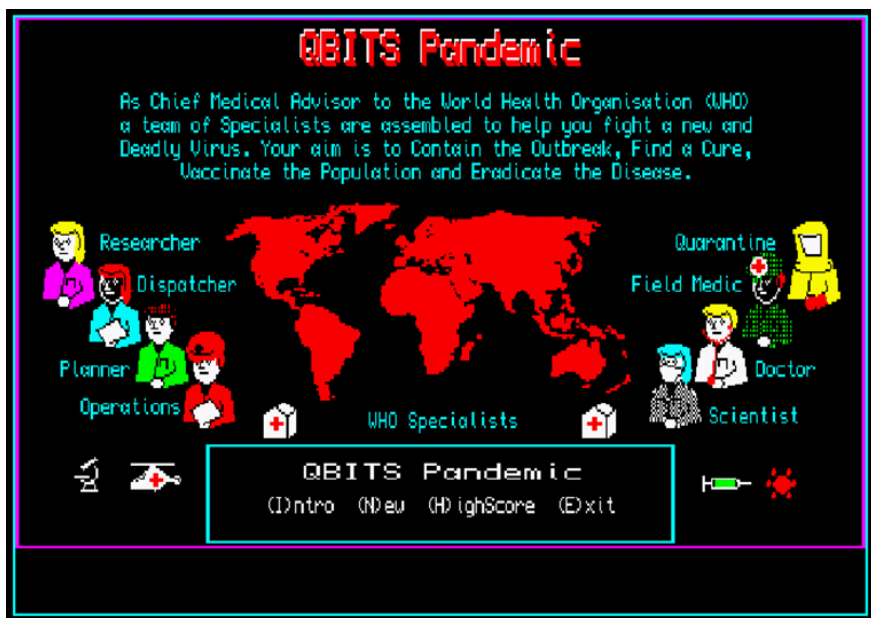




Sinclair QL Retro Gaming



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QBITS Introduction

To maintain a semblance of backward compatibility my S/SuperBASIC Retro Progs are kept within the BBQL Mode 4 screen size of 512x256 pixels. However, to run QBITS Program code you will need expanded memory and Tool Kit 2. The Progs will be relatively slow as they are not optimised for speed running under the QL Basic interpreter. If you have the means and inclination, compiling the programs may provide some improvements.

For writing/checking my **QBITS code** I use versions of the **QL2K** & **QPC2** emulators, both run on a modern computer platform where the performance is a 100 or more times faster than that of a compiled **BBQL** Prog.

QBITS Game Conjecture

Games test our abilities and maybe even educate us by reflecting upon an environmental and/or mental disposition. They can expand our horizons, but also be just an escape and rewarding form of entertainment. I often hear the term 'Learn the Rules - Master the Game'. I acknowledge this to mean keep the game rules and direction of flow relatively easy, but with enough variables to form elaborate complexities such as in the Game of Chess.

A Game must comply with the rules and be played within the environment it is designed around. A Game must have an end goal, to which it progressively flows towards, and hence has **direction**. The Interactive components, **hazards**, **actions** and **events** are those that direct the Game to its ultimate conclusion, to win or lose. To further test the skill and determination of a player **boundaries** can be set, time limits, or countdowns, a depleting number of **Turns**, or reducing strengths of a **Fiscal** nature, **Energy** level or simply **Lives** lost.

QBITS 2020 Challenge

Looking to code a new **QBITS Retro Game** you might have guessed following the lockdown with Covid19 that **Pandemics** became my theme. This began with an idea in the form of a simple statement. **QBITS Pandemic** – the World Health Organisation (WHO) and a team of Specialist set out to Contain the Spread, find a Cure and Vaccine to Eradicate a Deadly Virus.

My starting point being a World Map with 48 City areas with an initial **Outbreak**, then for more city areas to be infected as the game progresses. The Challenge was determining a level of difficulty by varying the number of **Turns**, **Hazards**, **Events** and **Actions**. This all ties into the ability of a player being able to develop a Game **Strategy** from the opportunities presented and so greatly increase the enjoyment of playing and determining the chances of winning.

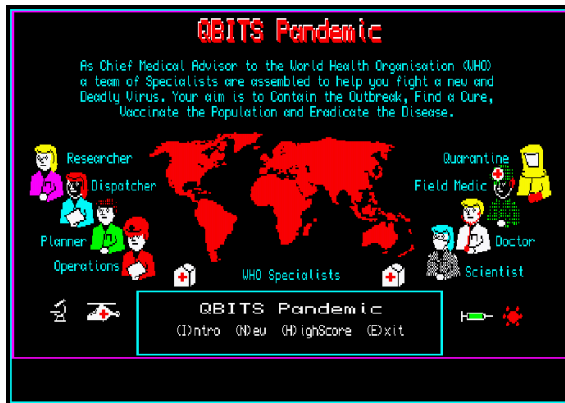
Artwork began with a **World & City Map**, to this I added an **Outbreak Tracker**, **Infection Rate** and **Status** a Countdown of Turns and Infected City Recorder. Activity was represented by **Specialists** (Players) and a number of **Events** and **Actions** identified with graphic images.

QBITS Pandemic Intro

The Program opens with a Menu:-
(I)ntro (N)ew (H)ighscore (E)xit

Key 'I' Introduction and a Mission Statement is displayed outlining the nature of the Game.

The World Map, WHO Specialists and other images are scalable and use the QL S/SuperBASIC Graphic commands. Four out of the eight Specialists are randomly chosen to become the team for each game.



SPECIALISTS: Operations Planner Dispatcher Researcher Scientist Doctor Field Medic Quarantine

QBITS Pandemic Strategy

The opening rounds are Containment and acquiring **RE**search credits to activate the release of a **Vaccine**, this is a top priority. Any Specialist with 5 credits can release the Vaccine but only when they are stationed in a City with a **MED Centre**. The exceptions to this rule are the **Researcher** who only requires 4 credits and the **Doctor** who with 5 credits can release the Vaccine from any city. Once a **Vaccine** is released then the Virus **Spread** is halted, but then it becomes a race to clear all cities of infection before running out of **Turns**.

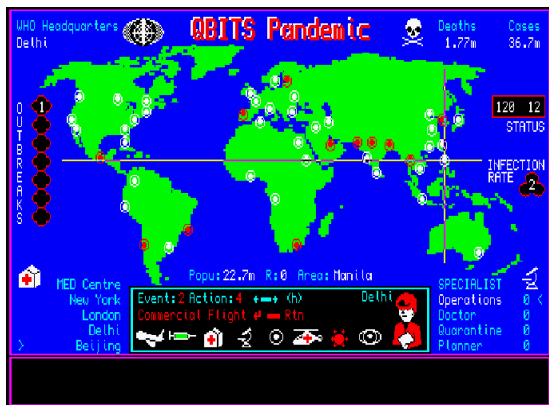
QBITS Pandemic Game Screen

The headings across the top show the selected **WHO Headquarters**, which remains the city of choice at the beginning of each game. Centre page is the **QBITS Title**, followed by the accumulated **Deaths** and confirmed **Cases** which are updated as the game progresses.

Down the left side is the **OUTBREAKS** tracker and below this the 4 relocatable **MED** centres. Each time a **MED** centre is Built in an Infected city the **R:** rate is cleared (**R:0**).

On the right side of the screen a **STATUS** Box shows the number of **Turns** left to play and Cities that are still Infected. Below this is the **Infection Rate indicator** which scales up each time an **Epidemic** is released in a City area. This controls the number of Cities selected for further Infection Increases at the end of each turn until a **Vaccine** Release. If the **R:** factor of a city exceeds 3 then the linked cities **R:** rates are raised by 1. If any of the linked city **R:** rates rise above 3 this can trigger a cascade of **Outbreaks**.

Below this are the **Specialists** recruited for the Game and the accumulated **Research Credits** that each acquires as the game progresses.



QBITS Pandemic Game

City names are randomly shuffled as a Virus deck the first twelve selected to create an initial **Outbreak**. The Game begins after choosing one of four Cities to be WHO Headquarters.

Until a Vaccine Release, Infections continue via **Spread** and **Outbreak** **R: +1** or **Epidemic R: +3**.

STATUS Turns / Infected Cities.

City Location of Specialist



Specialist

Flight Vaccine MED RES R: Airlift Virus View

:ACTIVITY

QBITS Pandemic Turns

This can appear quite complex with the decisions that may be taken. A **Specialist/Player** carries out **2 Events** and **4 Actions** that may be taken in any order. The **Event /Action** image is selected using the **Left & Right Cursor Keys** and then by pressing the **Spacebar**. The red box highlight will disappear and a **Prompt** is displayed requiring a response. **Enter** will confirm an activity and **Spacebar** will return without the activity taking place. The **City** location when required will be identified by a **crosswire** with the **Population R:** and **City Name** displayed just above the activity box.

Events: 2 (Select from:)

- Flight** Move **Specialist** to another City
- Vaccine** Deliver and clear City Infections **R:** (active only after Vaccine Release)
- MED** Relocate **MED** Centre to another City
- RES** Add **RE**search Credit (active until Vaccine Release)

Action: 4 (Combination of :)

- R:** Reduce the **R:** rate in current City if applicable.
- Airlift** Move **Specialist** +/- four cities from current location.
- Virus** Release **Vaccine** if current Specialist has required credits

















View: Use **Left & Right Cursor keys** to move City to City across the Map shown by crosswires, information on **Population, R:** rate and **City Area name** are displayed.

Pressing **(h)** will display the attribute of current **Specialist** and the **City locations** of all four.

Whatever decisions are made all **Events** and **Actions** must be taken to move to the **Next Turn**.

QBITS Pandemic Activity

An activity may not be active dependant on the state of play. For example, **Vaccine** will not be available until a Cure is found. Similarly, **Cure** is active only before a Vaccine Release. The **R:** rate is only active if the current City Infection is above zero. When used with their specific activity each **Specialists** holds a special attribute.

	Flight: evt%-1 <i>Dispatcher</i>	This Offers transfer of Specialist to the next City in Virus deck. Useful to go to or get near an Infected City <i>Destination extended to any City 1-48</i>	
	Vaccine: evt%-1 <i>Field Medic</i>	Delivers to a group of Cities based around next City in Virus deck. Once delivered City R: is reduced to zero <i>Delivery extended to any City 1-48</i>	
	MED Centre: evt%-1 <i>Operations</i>	Relocation of MED Centre to next City in Virus deck. Upon arrival City R: is reduced to zero <i>Relocation extended to any City 1-48</i>	
	RESearch Credits: evt%-1 <i>Scientist</i>	Adds Credits to Specialists Total <i>Gains an extra Turn added to countdown</i>	
	R: rate act%-1 <i>Planner</i>	Reduce R: one Action per R factor <i>Free Turn against countdown</i>	
	Airlift: act%-1 <i>Quarantine</i>	Offers Transfer of Specialist to group of local cities. Once in location can use R: rate to reduce Infections <i>Upon arrival City R: is reduced to zero</i>	
	Cure: act%-1 <i>Researcher Doctor</i>	If Specialist has 5 Credits and in City with a MED Centre Vaccine is released. <i>As before but requires only 4 not 5 Credits With 5 Credits can release Vaccine from any City</i>	 
	View Info:	Access any City Area to show Info.	

