

## Notes on the back story of this document and its Contents

After owning the awesome **HP-25** and writing many programs for it (see a selection in [HP Program VA250 - HP-25 40 selected vintage programs \(Album Anillas\).pdf](#)) and then replacing it with the much more capable **HP-67**, for which I also wrote many complex programs (see a selection in [HP Program VA670 - HP-67 Programs \(Cuaderno ICAI\).pdf](#)), I was pretty satisfied with my *HP* calculators but then the **HP-41C** entered the scene and I knew I had to get it no matter what.

However, unlike the quantum leap in capabilities from the **HP-25** to the **HP-67**, the **HP-41C** wasn't that impressive at all. Instead of an elegant, sturdy body you got a flimsy, plasticky one which seemed all too feeble in comparison. Also, there was no built-in card reader, the body was truncated (not rounded) where the reader should be and you had to pay a hefty price for the add-on. Further, it ate batteries like mad and they weren't rechargeable but expensive, hard-to-get *N*-size ones which didn't last long, so merrily using the *41C* was a costly affair and, to add insult to injury, no AC adapter was provided. *OTOH*, my **HP-67** could run for days on AC if needed, at negligible cost.

Add to that the *LCD* display, which couldn't be used in low light or at night, with ungainly segments where nice bright *LED* digits used to be, and also that the plain **HP-41C** came with such little *RAM* that long **HP-67** programs *wouldn't fit* (!! ) and there you are, it made for a less than overwhelming experience. But then again, the *Continuous Memory* and the exciting alphanumeric capability more than made for it: at long last, no keycodes; and the plug-in modules were also a fantastic plus, if expensive. Come to that, *everything* was expensive but now I could use 319 registers instead of being stuck with 26, and could also plug in a printer and many exciting peripherals. And *2x faster* !

In short, I sold my beloved **HP-67** with a heavy heart, a decision I regret to this day, but unavoidable as otherwise I wouldn't have the money to buy the **HP-41C**. However, I never liked it the same way I liked the **HP-67** and actually sold it twice. Nowadays I own a *NIB* **HP-41CX** fitted with card reader, **PPC ROM**, *Advantage ROM* and two **Extended Memory** modules, but have never used it.

That said, and as was the case with my **HP-25** and **HP-67**, I wrote many increasingly complex programs for my new **HP-41C** but after 40+ years have elapsed many of them are now *missing*. I never got to list and document them in paper form but I *did* print the raw *listings* for about **70** of them. Also, I thoroughly documented some of the best for submittal to **PPC CJ, Melbourne Chapter Technical Notes** and/or the **US** and **Europe Users' Libraries** for their eventual publication.

Fortunately, I recently located those ancient listings to upload them to my web site as part of my **Project HAM**, but after 40+ years many bits here and there had *faded*, making it difficult or impossible to correctly read and key-in the programs from the listings, so I've spent lots of time carefully restoring each listing by hand, to the point that now they are adequately human-readable and *keyable without errors*, and hopefully their *OCR'd* versions won't have many either.

The contents here include the listings, a very brief description, *and nothing else*: no documentation, no examples, *just the raw listings* proper. I know it's not ideal but it'll have to do for now and at least they can be keyed in and used. However, for those programs which I *did* document for publication, [I'm including here \(immediately after each of them,\) the link\(s\) to the relevant PDF files where its full documentation & examples can be found](#), and I intend to add more links in the future when additional documentation is uploaded.

I'm also including the page numbers in the document [HP Program VA441 - HP-41C Cuaderno Centauro.pdf](#) where the *draft handwritten Spanish documentation* can be found for some of them.

