56,32,64,48,56,68
,114,242,28,4,2,12,15,48,64,92,88,84,82,249,2
40,12,2,58,26,42,74,159
  480      DATA0,0,0,34,85,63,24,0,0,0,0,63,
127,143,1,15,31,124,240,192,224,255,0,0
  490      X=9:Y(1)=RND(6)+12:X(1)=0:Y(2)=0:
X(2)=18:Y(3)=0:X(3)=18:F=0
  500      MODE5:VDU19,1,2;0;:GCOL0,2:MOVE0,
319:DRAW1279,319:COLOUR1
  510      PRINTTAB(X,19)" "CHR$224;CHR$225"
"TAB(X,20)" "CHR$226;CHR$227" ":COLOUR2:PRIN
TTAB(X(1),Y(1))CHR$228;TAB(X(3),Y(3))" ":COL
OUR3:PRINTTAB(X(2),Y(2))CHR$229;CHR$230:COLOU
R1
  520      Y(3)=Y(2):X(3)=X(2)
  530      IFINKEY(-99)GOSUB610
  540      IFFNAT(X+1,18)=133 GOTO660
  550      IFY(2)=18 PRINTTAB(X(2),Y(2))" "
:Y(2)=0:X(2)=X+9:IFX(2)>18 X(2)=18
  560      IFX(1)>17 PRINTTAB(X(1),Y(1))" ":
X(1)=0:Y(1)=RND(6)+12
  570      PRINTTAB(X(1),Y(1))" "TAB(X(2),Y(
2))" "
  580      Y(2)=Y(2)+1:X(2)=X(2)-(X(2)<X+1)+
(X(2)>X+1):Y(1)=Y(1)+RND(3)-2:X(1)=X(1)+RND(2
):IFY(1)>20 Y(1)=14
  590      X=X+(INKEY(-26) ANDX>0)-(INKEY(-1
22) AND X<17)
  600      GOTO510
  610      GCOL3,3:MOVEX*64+128,387:PLOT1,0,
200
  620      PLOT1,0,-200
  630      IFX(1)=X+2 AND Y(1)>12 F=F+1:PRIN
TTAB(X(1),Y(1))" ":X(1)=0:Y(1)=RND(6)+12:SOUN
D&11,-15,0,2:SOUND1,-15,3,2:SOUND1,-15,7,1
  640      IFF<10 RETURN
  650      MODE7:PRINT''''CHR$&85"Well done
,you consumed ten flies and"''CHR$&85"can now
evolve to the next stage.":GOTO920
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660      MODE7:PRINT''''CHR$&81"Bad luck,
you have been eaten alive and" 'CHR$&81"can ev
olve no further.":FORF=100TO80STEP-1:SOUND1,-
15,F,1:NEXT:GOTO920
670      MODE7:PRINT'''CHR$&86"You have no
w evolved into a beaver." 'CHR$&83"In this st
age you must eat ten fish" 'CHR$&83"and avoid
being eaten by the" 'CHR$&83"patrolling crab"
680      PRINT' 'CHR$&82"Move around using
the cursor keys"
690      PRINTTAB(0,22)CHR$136;CHR$&81"
Press Space to start.":REPEATUNTILGET=32
700      RESTORE710:FORI=224TO230:VDU23,I:
FORF=0TO7:READG:VDUG:NEXTF,I
710      DATA0,0,15,16,224,159,8,12,0,32
,220,10,1,254,16,24,0,4,59,80,128,127,8,24,0,
0,240,8,7,249,16,8
720      DATA0,0,8,61,191,255,255,255,12
,30,186,255,255,190,30,17,195,60,255,126,235,
66,165,165
730      MODE2:COLOUR132:PRINTTAB(0,30)S
TRING$(20,CHR$228);
740      PRINTTAB(0,5)STRING$(250," ")ST
RING$(250," ")
750      Y=29:X=9:Y1=Y:X1=X:F=5:G=0:F1=F
:G1=G:W=0
760      A$=CHR$224+CHR$225:Z=0:COLOUR12
8:PRINTTAB(9,0);Z:COLOUR132
770      IFRND(1)>.95 COLOURRND(4)*2-1:P
RINTTAB(RND(20)-1,RND(24)+5)CHR$229
780      IFFNAT(X,Y)=133 SOUND1,-15,0,3:
Z=Z+1:COLOUR128:PRINTTAB(9,0);Z:COLOUR132:IFZ
=10 FORF=80TO100:SOUND1,-15,F,1:NEXT:GOTO900
790      IFW=8 PRINTTAB(X1-1,Y1)" " ELS
E PRINTTAB(X1,Y1)" "
800      PRINTTAB(G1,F1)" ":COLOUR5:PRIN
TTAB(X,Y)A$:COLOUR3:PRINTTAB(G,F)CHR$230
810      Y1=Y:X1=X:F1=F:G1=G:W=ASC(A$)
820      IFF=Y IFG=X OR G=X+1 FORF=100TO
80STEP-1:SOUND1,-15,F,1:NEXT:GOTO910
830      IFINKEY(-122) A$=CHR$8+CHR$224+
CHR$225:X=X-(X<18)
840      IFINKEY(-26) A$=CHR$226+CHR$227
:X=X+(X>1)
850      Y=Y-(INKEY(-42) ANDY<29)+(INKEY

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(-58) AND Y>5)
860          F=F+RND(3)-2-(F<Y)/2+(F>Y)/2:G=
G+.5
870          IFF<5 F=5 ELSEIFF>29 F=29
880          IFG=19 G=0
890          GOTO770
900          MODE7:PRINT''''CHR$&85"Well do
ne,you survived as a beaver and"''CHR$&85"you
can now continue to the next stage"''CHR$&85"i
f you wish.":GOTO920
910          MODE7:PRINT''''CHR$&81"Bad luc
k,you can evolve no further"''CHR$&81"because
you have been killed by the"''CHR$&81"patrolli
ng crab."
920          FORI=0TO4000:NEXT:CLS:PRINT''CH
R$&83"Options:-":*FX15
930          PRINT''CHR$&82"1.....Amoeba sta
ge."''CHR$&82"2.....Frog stage"''CHR$&82"3.....
Beaver stage"''CHR$&82"4.....Load stages 4 and
5"''CHR$&82"5.....Exit from program"
940          PRINT''''CHR$&86"Select option
(1-6) "
950          A=GET-48:IFA<0 OR A>5 VDU7:GOTO
950
960          IFA=5 END
970          IFA=4 CHAIN"EVOLUT2"
980          IFA=1 CLEAR:GOTO140 ELSEON A GO
TO140,430,670
990          DEFFNAT(X,Y)
1000         VDU31,X,Y:A%=135
1010         A%=USR&FFF4 AND&FFFF
1020         =A%DIV256
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