QBITS Pandemic Virus Spread

At the end of each **Specialist/Player Turn** and until a **Vaccine** is released the Spread of City Infections continue. The number of Cities depend on the **Global Infection Rate** at the time 2/3/4. **R:** is raised by one if **Spread** or by three if **Epidemic** the choice being random but each time selects the next City from the Virus deck.

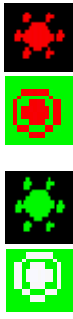
QBITS Pandemic Game End

The Game is **Lost** if more than seven **Outbreaks** occur or if the number of **Turns** runs out without managing to **Clear** all **Infected Cities**. For the **Specialist Team** to **Win** all Infected Cities have to be clear of the **Virus**.

WHO Team League Table			
	Score:	0	Name: ?
	Score:	0	Name: ?
	Score:	0	Name: ?

QBITS Team League Table

A Win might place you on the League Table.



QBITS Pandemic Graphics

Drawing the characters for QBITS Pandemic and knowing I wanted them to be scalable led to thoughts about the detail and when scaling up or down what might remain recognisable.

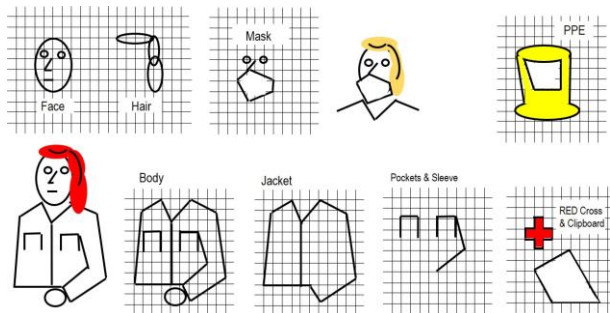
When our eyes scan an image, the brain is analysing for pattern recognition. It is one of the reasons why changing shades of light appear to reveal previously hidden images. Looking at cloud formation or staring long enough at the weave of a carpet, your brain in trying to make sense. It will no doubt aspire to link it to a familiar shape such as a face or animal. It is therefore not difficult to create a familiar and recognisable image with only a few lines.

I use a simple grid to work out the x,y offsets from a common starting point, then add the CIRCLE/ellipse sizes and start and end of LINE positions. To position on screen, I need only a channel ID, the Window x,y graphic coordinates and a Scale.

QBITS Pandemic Specialists

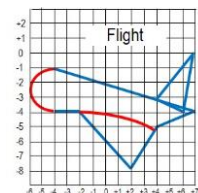
A face for example needs only a round circle with two smaller circle for eyes and three short lines to represent the nose and mouth. Adding hair to a face can be achieved with ellipse shapes, one on top for very short, extending the side with a second for average length and a third lower down to resemble long hair. To help maintain the face outline I overlay with ARCs drawn in black.

The left and right sides of the torso are split to achieve the v neck. This is because the FILL command of S/SuperBASIC cannot be used with re-entrant shapes. Overlaying with black lines divide the jackets two halves, and show the sleeve and pockets.



Changes in colour for jacket and hair with differing lengths can create a variety of Characters. Adding Head Gear, a Mask, Clipboard, Stethoscope and not forgetting PPE gear all help broaden the Roles they might represent.

QBITS Pandemic Events Actions



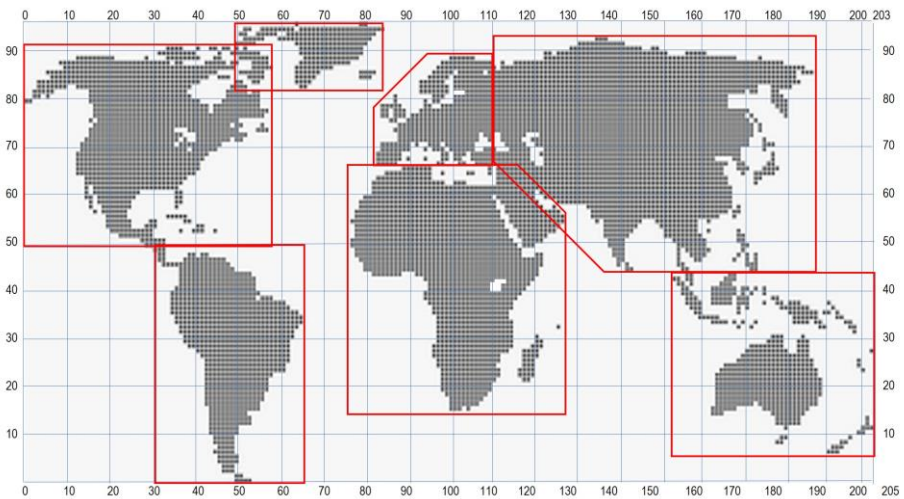
As with drawing the Specialists the graphics are a combination of **ARC's** & **LINE's**, some areas are FILL'd other just create a stroke to emphasize the image.



QBITS Pandemic World Map

After a few attempts constructing a World Map, it highlighted how QL S/SuperBASIC would handle the DATA created and became a tossup between using BLOCK and Pixel coordinates or a FILL'd rectangle drawn with LINE and Graphic coordinate system. The S/SuperBASIC interpreter at BBQL speed would be slow using either method however the Graphics command gave a more readily scalable option.

For starters I used a blow-up pixelized World Map to match the QL screen size. The Continents x, y coordinates and width of each rectangle shape became the DATA inputs. The height being a set constant dependant on the Scale and Window size used.



Note: Just a thought why do all Continents start with the letter A? From ancient Egyptian *Afruika* means turn to the birthplace of humanity! *America* in Mayan a possible translation is a spirit that breaths life. Classical Greek *Assuwa* (Asia) was literally an area to the east and *Australis* to the south. So Coincidence!

100 DEFine PROCedure Init_map

```
110 RESTORE 1770:READ map:Draw_map :REMark Greenland      RESTORE reference to start of DATA lines
120 RESTORE 1695:READ map:Draw_map :REMark America North
130 RESTORE 1760:READ map:Draw_map :REMark Europe
140 RESTORE 1722:READ map:Draw_map :REMark Asia
150 RESTORE 1712:READ map:Draw_map :REMark America south
160 RESTORE 1683:READ map:Draw_map :REMark Africa
170 RESTORE 1745:READ map:Draw_map :REMark Australasia
180 END DEFine
```

200 DEFine PROCedure Draw_map

```
210 FOR i=1 TO map      map number of filled rectangles
220   READ x,y,w:FILL#ch,1
230   LINE#ch,x,y TO x+w,y TO x+w,y-d TO x,y-d TO x,y:FILL#ch,0  w - width d - depth of blocks
240 END FOR i
250 END DEFine
```


QBITS Pandemic City Map

My starting point was a review of country Capitals with high population areas. In the end I selected 48 **City Areas**. As the Game is played each City is updated with information on the Viral spread and level of infection. Arrays were decided upon to hold the City Name, x,y Coordinates, size of **Population**, three linked Cities referenced by map number 1 to 48 and used for **Outbreak** purposes, and the **R**: rate or infection level.

```

300 DEFINE PROCEDURE Init_city
310 RESTORE 1640:READ cm          :REMark cm city max : cn city number
320 DIM city$(cm,14),city(cm,8)
330 FOR i=1 TO cm                City Example
340 READ city$(i)                :REMark Name         San Francisco
350 READ city(i,1),city(i,2)     :REMark x,y         14, 66 (Graphics Coordinates)
360 READ city(i,3)               :REMark Population    460 (4.6m)
370 READ city(i,4),city(i,5),city(i,6) :REMark Linked Cities 2 (Los Angeles) 3 (Vancouver) 47 (Tokyo)
380 city(i,7)=0                  :REMark Infection Rate
390 END FOR I
400 END DEFINE

```

```

420 DEFINE PROCEDURE Draw_city
430 FOR i=1 TO cm: City_HGL i,7,7 :PAUSE 1
440 END DEFINE

```

```

460 DEFINE PROCEDURE City_HGL(cn,c1,c2)
470 x=city(cn,1):y=city(cn,2)
480 INK#1,c1:CIRCLE#1,x,y,2:INK#1,c2:FILL#1,1:CIRCLE#1,x,y,1:FILL#1,0
490 END DEFINE

```

```

1640 DATA 48                    :REMark number of City Areas
1641 DATA 'San Francisco',14,66,460,2,3,47, 'Los Angeles',16,62,1310,1,4,10
1642 DATA 'Vancouver',17,75,240,1,5,6, 'Mexico City',26,51,2440,2,7,9
1643 DATA 'Chicago',33,74,800,3,10,12, 'Atlanta',36,62,560,5,6,13
1644 DATA 'Miami',36,57,610,4,9,10, 'Lima',36,32,1000,9,11,15
1645 DATA 'Bogota',40,42,980,4,7,8, 'Washington',40,66,620,5,6,13
1646 DATA 'Santiago',44,17,660,8,14,48, 'Montreal',45,73,410,5,13,18
1647 DATA 'New York',45,69,2370,10,12,16, 'Buenos Aries',54,16,1270,11,15,28
1648 DATA 'Sao Paulo',62,23,2120,8,14,17, 'Madrid',85,68,620,13,18,20
1649 DATA 'Lagos',88,44,1600,15,20,23, 'London',88,76,1380,12,19,22
1650 DATA 'Paris',90,73,1250,18,20,21, 'Algiers',92,65,500,16,17,19
1651 DATA 'Milan',96,70,820,19,24,25, 'Stockholm',98,81,140,18,21,24
1652 DATA 'Kinshasa',98,35,1430,17,28,29, 'St Petersburg',103,81,750,21,22,26
1653 DATA 'Istanbul',105,69,1480,21,27,31, 'Moscow',106,75,1790,19,24,41
1654 DATA 'Cairo',108,57,2040,25,29,32, 'Johannesburg',107,17,800,14,23,34
1655 DATA 'Khartum',111,50,520,23,27,32, 'Baghdad',115,63,870,27,30,33
1656 DATA 'Tehran',120,65,1600,25,26,30, 'Barhain',121,56,170,29,30,33
1657 DATA 'Karachi',132,57,2750,32,34,35, 'Mumbai',136,51,2770,28,33,36
1658 DATA 'Delhi',138,57,2660,33,37,41, 'Chennai',140,45,1330,34,37,40
1659 DATA 'Kolkata',145,56,1410,35,36,38, 'Bankok',154,50,1450,37,39,42
1660 DATA 'Ho Chi Minh',158,47,1010,38,40,42, 'Jakarta',159,35,3020,36,38,48
1661 DATA 'Beijing',162,68,2490,26,35,44, 'Hong Kong',162,55,720,39,43,46
1662 DATA 'Shanghai',163,62,3400,42,44,45, 'Seoul',167,66,2560,41,43,47
1663 DATA 'Taiping',167,56,700,43,46,47, 'Manila',168,50,2270,42,45,48
1664 DATA 'Tokyo',174,66,3780,1,44,45, 'Sydney',182,14,500,11,40,46

```

QBITS Pandemic Code

```

1000 REMark QBPandemic_v01 (QBITS Pandemic 2020)

1002 MODE 4:gx=0:gy=0:dy=28      :REMark For BBQL gx=0 gy=0 dy=28
1003 Drv$='win2_'.lchk=0          :REMark Default Drive : Intro Check
1004 REMark The number of Turns (tnum) & REsearch Credits (cres)
1005 REMark control the duration & difficulty of completing the Game
1006 tnum=120:cres=5              :REMark [score%=num*100-od$*100]
1007 rate=2:evt%=2:act%=4         :REMark Infection Rate : Events : Actions