## HP-41C Raw Listings: (~ 70 programs, 29 pages)

		<u>Page</u>
"O2"	<i>Othello</i> 2 board game	01
<p><a href="https://albillo.hpcalc.org/letters/HP%20Letter%201981-04-10%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%200070401-09.pdf">https://albillo.hpcalc.org/letters/HP%20Letter%201981-04-10%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%200070401-09.pdf</a></p>		
"MCHESS"	<i>Mini-Chess</i> 5x5 board game	02
"P"	board printing routine	
"5"	printer status routine	
<p><a href="https://albillo.hpcalc.org/programs/HP%20Program%20VA427%20-%20UPL%20PS%20-%20HP-41C%20Chess%205x5%20(inc%20barcode).pdf">https://albillo.hpcalc.org/programs/HP%20Program%20VA427%20-%20UPL%20PS%20-%20HP-41C%20Chess%205x5%20(inc%20barcode).pdf</a></p>		
<p><a href="https://albillo.hpcalc.org/letters/HP%20Letter%201981-06-13%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070414.pdf">https://albillo.hpcalc.org/letters/HP%20Letter%201981-06-13%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070414.pdf</a></p>		
"W"	a word game	03
<p><a href="https://albillo.hpcalc.org/letters/HP%20Letter%201980-09-01%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070532.pdf">https://albillo.hpcalc.org/letters/HP%20Letter%201980-09-01%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070532.pdf</a></p>		
"DICE"	<i>Graphic Dice</i> , version without using synthetics	03
"\$"	accumulates the graphic dice in the print buffer	
<p><a href="https://albillo.hpcalc.org/programs/HP%20Program%20VA414%20-%20HP-41C%20Dice%20Rolling%20with%20Graphics.pdf">https://albillo.hpcalc.org/programs/HP%20Program%20VA414%20-%20HP-41C%20Dice%20Rolling%20with%20Graphics.pdf</a></p>		
<p><a href="https://albillo.hpcalc.org/letters/HP%20Letter%201980-10-16%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%200070571-72.pdf">https://albillo.hpcalc.org/letters/HP%20Letter%201980-10-16%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%200070571-72.pdf</a></p>		
"KA"	<i>Key Assignments</i> program (by John McGechie)	04
"KC"	internal routine	
<p><b>"P&lt;&gt;SC"</b> HP-67/97's exchange <i>Primary</i> and <i>Secondary</i> registers (<b>P&lt;&gt;S</b>)</p>		
<p>without card reader's <b>7P&lt;&gt;S</b></p>		
<p><a href="https://albillo.hpcalc.org/letters/HP%20Letter%201980-06-30%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070501-02.pdf">https://albillo.hpcalc.org/letters/HP%20Letter%201980-06-30%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070501-02.pdf</a></p>		

**"FR"** *Flags Reset*, resets all flags to their default status

**04**

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-07-10%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%20070503-07.pdf>

**"AN"** *unknown*

**04**

**"B3"** simulates *Bug 3*

**04**

***Black Box New Version:***

**04**

**"U"** *Unbuild* feature

**"R"** *Rebuild* feature

**"S"** Another feature

**"W"** Another feature

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-07-20%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%20070512-18.pdf>

**"b2"** simulates *Bug 2* (by John McGechie)

**04**

**"JB"** Eigenvalues of an NxN real symmetric matrix by *Jacobi's Method*

**05**

<https://albillo.hpcalc.org/programs/HP%20Program%20VA420%20-%20HP-41C%20Eigenvalues%20of%20Symmetric%20Matrices%20-%20Jacobi.pdf>

**"DBD"** *Days Between Dates*, etc.

**05-06**

**"BIO"** *Biorythms*, includes printing the graph

**06**

***HP-67/97 compatibility functions emulation without card reader:***

**07**

**"DSZI"** emulates HP-67/97's **DSZI** without card reader (**7DSZI**)

**"ISZI"** emulates HP-67/97's **ISZI** without card reader (**7ISZI**)

**"DSZ"** emulates HP-67/97's **DSZ** without card reader (**7DSZ**)

**"ISZ"** emulates HP-67/97's **ISZ** without card reader (**7ISZ**)

**"P<>SC"** emulates HP-67/97's exchange *Primary-Secondary* registers  
without card reader (**7P<>S**)

**"FIX"** emulates HP-67/97's **FIX** without card reader (**7FIX**)

<b>"SCI"</b>	emulates HP-67/97's <b>SCI</b> without card reader ( <b>7SCI</b> )
<b>"ENG"</b>	emulates HP-67/97's <b>ENG</b> without card reader ( <b>7ENG</b> )
<b>"CLREG"</b>	emulates HP-67/97's <b>CLREG</b> without card reader
<b>"RCLΣ"</b>	emulates HP-67/97's <b>RCLΣ</b> without card reader

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-06-30%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%20070501-02.pdf>

<b>"α"</b>	accumulates a graphic die into the print buffer, uses synthetics	07
<b>"S"</b>	<i>Stars</i> , a guessing game	07
<b>"RR"</b>	<i>Russian Roulette</i> game	07

#### ***NxN Matrix operations:*** 08

<b>"MR"</b>	matrix read from card(s)
<b>"MW"</b>	matrix write to card(s)
<b>"M+"</b>	matrix addition
<b>"M−"</b>	matrix subtraction
<b>"A&lt;&gt;B"</b>	matrix swap
<b>"KM"</b>	matrix-scalar multiplication
<b>"MI"</b>	matrix input
<b>"MO"</b>	matrix output
<b>"M*</b>	matrix multiplication
<b>"M/"</b>	matrix division
<b>"M^"</b>	matrix duplication ( <b>ENTER</b> )

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-10-16%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%20070571-72.pdf>

<b>"3D-PLOT"</b>	<i>pseudo-3D</i> plot of a user-defined function	08
	ditto, plus 5 worked examples	09

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-10-16%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%20070571-72.pdf>

<b>"IF"</b>	numeric integration using 3-point <i>Gauss-Seidel</i> formula	10
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"**IP**" ditto, callable as a subroutine (no prompts)

<https://albillo.hpcalc.org/programs/HP%20Program%20VA413%20-%20HP-41C%203-point%20Gaussian%20Integration.pdf>

Also documented in **HP Program VA441 - HP-41C Cuaderno Centauro.pdf**, pp02-03 (in Spanish)

"**ID**" numerically computes double integrals, calls "**IP**" as a subroutine 10

Documented in **HP Program VA441 - HP-41C Cuaderno Centauro.pdf**, p04 (in Spanish)

*Lengths of arc, areas, volumes, etc. (calls "**IP**"):* 10

" <b>LP</b> "	arc length in polar coordinates
" <b>3</b> "	auxiliary routine
" <b>LR</b> "	arc length in rectangular coordinates
" <b>2</b> "	auxiliary routine
" <b>AG</b> "	area of a solid of revolution
" <b>4</b> "	auxiliary routine
" <b>VR</b> "	volume of a solid of revolution
" <b>1</b> "	auxiliary routine
" <b>AP</b> "	area in polar coordinates
" <b>AR</b> "	area in rectangular coordinates
" <b>0</b> "	auxiliary routine
" <b>DY</b> "	derivative at a given point

Documented in **HP Program VA441 - HP-41C Cuaderno Centauro.pdf**, pp05-07 (in Spanish)

"**II**" perhaps integration from *a* to *Infinity*, calls "**IP**" as a subroutine 10

"**W**" generates 8-letter random words like cvcvccv (e.g.: CAFETERA) 10

"**R**" *unknown*, possibly some number guessing game 10

"**AJA**" automatic data fit to best of LIN/LOG/EXP/POW models 11

Documented in **HP Program VA441 - HP-41C Cuaderno Centauro.pdf**, pp11-13 (in Spanish)

"**RF**" root-finder applied to some  $f(x)=0$  equation defined by the user 11

**"RP"** ditto, callable as a subroutine (no prompts)

<https://albillo.hpcalc.org/programs/HP%20Program%20VA411%20-%20HP-41C%20Finding%20Roots%20of%20Equations.pdf>

Also documented in **HP Program VA441 - HP-41C Cuaderno Centauro.pdf**, p14 (in Spanish)

**"RP"** Roots of an Nth-degree Polynomial with real and/or complex coefficients 11

(Note: LBL 03 multiplies two complex numbers in the stack using only  
the stack and no trigs, for speed and accuracy)

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-09-27%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%200070588-90.pdf>

**"CHKERS"** Checkers board game, user vs. HP-41

12

**"P"** prints the board

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-12-12%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%200070549-55.pdf>

**"MLR"** Multi-variable linear regression or Nth-degree polynomial regression 13

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-12-12%20-%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%200070549-55.pdf>

**"OTHELLO"** Othello (Reversi) board game, user vs. HP-41, prints the board 14

[https://albillo.hpcalc.org/programs/HP%20Program%20VA428%20-%20UPL%20PS%20-%20HP-41C%20-%20Othello%20\(00903C\).pdf](https://albillo.hpcalc.org/programs/HP%20Program%20VA428%20-%20UPL%20PS%20-%20HP-41C%20-%20Othello%20(00903C).pdf)