```

```

1009 WHEN ERROr
1010 IF ERR_NF OR ERR_IU OR ERR_DF OR ERR_FE OR ERR_BN
1011   CURSOR#3,48,24:PRINT#3,'Set Default Drive: ';
1012   OPEN#9,con_10x10a10x10_6:WINDOW#9,36,10,280+gx,208+gy
1013   PAPER#9,0:INK#9,7:CLS#9:INPUT#9,Drv$:CLOSE#9:LReset
1014 END IF
1015 END WHEN

```

```

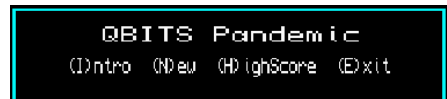
1017 Init_win:Init_Info:Init_League:Game_Menu

```

```

1019 DEFine PROCEDURE Game_Menu
1020 REPEAT Menu_lp
1021   CSIZE#3,2,0:INK#3,7:CLS#3
1022   CURSOR#3,54, 6:PRINT#3,'QBITS Pandemic':CSIZE#3,0,0
1023   CURSOR#3,32,20:PRINT#3,'(I)ntro (N)ew (H)ighScore (E)xit'
1024   k=CODE(INKEY$(-1))
1025   SElect ON k
1026     =73,105:Intro_Pandemic:lchk=0      :REMark (I)ntro
1027     =78,110:Init_city:QBPandemic       :REMark (N)ew
1028     =72,104:CLS#3:LTable:PAUSE         :REMark (H)ighScore
1029     =69,101:EXIT Menu_lp               :REMark (E)xit
1030 END SElect
1031 END REPEAT Menu_lp
1032 CLOSE#4:CLOSE#3:PAPER#2,0:INK#2,7:CLS#2:PRINT#0,'Bye...':STOP
1033 END DEFine

```



```

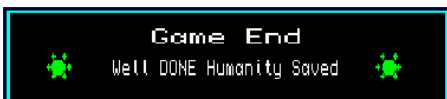
1035 DEFine PROCEDURE Game_End
1036 ch=3:CLS#3:CSIZE#3,2,0:INK#3,7
1037 CURSOR#3,88,6:PRINT#3,'Game End':CSIZE#3,0,0
1038 IF ctr=0
1039   AVirus 4,15,10:AVirus 4,118,10:INK#3,7
1040   CURSOR#3,64,20:PRINT#3,'Well DONE Humanity Saved'
1041   PAUSE:LTable:score%=num*100-od$:HighScore

```

```

1042 ELSE

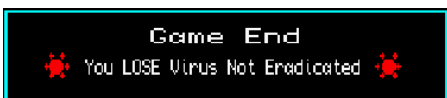
```



```

1043   AVirus 2,15,10:AVirus 2,118,10:INK#3,7
1044   CURSOR#3,48,20:PRINT#3,'You LOSE Virus Not Eradicated'
1045 END IF
1046 PAUSE:Game_Menu
1047 END DEFine

```

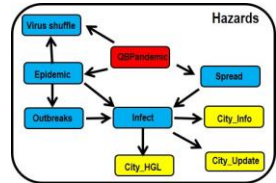


```

1049 DEFine PROCEDURE QBPandemic
1050 IF lchk=0:Game_screen:lchk=1
1051 Game_reset:c=1:w=1:v=1:vn=13:gir=2:s=1:Role_HGL 7,s
1052 num=tnum:evt%=2:act%=4:m%=4
1053 REPEAT Game_Ip
1054 ActEvent:IF num<=1 OR ob>7 OR ctr=0:Game_End

1055 IF act%=0 AND evt%=0
1056 Act_HGL 2,6:CLS#0:Role_HGL 5,s:s=s+1:IF s>4:s=1
1057 IF v=1
1058 FOR haz=1 TO rate
1059 BLOCK#3,230,10,0,12,0:vn=vn+1:num=num-1
1060 r%=RND(1 TO 8):IF r%=3 OR r%=7:EPidemic:ELSE Spread
1061 END FOR haz
1062 END IF
1063 Act_HGL 0,6:act%=4:evt%=2:m%=4:ActEvent:Role_HGL 7,s
1064 END IF

```



HAZARDS

v=1 Virus active
rate = Global Infection Rate

Change to Next Specialist

```

1065 en=Team(s,1):Rate_HGL en
1066 Act_HGL 2,m%:k=CODE(INKEY$(-1)):Act_HGL 0,m%

```

Key Input

```

1067 SElect ON k
1068 =78,104:Help_Info Role (s)
1069 =192:m%=m%-1:IF m%<0:m%=7
1070 =200:m%=m%+1:IF m%>7:m%=0
1071 =32:a%=m%+1:INK#4,2:Activity:a%=0:IF lchk=1:CLS#0:num=num-1:lchk=0
1072 =232:act%=0:evt%=0 :REMark F1 Next Specialist
1073 =236:num=120 :REMark F2 Reset Turns
1074 =240:Spread :REMark F3 Check
1075 =240:EPidemic:IF gir=7:gir=2 :REMark F4 Check
1076 =244:Outbreak:IF ob=7 :ob=1 :REMark F5 Check
1077 END SElect

```

EVENT ACTION

Specialist Help Info
Activity Highlight Left
Activity Highlight Right

Checks F1 – F4

```

1078 END REPEAT Game_Ip
1079 END DEFine

```

```

1081 DEFine PROCEDURE Act_HGL(col,m%)
1082 BLOCK#3,230,12,0,12,0:x1=1+m%*14.5:x2=15+m%*14.5
1083 INK#3,col:LINE#3,x1,1 TO x1,10 TO x2,10 TO x2,1 TO x1,1
1084 END DEFine

```



```

1086 DEFine PROCEDURE ActEvent
1087 INK#3,2:CURSOR#3,42,1:PRINT#3,evt%:CURSOR#3,96,1:PRINT#3,act%
1088 ctr=0:FOR i=1 TO 48:IF city(i,7)>0:ctr=ctr+1
1089 stat$=FILL$(' ',3-LEN(num))&num&' ' &FILL$(' ',2-LEN(ctr))&ctr
1090 STRIP#2,0:INK#2,7:CURSOR#2,454,58:PRINT#2,stat$:STRIP#2,1
1091 END DEFine

```

Event: 2 Action: 4

```

1093 DEFine PROCEDURE Help_Info(sh)
1094 ln$="":FOR i=1 TO 4:ln$=ln$&'(&i*)&city$(Team(i,1))&' '
1095 ln%=LEN(ln$):INK#0,4:CURSOR#0,254-ln%/2*6,14:PRINT#0,ln$
1096 ln%=LEN(ln$(sh)) :CURSOR#0,254-ln%/2*6,2:PRINT#0,ln$(sh)
1097 END DEFine

```

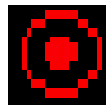
120 12
STATUS

MED Centre - Relocate to any City (R):0
(1)Sao Paulo (2)Montreal (3)London (4)Washington


```

1153 DEFine PROCEDURE Rate_chg
1154 INK#3,2:CURSOR#3,4,12:PRINT#3,'Reduce R: rate ¼  Rtn'
1155 BLOCK#3,2,4,100,14,2:BLOCK#3,12,3,110,16,2
1156 REPEAT Rate_lp
1157 City_pos en:k=CODE(INKEY$(-1)):City_pos en
1158 IF k=10 AND city(en,7)>0:city(en,7)=city(en,7)-1:act%=act%-1:chck=1
1159 CURSOR#2,252,168:PRINT#2,city(en,7):Rate_HGL en
1160 IF k=32 OR city(en,7)=0 OR act%<1:EXIT Rate_lp
1161 END REPEAT Rate_lp
1162 IF lchck=1 AND Role(s)=2:num=num+1 :REMark Role(s)=2 Planner
1163 END DEFine

```



```

1165 DEFine PROCEDURE Move_chg
1166 INK#3,2:CURSOR#3,4,12:PRINT#3,'Airlift to ¼Next City½ ¼  Rtn'
1167 BLOCK#3,2,4,148,14,2:BLOCK#3,12,3,158,16,2
1168 cm=cn:sm=cn-act%:em=cn+act%:maact%=act%:City_loc
1169 IF lchck=1
1170 IF cm<Team(s,1):maact%=Team(s,1)-cm :REMark < used act% count
1171 IF cm>Team(s,1):maact%=cm-Team(s,1) :REMark > used act% count
1172 IF cn=Team(s,1):RETurn
1173 IF Role(s)=8:city(cn,7)=0:City_Info cn :REMark Role(s)=8 Quarantine
1174 Team(s,1)=cn:City_Visit cn:act%=act%-maact%
1175 END IF
1176 END DEFine

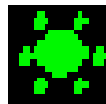
```



```

1178 DEFine PROCEDURE Cure_chg
1179 IF v=2:RETurn
1180 IF Role(s)=cres-1:Team(s,2)=cres :REMark Role(s)=4 Researcher
1181 tchk=0:FOR i=1 TO 5:IF Team(s,1)=MEDCtr(i):tchk=1::EXIT i
1182 IF tchk=0 AND Role(s)<>6:RETurn :REMark Role(s)=6 Doctor
1183 IF Team(s,2)<5
1184 INK#3,2:col=2:CURSOR#3,4,12:PRINT#3,'No Vaccine Available  Rtn'
1185 ELSE
1186 INK#3,4:col=4:CURSOR#3,4,12:PRINT#3,' Vaccine Released  Rtn'
1187 v=2:ch=3:AVirus 4,95,5
1188 END IF
1189 BLOCK#3,12,3,128,16,col:PAUSE
1190 END DEFine

```



```

1192 DEFine PROCEDURE View_chg
1193 INK#3,2:CURSOR#3,4,12:PRINT#3,'View ¼City Area Info½  Rtn'
1194 BLOCK#3,12,3,138,16,2:cm=cn:sm=cn-48:em=cn+48:City_loc
1195 END DEFine

```



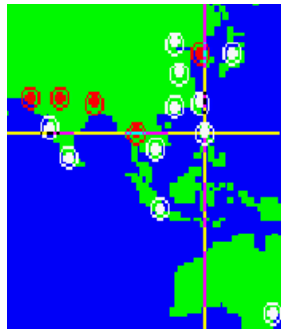
Event: 2 Action: 4 ➡➡ (h)
Sao Paulo

Flight
Vaccine
MED
RES
R:
Airlift
Virus
View

```

1197 DEFine PROCEDURE City_loc
1198 REMark cn city number: cm transitional: sm start - em end city
1199 REPEAT Move_ip
1200 IF cm< 1:cn=48+cm :REMark cm<1 [48+ -cm : 48/47/46 etc]
1201 IF cm>48:cn=cm-48 :REMark cm>48 [cm -48 : 1/2/3 etc]
1202 City_pos cn:k=CODE(INKEY$(-1)):City_pos cn
1203 SElect ON k
1204 =192:cm=cm-1:IF cm<sm:cm=sm:ELSE cn=cm
1205 =200:cm=cm+1:IF cm>em:cm=em:ELSE cn=cm
1206 =32:chck=0:EXIT Move_ip
1207 =10:chck=1:EXIT Move_ip
1208 END SElect
1209 END REPEAT Move_ip
1210 END DEFine

```



Crosswires

```

1212 DEFine PROCEDURE City_pos(n)
1213 mx=city(n,1):my=city(n,2)
1214 INK#1,7:OVER#1,-1:LINE#1,mx,10 TO mx,86:LINE#1,10,my TO
184,my:OVER#1,0
1215 INK#2,7:City_Info n
1216 END DEFine

```



```

1218 DEFine PROCEDURE Spread
1219 BLOCK#3,230,10,0,12,0:en=virus(vn):Infect en,1
1220 INK#3,2:CUSOR#3,2,12:PRINT#3,'Virus Increase ':city$(en):PAUSE 80
1221 END DEFine

```

```

1223 DEFine PROCEDURE Infect(ci,r)
1224 city(ci,7)=city(ci,7)+r:City_Info ci:City_Update ci:PAUSE 20
1225 IF city(ci,7)>3 : city(ci,7)=3:City_Info ci : Outbreak ci
1226 END DEFine

```

```

1228 DEFine PROCEDURE Outbreak(ci)
1229 BLOCK#3,230,10,0,12,0:ob=ob+1:IF ob>7:Game_End
1230 INK#3,2:CUSOR#3,2,12:PRINT#3,'Outbreak in Surrounding Areas'
1231 BLOCK#2,6,90,4,50,1:INK#2,7
1232 FOR i=1 TO 9:CUSOR#2,4,50+i*9:PRINT#2,ob$(i):PAUSE 3
1233 OVER#2,1:CUSOR#2,12,101-ob*7,-3,-4:PRINT#2,ob:OVER#2,0
1234 PAUSE 50:BLOCK#3,230,12,0,12,0
1235 n1=city(cn,4):IF city(n1,7)<3:Infect n1,1
1236 n2=city(cn,5):IF city(n2,7)<3:Infect n2,1
1237 n3=city(cn,6):IF city(n3,7)<3:Infect n3,1
1238 END DEFine

```



```

1240 DEFine PROCEDURE Epidemic
1241 BLOCK#3,230,10,0,12,0:en=virus(vn):Infect en,3
1242 INK#3,2:CUSOR#3,2,12:PRINT#3,'Epidemic in ':city$(en):'
1243 rate=4:IF gir<6:rate=3:IF gir<4:rate=2
1244 City_Shuffle:gir=gir+1:IF gir>7:gir=7
1245 STRIP#2,0:INK#2,7:CUSOR#2,210,64,-3,-4:PRINT#2,rate:STRIP#2,1
1246 PAUSE 80
1247 END DEFine

```



```

1249 DEFine PROCEDURE City_Shuffle
1250 DIM virus(48):FOR i=1 TO 48:virus(i)=i
1251 FOR c=48 TO 3 STEP -1
1252 ran=RND(1 TO c-1):temp=virus(c):virus(c)=virus(ran):virus(ran)=temp
1253 END FOR c
1254 END DEFine

```

```

1256 DEFine PROCEDURE City_Info(n)
1257 INK#2,7:p$=city(n,3):pl=LEN(p$)
1258 CURSOR#2,198,168:PRINT#2,p$(1 TO pl-2);';p$(pl-1);'m'
1259 CURSOR#2,252,168:PRINT#2,city(n,7):Rate_HGL n
1260 CURSOR#2,302,168:PRINT#2,city$(n)&FILL$(' ',14-LEN(city$(n)))
1261 END DEFine

```



```

1263 DEFine PROCEDURE City_Update(ca)
1264 City_HGL ca,7,7:PAUSE 5:City_HGL ca,7,2:PAUSE 5:City_HGL ca,2,2
1265 INK#2,7:r=2:ac$=":od$=":IF ac>99900:Game_End
1266 ac=ac+city(ca,3):od=ac:Str$=ac*2:sl=LEN(Str$)
1267 IF sl<4:ac$='&Str$(1 TO sl-2):ELSE ac$=Str$(1 TO sl-3)&'&Str$(sl-2)
1268 CURSOR#2,460,16:PRINT#2,FILL$(' ',5-LEN(ac$)):ac$;'m'
1269 od=ac-RND(500 TO 999):Str$=od:sl=LEN(Str$)
1270 IF sl<4:od$='.&Str$(1):ELSE od$=Str$(1 TO sl-4)&'&Str$(sl-3 TO sl-2)
1271 CURSOR#2,400,16:PRINT#2,FILL$(' ',5-LEN(od$)):od$;'m'
1272 END DEFine

```

```

1274 DEFine PROCEDURE City_Visit
1275 c$=city$(Team(s,1)):INK#3,5:CURSOR#3,160,0:PRINT#3,FILL$(' ',14-LEN(c$))&c$
1276 END DEFine

```

```

1278 DEFine PROCEDURE City_HGL(cn,c1,c2)
1279 x=city(cn,1):y=city(cn,2)
1280 INK#1,c1:CIRCLE#1,x,y,2:INK#1,c2:FILL#1,1:CIRCLE#1,x,y,1:FILL#1,0
1281 END DEFine

```

```

1283 DEFine PROCEDURE Role_HGL(col,s)
1284 BLOCK#3,36,40,240,0,0:INK#2,col
1285 CURSOR#2,400,174+s*10:PRINT#2,Team$(Role(s)):Cure_HGL 5,s
1286 Specialist 3,126,17,Role(s):City_Visit
1287 END DEFine

```

```

1289 DEFine PROCEDURE MED_HGL(col,w)
1290 BLOCK#2,8,40,4,184,1:INK#2,col:w$=city$(MEDCtr(w))
1291 CURSOR#2,6,174+w*10:PRINT#2,'> ':FILL$(' ',14-LEN(w$)):w$
1292 END DEFine

```



```

1294 DEFine PROCEDURE Rate_HGL(cn)
1295 IF city(cn,7)=0:City_HGL cn,7,7:INK#3,7:ELSE INK#3,2
1296 CIRCLE#3,66,6,3:FILL#3,1:CIRCLE#3,66,6,1:FILL#3,0
1297 END DEFine

```

```

1299 DEFine PROCEDURE Cure_HGL(col,c)
1300 BLOCK#2,12,40,492,184,1:INK#2,col
1301 CURSOR#2,480,174+c*10:PRINT#2,Team(c,2);'<'
1302 END DEFine

```


1304 REMark QBPandemic Graphics

1306 **DEFine PROCEDURE Specialist(ch,x,y,d%)**

1307 **SElect ON d%**

1308 =1:Face 0,1,x,y:Hair 2,1,x,y:Body 2,0,x,y:Hood 2,x,y:Clip 7,x,y

1309 =2:Face 0,1,x,y:Hair 16,1,x,y:Body 4,1,x,y

1310 =3:Face 7,0,x,y:Hair 2,2,x,y:Body 5,1,x,y:Clip 7,x,y

1311 =4:Face 0,1,x,y:Hair 6,2,x,y:Body 3,1,x,y

1312 =5:Face 0,1,x,y:Hair 5,2,x,y:Body 248,2,x,y:Mask x,y

1313 =6:Face 0,1,x,y:Hair 6,1,x,y:Body 7,1,x,y:Scope x,y

1314 =7:Face 7,0,x,y:Hair 2,1,x,y:Body 32,2,x,y:Hood 32,x,y:Cross x-2,y+4

1315 =8:Body 6,0,x,y:PPE 6,x,y

1316 **END SElect**

1317 **END DEFine**

Operations
Planner
Dispatcher
Researcher
Scientist
Doctor
Field Medic
Quarantine



1319 **DEFine PROCEDURE Face(col,fil,x,y)**

1320 **INK#ch,7:FILL#ch,fil:CIRCLE#ch,x,y-.6,4,.8,PI:FILL#ch,0**

1321 **INK#ch,col:CIRCLE#ch,x-2.5,y+.5,.5:CIRCLE#ch,x+.5,y+.3,.5**

1322 **LINE#ch,x-1,y+.4 TO x-2,y-1.2 TO x-.4,y-1.3**

1323 **LINE#ch,x-1.5,y-2.6 TO x+.5,y-2.6**

1324 **END DEFine**

:REMark Face

:REMark Eyes

:REMark Nose

:REMark Mouth



1326 **DEFine PROCEDURE Hair(col,lgh,x,y)**

1327 **INK#ch,col:FILL#ch,1:CIRCLE#ch,x,y+3,4,.4,PI/2:FILL#ch,0**

1328 **IF lgh>0 :FILL#ch,1:CIRCLE#ch,x+3.5,y+1,2,.4,PI:FILL#ch,0**

1329 **IF lgh>1 :FILL#ch,1:CIRCLE#ch,x+3.5,y-2,3,.4,PI:FILL#ch,0**

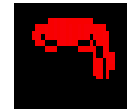
1330 **INK#ch,0 :ARC#ch,x-3,y+3 TO x+2,y+3,PI/2:ARC#ch,x+2,y+3 TO x+3,y-2,200**

1331 **END DEFine**

:REMark Top

:REMark Back

:REMark Long



1333 **DEFine PROCEDURE Body(col,pkt,x,y)**

1334 **INK#ch,col:FILL#ch,1**

1335 **LINE#ch,x-1,y-8 TO x-2,y-14 TO x-6,y-14 TO x-5,y-7 TO x-2,y-5 TO x-1,y-8**

1336 **FILL#ch,0:FILL#ch,1**

1337 **LINE#ch,x-1,y-8 TO x-1,y-14 TO x+1,y-16 TO x+7,y-14 TO x+6,y-7**

1338 **LINE#ch TO x+2,y-5 TO x,y-8:FILL#ch,0**

1339 **INK#ch,0:LINE#ch,x-1,y-15 TO x+4,y-12 TO x+3.5,y-9**

1340 **INK#ch,0:LINE#ch,x-.5,y-8 TO x-1.5,y-14**

1341 **IF pkt>0:INK#ch,0:LINE#ch,x+2,y-11 TO x+2,y-9 TO x,y-9 TO x,y-11**

1342 **IF pkt>1:INK#ch,0:LINE#ch,x-4,y-11 TO x-4,y-9 TO x-2,y-9 TO x-2,y-11**

1343 **INK#ch,7:FILL#ch,1:CIRCLE#ch,x-.7,y-15,1.6:FILL#ch,0**

1344 **INK#ch,0:CIRCLE#ch,x-.7,y-15,1.6**

1345 **END DEFine**

:REMark Left side

:REMark Right side

:REMark Sleeve

:REMark Mid Divide

:REMark Hand



1347 **DEFine PROCEDURE Hood(col,x,y)**

1348 **INK#ch,col:FILL#ch,1:CIRCLE#ch,x-1.6,y+4,3,6,.8,-PI/5:FILL#ch,0**

1349 **FILL#ch,1:CIRCLE#ch,x+.5,y+4,4,.8,-PI/2:FILL#ch,0:INK#ch,0**

1350 **ARC#ch,x-4,y+3 TO x+2,y+3,PI/3:FILL#ch,1:CIRCLE#ch,x-2,y+3,4,1:FILL#ch,0**