[https://albillo.hpcalc.org/programs/HP%20Program%20VA426%20-%20UPL%20Program%20Submitta1%20-%20HP-41C%20Reversi%20\(11019\).pdf](https://albillo.hpcalc.org/programs/HP%20Program%20VA426%20-%20UPL%20Program%20Submitta1%20-%20HP-41C%20Reversi%20(11019).pdf)

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-08-01%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070556-58.pdf>

**"KLINGON"** Klingon Capture game, user vs. HP-41 (unknown author) 15

**"DT"** Display Test 15

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-07-20%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%200070512-18.pdf>

" <b>CSTO</b> "	Complex Store
" <b>CRCL</b> "	Complex Recall
" <b>ENT</b> "	Complex <b>ENTER</b>
" <b>IN</b> "	Complex Input
" <b>CLSTX</b> "	Complex <b>LASTX</b>
" <b>CRDN</b> "	Complex Roll Down
" <b>CX&lt;&gt;Y</b> "	Complex <b>X&lt;&gt;Y</b>
" <b>CCLX</b> "	Complex <b>CLX</b>
" <b>CCHS</b> "	Complex <b>CHS</b>
" <b>CC</b> "	Complex Conjugate
" <b>C/</b> "	Complex Division
" <b>C*</b> "	Complex Multiplication
" <b>C-</b> "	Complex Subtraction
" <b>C+</b> "	Complex Addition
" <b>CP-R</b> "	Complex Polar to Rectangular
" <b>CR-P</b> "	Complex Rectangular to Polar
" <b>CY^X</b> "	Complex <b>Y^X</b>
" <b>C1/X</b> "	Complex Reciprocal
" <b>CSQRT</b> "	Complex Square Root
" <b>CX^2</b> "	Complex Square
" <b>CE^X</b> "	Complex Exponential
" <b>CLN</b> "	Complex Logarithm (base <i>e</i> )
" <b>ARC</b> "	<i>Arc</i> Prefix
" <b>HYP</b> "	<i>Hyperbolic</i> Prefix
" <b>CSIN</b> "	Complex Sin
" <b>CCOS</b> "	Complex Cos
" <b>CTAN</b> "	Complex Tan

"EA"

"DW"

"PR"

"EP"

"PE"

"CD" Cursor Down

"CU" Cursor Up

"CR" Cursor Right

"CL" Cursor Left

"SH"

17

"KR"

17

USER KEYS : assignments for the word processor program

17

ENE 1977 . . output of some calendar program for 1977

17

"PLOTAR" plots an user-defined function with pixel resolution (unknown author) 18

"\$" ... ", " second part of the above word processor program, "WP" 18

*Casino Roulette program v1.0:*

19

"EMPEZAR" Begin

"CERRAR" Close

"CAMBIAR" Change

"ROJO" Red

"NEGRO" Black

"INFORMA" Information

<https://albillo.hpcalc.org/programs/HP%20Program%20VA430%20-%20HP-41C%20Ruleta.pdf>

*Casino Roulette program v2.0:*

20

"EMP" Begin

"N" Black

"R" Red

<b>"INF"</b>	Information
<b>"A/D"</b>	Activate/Deactivate
<b>"CER"</b>	Close
<b>"CAM"</b>	Change

<https://albillo.hpcalc.org/programs/HP%20Program%20VA430%20-%20HP-41C%20Ruleta.pdf>

**"HM"** *Hangman* word game, can read/write words from/to mag cards 21

**"EW"** internal routine

**"ZN"** *Zone* game 21

**"BRST"** Roots of polynomials using *Bairstow's Method* (by Fernando del Rey) 22

**"U" ... "W"** seems to be the same as the program in page 04 22

**"MI"** NxN matrix inversion 23

<https://albillo.hpcalc.org/programs/HP%20Program%20VA421%20-%20HP-41C%20NxN%20Matrix%20Inversion.pdf>

**"BODE"** unknown author, technical program probably adapted from the *HP-67* 23

**"MC"** another version of the multivar/polynomial regression program 24

**"CA"** *Clear All Assignments* program 24

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-08-01%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%20070556-58.pdf>