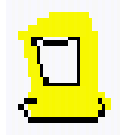
1351 **END DEFine**



```

1353 DEFine PROCEDURE PPE(col,x,y)
1354 INK#ch,col:FILL#ch,1:CIRCLE#ch,x-.5,y+3.4,.4,PI/1.8:FILL#ch,0
1355 FILL#ch,1:CIRCLE#ch,x+.5,y-5.5,5,.3,PI/2:FILL#ch,0
1356 INK#ch,0:CIRCLE#ch,x,y-6.5,.3,PI/2 :FILL#ch,1:INK#ch,col
1357 LINE#ch,x-5,y+3 TO x+4,y+3 TO x+4,y-5 TO x-3,y-5 TO x-5,y+3:FILL#ch,0
1358 FILL#ch,1:INK#ch,7
1359 LINE#ch,x-3.5,y+2 TO x+2,y+2 TO x+2,y-3 TO x-2,y-3 TO x-3.5,y+2
1360 FILL#ch,0:INK#ch,0:ARC#ch,x-3.5,y+2 TO x+2,y+2,PI/5
1361 LINE#ch,x+2,y+2 TO x+2,y-3.5 TO x-2,y-3.5 TO x-3.5,y+2
1362 FILL#ch,1:INK#ch,2:CIRCLE#ch,x-.7,y-15,1.4:FILL#ch,0:FILL#ch,1
1363 LINE#ch,x,y-14 TO x+3,y-13 TO x+4,y-15 TO x+1,y-16 TO x+.5,y-14:FILL#ch,0
1364 END DEFine

```



```

1366 DEFine PROCEDURE Mask(x,y)
1367 FILL#ch,1:INK#ch,7
1368 LINE#ch,x-2,y TO x-4,y-1 TO x-2,y-5 TO x,y-5 TO x+3,y-2 TO x-2,y
1369 FILL#ch,0:INK#ch,0
1370 LINE#ch,x-2,y TO x-4,y-1 TO x-2,y-5 TO x,y-5 TO x+3,y-2 TO x-2,y
1371 END DEFine

```



```

1373 DEFine PROCEDURE Scope(x,y)
1374 INK#ch,2:ARC#ch,x-4,y-2 TO x+3,y,PI:FILL#ch,1:CIRCLE#ch,x+3,y-1,.6
1375 LINE#ch,x-.5,y-4 TO x-2,y-14:CIRCLE#ch,x-2,y-14,1.2,.5,PI:FILL#ch,0
1376 END DEFine

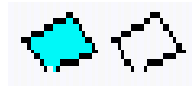
```



```

1378 DEFine PROCEDURE Clip(col,x,y)
1379 INK#ch,col:FILL#ch,1
1380 LINE#ch,x-1,y-15 TO x-4,y-12 TO x+1,y-9 TO x+4,y-13 TO x-1,y-15:FILL#ch,0
1381 INK#ch,0 :LINE#ch,x-2,y-15 TO x-4,y-12 TO x+1,y-9 TO x+4,y-13 TO x-1,y-15
1382 END DEFine

```



```

1384 DEFine PROCEDURE Cross(x,y)
1385 FILL#ch,1:INK#ch,7:CIRCLE#ch,x,y,2.2:FILL#ch,0:FILL#ch,1:INK#ch,2
1386 LINE#ch,x-1.6,y+.4 TO x+1.6,y+.4 TO x+1.6,y-.4 TO x-1.6,y-.4
1387 LINE#ch,x-.4,y+1.5 TO x+.4,y+1.5 TO x+.4,y-1.5 TO x-.4,y-1.5 TO x-.4,y+1.5
1388 FILL#ch,0:INK#ch,5
1389 END DEFine

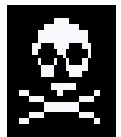
```



```

1391 DEFine PROCEDURE Skull(x,y)
1392 INK#ch,7:LINE#ch,x-4,y-3 TO x+4,y-6:LINE#ch,x-4,y-6 TO x+4,y-3
1393 LINE#ch,x-4,y-3 TO x-.8,y-3:LINE#ch,x-1.2,y-2.5 TO x+1.6,y-2.5
1394 FILL#ch,1:LINE#ch,x-3,y+1 TO x-2,y-1.5 TO x+2,y-1.5 TO x+3,y+1
1395 ARC#ch,x-3,y+1 TO x-3,y+1,PI:FILL#ch,0:INK#ch,0
1396 FILL#ch,1:LINE#ch,x,y TO x-.8,y-1.5 TO x+.8,y-1.5 TO x,y:FILL#ch,0
1397 FILL#ch,1:CIRCLE#ch,x-1.5,y+.5,9:FILL#ch,0
1398 FILL#ch,1:CIRCLE#ch,x+1.7,y+.5,9:FILL#ch,0:INK#2,5
1399 END DEFine

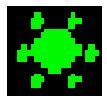
```



```

1401 DEFine PROCEDURE AVirus(col,x,y)
1402 LOCal a,b,r,c:RESTORE 1404:INK#ch,col
1403 FOR i=1 TO 7:READ a,b,r:FILL#ch,1:CIRCLE#ch,x+a,y+b,r:FILL#ch,0
1404 DATA 0,0,2,-1.8,3,2,6,1.8,3,2,6,-3,2,0,.6
1405 DATA 3,2,0,6,-1.8,-2,8,6,1.8,-2,8,6
1406 END DEFine

```



```

1408 DEFine PROCEDURE MEDCamp(x,y)
1409 INK#ch,7:FILL#ch,1:LINE#ch,x-3,y TO x+2,y+3 TO x+5,y+1
1410 LINE#ch TO x+5,y-3.8 TO x+3,y-5 TO x-3,y-5 TO x-3,y:FILL#ch,0
1411 INK#ch,0:LINE#ch,x+3,y-5 TO x+3,y TO x,y+2
1412 LINE#ch,x+3,y TO x+5,y+1.2:Cross x,y-2
1413 END DEFine

```



```

1415 DEFine PROCEDURE Vaccine(x,y)
1416 INK#ch,7
1417 LINE#ch,x-4,y+1.2 TO x+2,y+1.2 TO x+3,y+.6 TO x+3,y-.6 TO x+2,y-1.2
1418 LINE#ch TO x-4,y-1.2 TO x-4,y+1.2:LINE#ch,x+3,y TO x+6.6,y
1419 LINE#ch,x-6,y TO x-4,y:LINE#ch,x-6,y+2 TO x-6,y-2
1420 FILL#ch,1:INK#ch,4
1421 LINE#ch,x-3,y+.6 TO x+1.8,y+.6 TO x+1.8,y-.6 TO x-3,y-.6 TO x-3,y+.6
1422 FILL#ch,0:INK#ch,7
1423 END DEFine

```



```

1425 DEFine PROCEDURE Copter(x,y)
1426 INK#ch,7:LINE#ch,x-5,y TO x+6,y:LINE#ch,x,y-1 TO x-5,y-5
1427 FILL#ch,1:LINE#ch,x,y TO x+6,y-4 TO x+4,y-4:ARC#ch TO x,y-6,-PI/4
1428 LINE#ch TO x-4,y-6:ARC#ch TO x-5,y-5,-PI:LINE#ch TO x-2,y-4 TO x,y
1429 FILL#ch,0:CIRCLE#ch,x+6.5,y-4,1:POINT#ch,x+6.5,y-4
1430 Cross x+1,y-4
1431 END DEFine

```



```

1433 DEFine PROCEDURE Flight(x,y)
1434 INK#ch,7
1435 FILL#ch,1:ARC#ch,x-4,y-4 TO x-4,y-1,-PI:LINE#ch TO x+7,y-4 TO x+4,y-5
1436 LINE#ch TO x+2,y-8 TO x-2,y-4 TO x-4,y-4: FILL#ch,0
1437 FILL#ch,1:LINE#ch,x+4,y-4 TO x+7,y TO x+6,y-5 TO x+4,y-4:FILL#ch,0
1438 INK#ch,0:ARC#ch,x-2,y-4 TO x+4,y-5,-PI/4
1439 END DEFine

```



```

1441 DEFine PROCEDURE ViewInfo(x,y)
1442 INK#3,7:CIRCLE#3,x,y,5,.6,PI/2
1443 CIRCLE#3,x,y,3:FILL#3,1:CIRCLE#3,x,y,.8:FILL#3,0
1444 END DEFine

```



```

1446 DEFine PROCEDURE REsearch(x,y)
1447 INK#ch,7:ARC#ch,x+2,y TO x+5,y+4,PI:LINE#ch,x,y+1 TO x+4,y+1:FILL#ch,1
1448 LINE#ch,x+2.5,y+2.5 TO x+6,y+5 TO x+5.5,y+5.5 TO x+2,y+3 TO x+2.5,y+2.5
1449 FILL#ch,0:LINE#ch,x+2,y-2.5 TO x+6,y-2.5 TO x+5,y-1 TO x+3,y-1 TO x+2,y-2.5
1450 END DEFine

```



```

1452 DEFine PROCEDURE WHO_Symbol(x,y)
1453 INK#ch,248:FILL#ch,1 :CIRCLE#ch,x,y,8,.6,PI/2:FILL#ch,0
1454 INK#ch,7:FILL#ch,0 :CIRCLE#ch,x,y,8,.6,PI/2:FILL#ch,0
1455 INK#ch,0:FILL#ch,1 :CIRCLE#ch,x,y,5 :FILL#ch,0
1456 INK#ch,7:FOR i=1 TO 3:CIRCLE#ch,x,y,5-i*1.5
1457 LINE#ch,x-4.5,y TO x+4.5,y:LINE#ch,x-3.5,y+3.5 TO x+3.5,y-3.5
1458 LINE#ch,x+3.5,y+3.5 TO x-3.5,y-3.5
1459 INK#ch,7:FILL#ch,1:CIRCLE#ch,x,y,5,.1,PI:CIRCLE#ch,x,y+4,.8:FILL#ch,0
1460 END DEFine

```



1462 REMark Maps

1464 DEFINE PROCEDURE Init_city

1465 RESTORE 1480:READ cm :REMark cm city max: c city number

1466 DIM city\$(cm,14),city(cm,7)

1467 FOR i=1 TO cm

1468 READ city\$(i) :REMark Name

1469 READ city(i,1),city(i,2) :REMark Grid x,y

1470 READ city(i,3) :REMark Population

1471 READ city(i,4),city(i,5),city(i,6) :REMark Connected Cities

1472 city(i,7)=0 :REMark Infection Rate

1473 END FOR i

1474 END DEFINE



1476 DEFINE PROCEDURE Draw_city

1477 FOR i=1 TO cm:City_HGL i,7,7

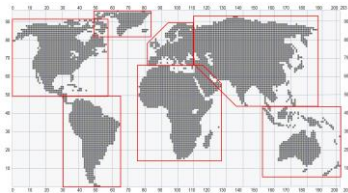
1478 END DEFINE

1480 DATA 48 :REMark City Info

1481 DATA 'San Francisco',14,66,460,2,3,47,	'Los Angeles',16,62,1310,1,4,10
1482 DATA 'Vancouver',17,75,240,1,5,6,	'Mexico City',26,51,2440,2,7,9
1483 DATA 'Chicago',33,74,800,3,10,12,	'Atlanta',36,62,560,5,6,13
1484 DATA 'Miami',36,57,610,4,9,10,	'Lima',36,32,1000,9,11,15
1485 DATA 'Bogota',40,42,980,4,7,8,	'Washington',40,66,620,5,6,13
1486 DATA 'Santiago',44,17,660,8,14,48,	'Montreal',45,73,410,5,13,18
1487 DATA 'New York',45,69,2370,10,12,16,	'Buenos Aires',54,16,1270,11,15,28
1488 DATA 'Sao Paulo',62,23,2120,8,14,17,	'Madrid',85,68,620,13,18,20
1489 DATA 'Lagos',88,44,1600,15,20,23,	'London',88,76,1380,12,19,22
1490 DATA 'Paris',90,73,1250,18,20,21,	'Algiers',92,65,500,16,17,19
1491 DATA 'Milan',96,70,820,19,24,25,	'Stockholm',98,81,140,18,21,24
1492 DATA 'Kinshasa',98,35,1430,17,28,29,	'St Petersburg',103,81,750,21,22,26
1493 DATA 'Istanbul',105,69,1480,21,27,31,	'Moscow',106,75,1790,19,24,41
1494 DATA 'Cairo',108,57,2040,25,29,32,	'Johannesburg',107,17,800,14,23,34
1495 DATA 'Khartum',111,50,520,23,27,32,	'Baghdad',115,63,870,27,30,33
1496 DATA 'Tehran',120,65,1600,25,26,30,	'Bahrain',121,56,170,29,30,33
1497 DATA 'Karachi',132,57,2750,32,34,35,	'Mumbai',136,51,2770,28,33,36
1498 DATA 'Delhi',138,57,2660,33,37,41,	'Chennai',140,45,1330,34,37,40
1499 DATA 'Kolkata',145,56,1410,35,36,38,	'Bankok',154,50,1450,37,39,42
1500 DATA 'Ho Chi Minh',158,47,1010,38,40,42,	'Jakarta',159,35,3020,36,38,48
1501 DATA 'Beijing',162,68,2490,26,35,44,	'Hong Kong',162,55,720,39,43,46
1502 DATA 'Shanghai',163,62,3400,42,44,45,	'Seoul',167,66,2560,41,43,47
1503 DATA 'Taiping',167,56,700,43,46,47,	'Manila',168,50,2270,42,45,48
1504 DATA 'Tokyo',174,66,3780,1,44,45,	'Sydney',182,14,500,11,40,46

1506 **DEFine PROCEDURE Init_map**

1507 RESTORE 1610:READ map:**Draw_map** :REMark Greenland
1508 RESTORE 1535:READ map:**Draw_map** :REMark America North
1509 RESTORE 1600:READ map:**Draw_map** :REMark Europe
1510 RESTORE 1562:READ map:**Draw_map** :REMark Asia
1511 RESTORE 1552:READ map:**Draw_map** :REMark America south
1512 RESTORE 1523:READ map:**Draw_map** :REMark Africa
1513 RESTORE 1585:READ map:**Draw_map** :REMark Australasia
1514 **END DEFine**



1516 **DEFine PROCEDURE Draw_map**

1517 FOR i=1 TO map
1518 READ x,y,n:FILL#1,1
1519 LINE#1,x,y TO x+n,y TO x+n,y-h TO x,y-h TO x,y:FILL#1,0
1520 END FOR i
1521 **END DEFine**

1523 DATA 68 :REMark **Africa**

1524 DATA 89,65,7, 85,64,11, 104,64,1, 109,64,1, 83,63,14, 82,62,17, 102,62,3
1525 DATA 82,61,24, 82,60,26, 103,60,7, 80,59,30, 79,58,32, 79,57,32, 78,56,34
1526 DATA 78,55,34, 77,54,36, 78,53,35, 78,52,36, 78,51,36, 77,50,38, 77,49,39
1527 DATA 78,48,39, 78,47,39, 120,47,2, 79,46,43, 80,45,42, 80,44,42, 82,43,7
1528 DATA 92,43,29, 94,42,27, 95,41,24, 95,40,23, 94,39,23, 94,38,21, 95,37,20
1529 DATA 96,36,19, 96,35,18, 97,34,17, 97,33,18, 97,32,18, 97,31,18, 97,30,18
1530 DATA 125,32,1, 97,29,18, 120,29,2, 96,28,19, 119,28,3, 96,27,18, 117,27,4
1531 DATA 96,26,16, 117,26,4, 97,25,15, 117,25,3, 97,24,14, 117,24,3, 98,23,14
1532 DATA 116,23,4, 98,22,14, 116,22,4, 98,21,13, 117,21,2, 98,20,12, 98,19,12
1533 DATA 99,18,11, 100,17,8, 100,16,7, 100,15,3, 104,15,1



1535 DATA 102 :REMark **America North**

1536 DATA 34,90,4, 41,90,1, 44,90,2, 47,90,2, 50,90,1, 52,90,1, 32,89,9
1537 DATA 46,89,1, 49,89,7, 13,88,9, 29,88,1, 34,88,8, 45,88,2, 51,88,7
1538 DATA 9,87,26, 36,87,2, 43,87,5, 49,87,2, 54,87,4, 10,86,40, 54,86,5
1539 DATA 6,85,40, 51,85,6, 7,84,37, 46,84,2, 53,84,4, 4,83,38, 50,83,2
1540 DATA 54,83,2, 4,82,7, 13,82,27, 49,82,3, 3,81,5, 16,81,23, 48,81,5
1541 DATA 55,81,1, 3,80,2, 6,80,1, 16,80,24, 48,80,8, 1,79,2, 16,79,26
1542 DATA 47,79,10, 17,78,27, 46,78,10, 17,77,27, 46,77,10, 17,76,38, 16,75,1
1543 DATA 18,75,32, 17,74,31, 50,74,2, 56,74,1, 16,73,20, 39,73,11, 55,73,3
1544 DATA 16,72,22, 41,72,12, 15,71,22, 38,71,1, 41,71,7, 50,71,2, 14,70,22
1545 DATA 37,70,10, 14,69,25, 40,69,6, 13,68,31, 13,67,30, 13,66,28, 13,65,28
1546 DATA 13,64,27, 15,63,24, 15,62,23, 15,61,1, 17,61,20, 15,60,1, 17,60,11
1547 DATA 36,60,2, 15,59,2, 18,59,9, 36,59,2, 16,58,1, 18,58,8, 36,58,2
1548 DATA 16,57,1, 19,57,7, 36,57,1, 17,56,1, 19,56,6, 20,55,5, 34,55,5
1549 DATA 20,54,6, 30,54,2, 38,54,2, 20,53,6, 29,53,3, 41,53,2, 21,52,10
1550 DATA 37,52,1, 40,52,3, 45,52,1, 23,51,8



1552 DATA 55 :REMark **America South**

1553 DATA 28,50,6, 29,49,5, 31,48,3, 32,47,2, 39,47,2, 42,47,2, 33,46,2
1554 DATA 35,46,1, 38,46,10, 36,45,14, 37,44,13, 37,43,17, 37,42,18
1555 DATA 37,41,18, 36,40,19, 35,39,21, 35,38,20, 56,38,3, 35,37,27, 35,36,28
1556 DATA 35,35,30, 36,34,30, 36,33,30, 37,32,28, 37,31,27, 38,30,26, 38,29,25
1557 DATA 39,28,24, 41,27,22, 42,26,21, 43,25,20, 43,24,19, 43,23,19, 43,22,16
1558 DATA 43,21,15, 43,20,15, 43,19,15, 43,18,14, 43,17,14, 43,16,13, 44,15,12
1559 DATA 44,14,9, 44,13,9, 44,12,7, 44,11,7, 44,10,5, 45,9,5, 46,8,4, 45,7,5
1560 DATA 46,6,5, 46,5,5, 53,4,1, 47,4,3, 47,3,3, 49,2,2, 50,1,4



1562 DATA 145 :REMark **Asia**
 1563 DATA 134,92,3, 130,91,11, 128,90,17, 146,90,2, 122,89,2, 125,89,26, 155,89,5
 1564 DATA 100,88,7, 122,88,45, 172,88,1, 106,87,4, 112,87,1, 115,87,63, 106,86,5
 1565 DATA 112,86,71, 106,85,2, 109,85,72, 182,85,3, 106,84,75, 106,83,76, 106,82,66
 1566 DATA 175,82,5, 106,81,63, 175,81,2, 175,81,2, 106,80,62, 175,80,3, 106,79,61
 1567 DATA 175,79,4, 106,78,61, 176,78,3, 106,77,64, 177,77,2, 106,76,63, 170,76,1
 1568 DATA 178,76,1, 106,75,64, 171,75,1, 106,74,65, 172,74,1, 106,73,65, 172,73,1
 1569 DATA 106,72,1, 108,72,2, 112,72,6, 120,72,51, 106,71,1, 109,71,1, 111,71,6
 1570 DATA 121,71,49, 173,71,1, 113,70,5, 121,70,49, 173,70,3, 108,69,2, 114,69,5
 1571 DATA 122,69,46, 173,69,1, 106,68,13, 121,68,47, 175,68,1, 106,67,13, 122,67,40
 1572 DATA 166,67,2, 174,67,1, 107,66,14, 122,66,43, 167,66,2, 174,66,2, 112,65,53
 1573 DATA 167,65,3, 173,65,3, 112,64,53, 168,64,1, 171,64,4, 111,63,54, 171,63,2
 1574 DATA 111,62,54, 171,62,1, 111,61,55, 111,60,9, 121,60,45, 111,59,9, 122,59,44
 1575 DATA 112,58,9, 125,58,41, 113,57,9, 124,57,1, 132,57,34, 167,57,1, 113,56,13
 1576 DATA 133,56,32, 166,56,2, 114,55,12, 133,55,30, 166,55,1, 114,54,13, 134,54,1
 1577 DATA 136,54,9, 148,54,10, 115,53,11, 136,53,8, 149,53,9, 116,52,9, 136,52,7
 1578 DATA 150,52,8, 160,52,1, 167,52,1, 116,51,7, 136,51,6, 150,51,9, 167,51,2
 1579 DATA 117,50,5, 137,50,4, 152,50,8, 167,50,2, 117,49,3, 137,49,4, 153,49,7
 1580 DATA 168,49,2, 138,48,3, 153,48,1, 155,48,6, 168,48,1, 138,47,3, 153,47,1
 1581 DATA 155,47,4, 167,47,1, 169,47,1, 139,46,2, 153,46,1, 157,46,2, 166,46,1
 1582 DATA 169,46,1, 171,46,1, 139,45,1, 141,45,1, 153,45,1, 169,45,3, 141,44,2
 1583 DATA 154,44,2, 170,44,2, 155,43,2, 155,42,2, 156,41,1



1585 DATA 91 :REMark **Australasia**
 1586 DATA 165,43,2, 152,42,2, 164,42,3, 153,41,2, 163,41,3, 154,40,2, 161,40,6
 1587 DATA 168,40,2, 171,40,1, 173,40,1, 154,39,3, 161,39,6, 168,39,1, 170,39,1
 1588 DATA 173,39,1, 155,38,3, 161,38,5, 167,38,3, 175,38,2, 155,37,4, 162,37,4
 1589 DATA 167,37,3, 173,37,1, 176,37,2, 180,37,3, 189,37,1, 156,36,3, 167,36,1
 1590 DATA 169,36,1, 177,36,7, 190,36,1, 157,35,2, 167,35,1, 179,35,7, 187,35,2
 1591 DATA 191,35,1, 158,34,5, 180,34,6, 191,34,2, 161,33,4, 166,33,1, 168,33,1
 1592 DATA 171,33,1, 180,33,4, 185,33,2, 193,33,2, 167,32,1, 170,32,1, 186,32,1
 1593 DATA 194,32,2, 195,31,1, 175,30,3, 182,30,1, 174,29,4, 181,29,3, 170,28,8
 1594 DATA 181,28,3, 169,27,10, 181,27,3, 168,26,16, 166,25,18, 196,25,1, 164,24,21
 1595 DATA 196,24,1, 163,23,23, 197,23,1, 162,22,24, 162,21,25, 162,20,25, 162,19,25
 1596 DATA 162,18,25, 162,17,24, 162,16,9, 172,16,14, 161,15,6, 173,15,12, 161,14,3
 1597 DATA 175,14,8, 176,13,6, 198,13,1, 176,12,6, 198,12,1, 178,11,1, 197,11,3
 1598 DATA 196,10,2, 178,9,2, 194,9,1, 177,8,2, 192,8,2, 190,7,3, 188,6,2



1600 DATA 52 :REMark **Europe**
 1601 DATA 100,88,6, 98,87,8, 97,86,9, 96,85,5, 102,85,4, 95,84,5, 101,84,5
 1602 DATA 93,83,6, 101,83,5, 93,82,7, 101,82,5, 93,81,7, 103,81,3, 96,80,3, 101,80,5
 1603 DATA 86,80,1, 87,79,1, 94,79,1, 96,79,2, 101,79,5, 85,78,4, 94,78,2, 98,78,8
 1604 DATA 84,77,2, 87,77,3, 93,77,13, 84,76,2, 87,76,3, 91,76,15, 87,75,1
 1605 DATA 90,75,16, 88,74,18, 87,73,19, 88,72,18, 88,71,18, 84,70,7
 1606 DATA 95,70,3, 99,70,7, 84,69,7, 94,69,1, 97,69,1, 100,69,6, 83,68,6
 1607 DATA 94,68,1, 98,68,1, 101,68,2, 83,67,6, 98,67,2
 1608 DATA 101,67,2, 83,66,5, 97,66,2, 102,66,2



1610 DATA 23 :REMark **Greenland**
 1611 DATA 64,95,1, 79,95,2, 52,94,2, 56,94,8, 65,94,20, 51,93,2, 55,93,5
 1612 DATA 62,93,21, 52,92,5, 60,92,22, 50,91,5, 64,91,17, 65,90,15, 65,89,15
 1613 DATA 66,88,13, 65,87,12, 64,86,9, 64,85,6, 79,85,4, 64,84,5, 79,84,3
 1614 DATA 64,83,4, 64,82,2



1616 REMark Init Game

1618 DEFine PROCEDURE Init_win

```

1619 OPEN#4,scr_10x10a10x10:OPEN#3,scr_10x10a10x10:h=.5
1620 WINDOW#4,512,256,gx,gy :PAPER#4,0:CLS#4
1621 WINDOW#3,280,42,gx+116,gy+183:PAPER#3,0:SCALE#3,26,0,0:BORDER#3,1,5
1622 WINDOW#2,508,226,gx+2,gy+1 :PAPER#2,0:SCALE#2,130,0,0:BORDER#2,1,3
1623 WINDOW#1,456,162,gx+28,gy+22 :PAPER#1,1
1624 WINDOW#0,508,dy,gx+2,gy+228 :PAPER#0,0:CLS#0:BORDER#0,1,3
1625 END DEFine

```

1627 DEFine PROCEDURE QBITS_Title

```

1628 CURSOR#2,10,10 :CSIZE#2,2,1:OVER#2,1
1629 INK#2,7:FOR i=0 TO 1:CURSOR#2,166+i,2:PRINT#2,'QBITS Pandemic'
1630 INK#2,2:FOR i=2 TO 3:CURSOR#2,166+i,3:PRINT#2,'QBITS Pandemic'
1631 CSIZE#2,0,0:OVER#2,0:INK#2,7
1632 END DEFine

```



QBITS Pandemic

1634 DEFine PROCEDURE Game_screen

```

1635 CLS#3:PAPER#2,1
1636 FOR i=0 TO 8:BLOCK#2,14,224, 0+i*12,0,1:BLOCK#2,14,224,490-i*12,0,1:PAUSE 2
1637 FOR i=1 TO 8:BLOCK#2,18,180,92+i*18,0,1:BLOCK#2,18,180,394-i*18,0,1:PAUSE 2
1638 QBITS_Title:INK#1,4:SCALE#1,96,0,0:m=.5:Init_map:Draw_city
1639 Draw_OB:Draw_Stat:Draw_IR:ch=2:WHO_Symbol 53,122:INK#2,5
1640 CURSOR#2, 4, 5:PRINT#2,'WHO Headquarters'
1641 CURSOR#2,400, 5:PRINT#2,'Deaths Cases':Skull 162,123
1642 CURSOR#2,166,168:PRINT#2,'Popu: R: Area:'
1643 CURSOR#2, 42,174:PRINT#2,'MED Centre' :MEDCamp 6,30
1644 CURSOR#2,400,174:PRINT#2,'SPECIALIST' :RESearch 206,27
1645 END DEFine

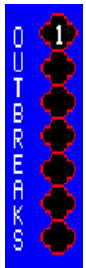
```

1647 DEFine PROCEDURE Draw_OB

```

1648 ob$='OUTBREAKS':ob=1:x=12:a=1.9:INK#2,7
1649 FOR i=1 TO 9:CURSOR#2,4,50+i*9:PRINT#2,ob$(i)
1650 FOR i=1 TO 7
1651 y=45+i*7:INK#2,0:FILL#2,1
1652 ARC#2,x-a,y+a TO x+a,y+a,-PI TO x-a,y-a,-PI TO x-a,y+a,-PI
1653 FILL#2,0:INK#2,2
1654 ARC#2,x-a,y+a TO x+a,y+a,-PI TO x+a,y-a,-PI TO x-a,y-a,-PI TO x-a,y+a,-PI
1655 END FOR i
1656 INK#2,7:OVER#2,1:CURSOR#2,x,y,-3,-4:PRINT#2,'1':OVER#2,0
1657 END DEFine

```



1659 DEFine PROCEDURE Draw_Stat

```

1660 x1=194:x2=215:y1=98:y2=90:INK#2,7:CURSOR#2,464,71:PRINT#2,'STATUS'
1661 FILL#2,1:INK#2,0:LINE#2,x1,y1 TO x2,y1 TO x2,y2 TO x1,y2 TO x1,y1
1662 FILL#2,0:INK#2,2:LINE#2,x1,y1 TO x2,y1 TO x2,y2 TO x1,y2 TO x1,y1
1663 END DEFine

```




```

1665 DEFine PROCEDURE Draw_IR
1666 INK#2,7:CURSOR#2,446,96:PRINT#2,'INFECTION'
1667 CURSOR#2,447,104:PRINT#2,'RATE':x=210:y=64:INK#2,0
1668 FILL#2,1:CIRCLE#2,x,y+2,2.5 :FILL#2,0
1669 FILL#2,1:CIRCLE#2,x-2.5,y-2,2.5:FILL#2,0
1670 FILL#2,1:CIRCLE#2,x+2.5,y-2,2.5:FILL#2,0 :INK#2,2
1671 CIRCLE#2,x-2.5,y-2,2.5:CIRCLE#2,x,y+2,2.5:CIRCLE#2,x+2.5,y-2,2.5
1672 FILL#2,1:INK#2,0:CIRCLE#2,x,y,2:FILL#2,0
1673 END DEFine

```



```

1675 DEFine PROCEDURE Game_reset
1676 LOCAL w,x,y:RESTORE 1677:FOR i=1 TO 7:READ w,x,y:BLOCK#2,w,10,x,y,1
1677 DATA 48,4,16,36,400,16,36,460,16,30,198,168,6,252,168,84,300,168
1678 STRIP#2,0:ob=1 :REMark Outbreaks
1679 STRIP#2,0:FOR i=2 TO 7:CURSOR#2,12,101-i*7,-3,-4:PRINT#2,' '
1680 rate=2:INK#2,7:CURSOR#2,210,64,-3,-4:PRINT#2,rate :REMark Infections
1681 STRIP#2,1:BLOCK#2,110,42,0,182,1:BLOCK#2,110,42,394,182,1
1682 CLS#3:INK#3,7:BLOCK#2,44,11,454,57,0 :REMark Status
1683 Draw_city:City_Shuffle:dc=0:ac=0:vn=1 :REMark Deaths Cases
1684 CURSOR#3,40,6:PRINT#3,'WHO Announce New Global Pandemic'
1685 FOR i=1 TO 4:Infect virus(i),1:Infect virus(i+4),2:Infect virus(i+8),3
1686 Init_MEDCtr:Init_Roles:INK#3,5
1687 CURSOR#3,4,1:PRINT#3,'Event: Action: ¼ ½ (h)':BLOCK#3,10,3,120,5,5
1688 ch=3:Flight 7,9:Vaccine 22,6,6:MEDCamp 36,6,5:RESearch 48,4
1689 Rate_HGL cn:Copter 79,5,9:AVirus 2,95,5:ViewInfo 109,6 :REMark Activities
1690 END DEFine

```

```

1692 DEFine PROCEDURE Init_MEDCtr
1693 DIM MEDCtr(5):RESTORE 1705:INK#3,7:CLS#3
1694 CURSOR#3,40, 6:PRINT#3,'Select WHO HQ & Specialists Team'
1695 CURSOR#3,26,22:PRINT#3,'(N)ew York (L)ondon (D)elhi (B)eijing'
1696 k=CODE(INKEY$(-1)):CLS#3:INK#2,7
1697 SElect ON k
1698 =66,98:cn=41
1699 =68,100:cn=35
1700 =78,110:cn=13
1701 =REMAINDER :cn=18
1702 END SElect
1703 CURSOR#2,4,16:PRINT#2,city$(cn)&FILL$(" ",8-LEN(city$(cn)))
1704 FOR i=1 TO 4:READ MEDCtr(i):MED_HGL 5,i
1705 DATA 13,18,35,41 :MEDCtr(5)=cn
1706 END DEFine

```

```

1708 DEFine PROCEDURE Init_Roles
1709 DIM Team$(8,11),Team(8,2),Role(8):RESTORE 1715:ch=2:INK#ch,5
1710 FOR i=1 TO 8:READ t$:Team$(i)=t$:Team(i,2)=0:Role(i)=i
1711 FOR t=8 TO 3 STEP -1
1712 ran=RND(1 TO t-1):temp=Role(t):Role(t)=Role(ran):Role(ran)=temp
1713 END FOR t
1714 INK#2,3:FOR i=1 TO 4:Role_HGL 5,i:Team(i,1)=cn
1715 DATA 'Operations ','Planner ','Dispatcher ','Researcher '
1716 DATA 'Scientist ','Doctor ','Field Medic','Quarantine '
1717 END DEFine

```

1719 DEFine PROCedure Init_Info

```

1720 DIM Info$(8,42):RESTORE 1721:FOR i=1 TO 8:READ Info$(i)
1721 DATA 'MED Centre - Relocate to any City (R:>0)' :REMark Operations
1722 DATA 'R: rate - Reduce with a Free Turn' :REMark Planner
1723 DATA 'Flight - Extended to any City' :REMark Dispatcher
1724 DATA 'Release Vaccine - with one less Credit' :REMark Researcher
1725 DATA 'Banking Research Credits - Gain extra Turn' :REMark Scientist
1726 DATA 'Vaccine Release - Can be from any City' :REMark Doctor
1727 DATA 'Vaccine Delivery - Extended to any City' :REMark Field Medic
1728 DATA 'R: rate - reduced to Zero on entering City' :REMark Quarantine
1729 END DEFine

```

MED Centre - Relocate to any City (R:>0)
(1)Sao Paulo (2)Montreal (3)London (4)Washington

1731 REMark Game Introduction

1733 DEFine PROCedure Intro_Pandemic

```

1734 LOCAL mx,m$:ch=2:BLOCK#2,504,181,0,0,0
1735 BLOCK#2,112,50,0,174,0:BLOCK#2,112,50,392,174,0
1736 QBITS_Title:STRIP#2,0:INK#2,5:RESTORE 1741
1737 FOR i=1 TO 4:PAUSE 5:READ mx,m$:CURSOR#2,mx,20+i*10:PRINT#2,m$
1738 PAUSE 5:SCALE#1,180,-80,-20:m=1:INK#1,2:Init_map:WHO_Symbol 34,121
1739 WHO_Symbol 180,121:ch=2:Intro_Roles:MEDCamp 66,32:MEDCamp 148,32
1740 RESearch 14,16:Copter 34,20:Vaccine 182,15:AVirus 2,196,15
1741 DATA 60,' As Chief Medical Advisor to WHO the World Health Organisation'
1742 DATA 60,'a team of Specialists are assembled to help you fight a new and'
1743 DATA 60,'Deadly Virus. Your aim is to Contain the Outbreak, Find a Cure,'
1744 DATA 96,'Vaccinate the Population and Eradicate the Disease.'
1745 END DEFine

```

1747 DEFine PROCedure Intro_Roles

```

1748 LOCAL x,y,s,c,r:ch=2:RESTORE 1754
1749 INK#2,5:CURSOR#ch,208,166:PRINT#2,'WHO Specialists'
1750 FOR i=1 TO 8
1751 READ x,y,s :Specialist 2,x,y,s:PAUSE 5
1752 READ c,r,$:INK#2,5:CURSOR#2,c,r:PRINT#2,r$
1753 END FOR i
1754 DATA 12,75,4,48,90,'Researcher', 204,75,8,392,90,'Quarantine'
1755 DATA 24,65,3,70,108,'Dispatcher', 192,65,7,366,108,'Field Medic'
1756 DATA 36,55,2,24,144,'Planner', 180,55,6,440,144,'Doctor'
1757 DATA 48,45,1,36,160,'Operations', 168,45,5,412,164,'Scientist'
1758 END DEFine

```



1760 REMark League Table

WHO	Team	League	Table
	Score:	0	Name: ?
	Score:	0	Name: ?
	Score:	0	Name: ?

1762 DEFine PROCEDURE Init_League

1763 DIM SName\$(3,12),HScr\$(3,5):LLoad

1764 END DEFine

1766 DEFine PROCEDURE LReset

1767 FOR a=1 TO 3:SName\$(a)='?':HScr\$(a)=0:LSave

1768 END DEFine

1770 DEFine PROCEDURE HighScore

1771 FOR a=1 TO 3

1772 IF score%>HScr\$(a)

1773 HScr\$(a)=score%:LTable:LName:LTable:EXIT a

1774 END IF

1775 END FOR a

1776 END DEFine

1778 DEFine PROCEDURE LTable

1779 CSize#3,2,0:OVER#3,1:INK#3,7:CLS#3

1780 CURSOR#3,12,0:PRINT#3,'WHO Team League Table'

1781 CSize#3,0,0:OVER#3,0:ch=3:WHO_Symbol 15,12:INK#3,5

1782 FOR i=1 TO 3

1783 CURSOR#3, 62,i*10:PRINT#3,'Score: ':CURSOR#3,160,i*10:PRINT#3,'Name: '

1784 INK#3,7:CURSOR#3,104,i*10:PRINT#3,FILL\$(' ',6-LEN(HScr\$(i)))&HScr\$(i)

1785 CURSOR#3,196,i*10:PRINT#3,SName\$(i):INK#3,5

1786 END FOR i

1787 END DEFine

1789 DEFine PROCEDURE LName

1790 OPEN#9,con_10x10a10x10_12:WINDOW#9,72,10,314+gx,184+gy+a*10

1791 PAPER#9,0:CLS#9:INK#9,7:INPUT#9,SName\$(a):CLOSE#9:LSave

1792 END DEFine

1794 DEFine PROCEDURE LSave

1795 DELETE Drv\$&'QBPanLT':OPEN_NEW#99,Drv\$&'QBPanLT'

1796 FOR i=1 TO 3:PRINT#99,SName\$(i)\HScr\$(i)

1797 CLOSE#99

1798 END DEFine

1800 DEFine PROCEDURE LLoad

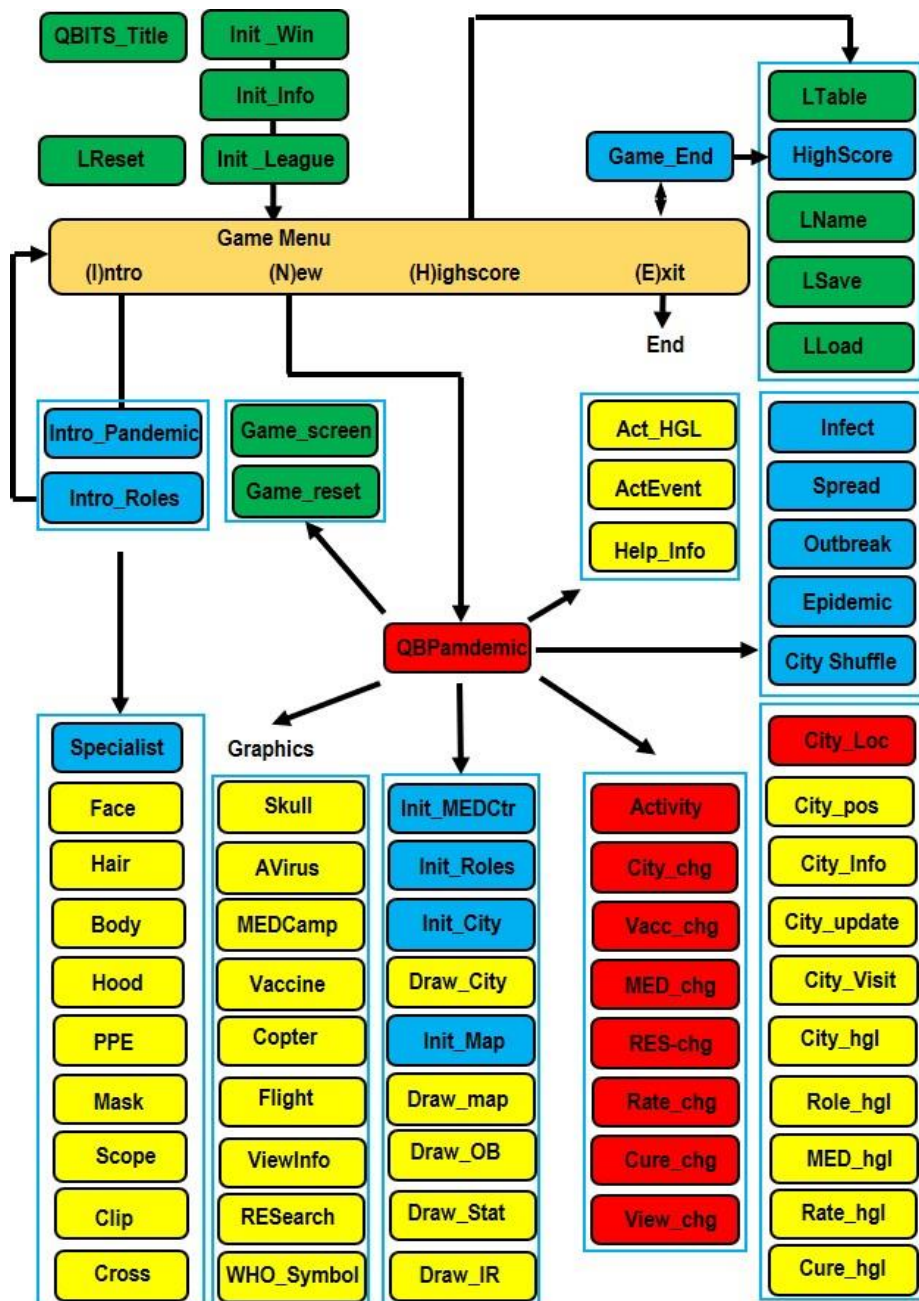
1801 OPEN_IN#99,Drv\$&'QBPanLT'

1802 FOR i=1 TO 3:INPUT#99,SName\$(i)\HScr\$(i)

1803 CLOSE#99

1804 END DEFine

QBITS Pandemic Procedures





QBITS Pandemic



As Chief Medical Advisor to WHO the World Health Organisation a team of Specialists are assembled to help you fight a new and Deadly Virus. Your aim is to Contain the Outbreak, Find a Cure, Vaccinate the Population and Eradicate the Disease.



Researcher

Dispatcher



Planner

Operations



Operations

Operations



WHO Specialists

Quarantine

Field Medic



Doctor



Scientist



QBITS Pandemic
(I)ntro (N)ew (H)ighScore (E)xit



QL2K emulator

WHO Headquarters
Beijing



QBITS Pandemic



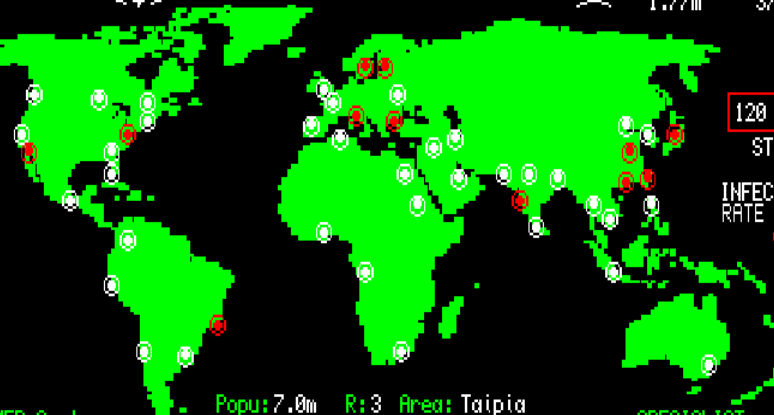
Deaths

1.77m

Cases

37.2m

OUTBREAKS



120 12
STATUS

INFECTION
RATE

2



MED Centre
New York
London
Delhi
Beijing

Popu: 7.0m R: 3 Area: Taipia

Event: 2 Action: 4 + - +

Beijing



SPECIALIST
Scientist 0
Dispatcher 0
Planner 0
Doctor 0