**"CR"** some kind of chronometer, alarm or time-related program 25

**"T"** ditto

*RPN stack of N levels:* 25

**"STKN"** initialize *RPN* stack of N levels

**"XY"** **X<>Y**

**"RD"** Roll Down

**"ET"** **ENTER**

" <b>+N</b> "	Addition
" <b>-N</b> "	Subtraction
" <b>*N</b> "	Multiplication
" <b>/N</b> "	Division
" <b>^N</b> "	Raising to Power
" <b>LX</b> "	<b>LASTX</b>
" <b>PI</b> "	<b>PI</b>
" <b>CLN</b> "	<b>CLX</b>
" <b>RCLN</b> "	<b>RCL</b>

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-09-27%20Letter%20from%20Valentin%20Albillo%20to%20John%20McGechie%20-%20070588-90.pdf>

(no global) Telephone list 25

- A** given phone, find name
  - B** given name, find phone
  - C** listing plus total name/number pairs

"**MEMORIA**" Memory game 26

<https://albillo.hpcalc.org/programs/HP%20Program%20VA418%20-%20HP-41C%20Memory%20Game%20and%20Trainer.pdf>

"ST" Star Trek game (unknown author) 27

- |      |                            |
|------|----------------------------|
| "EL" | <i>Enterprise</i> strategy |
| "KL" | <i>Klingon</i> strategy    |
| "IC" | internal routine           |

"FR" Fourier Series - Harmonic Analysis 28

<https://albillo.hpcalc.org/letters/HP%20Letter%201981-05-15%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%20070534.pdf>

**"SEQ"** systems of linear equations 28  
<https://albillo.hpcalc.org/programs/HP%20Program%20VA417%20-%20HP-41C%20Systems%20of%20Linear%20Equations%20-%20Gauss-Seidel.pdf>

**"P"** polynomial rootfinder, real coef., uses exact formula for  $N \leq 3$  29

**"RK"** system of differential equations using 4th-order *Runge-Kutta's* method 29

<https://albillo.hpcalc.org/programs/HP%20Program%20VA415%20-%20HP-41C%20Systems%20of%201st-order%20Differential%20Equations.pdf>

<https://albillo.hpcalc.org/programs/HP%20Program%20VA425%20-%20UPL%20Program%20Submit%20-%20HP-41C%20Sistemas%20de%20Ecuaciones%20Diferenciales.pdf>

**"BC"** *Byte Counter* 29

**"BI"** initialization

<https://albillo.hpcalc.org/letters/HP%20Letter%201980-07-10%20-%20Letter%20from%20Valentin%20Albillo%20to%20Richard%20Nelson%20-%20070503-07.pdf>

## Additional references:

### Introducing Project HAM:

[https://albillo.hpcalc.org/scans/Introducing%20Project%20HAM%20\(Historic%20Albillo%20Materials\).pdf](https://albillo.hpcalc.org/scans/Introducing%20Project%20HAM%20(Historic%20Albillo%20Materials).pdf)

### HP Program VA250 - HP-25 40 selected vintage programs (Album Anillas).pdf:

[https://albillo.hpcalc.org/programs/HP%20Program%20VA250%20-%20HP-25%20Programs%20\(Album%20Anillas\).pdf](https://albillo.hpcalc.org/programs/HP%20Program%20VA250%20-%20HP-25%20Programs%20(Album%20Anillas).pdf)

### HP Program VA670 - HP-67 Programs (Cuaderno ICAI).pdf:

[https://albillo.hpcalc.org/programs/HP%20Program%20VA670%20-%20HP-67%20Programs%20\(Cuaderno%20ICAI\).pdf](https://albillo.hpcalc.org/programs/HP%20Program%20VA670%20-%20HP-67%20Programs%20(Cuaderno%20ICAI).pdf)

01*LBL 02*	68 RCL 09	135 RCL 02	202 DSE 14	269 STO 12	336 RCL IND X
02 FIX 0	69*LBL 03	136 *	203 RTN	270 INT	337 RCL 04
03 CF 00	70 STO 10	137 INT	204 FC? 02	271 SF 06	338 X=Y?
04 CF 29	71 CF 03	138 LASTX	205 GTO 12	272 SF 03	339 GTO 12
05 CF 12	72 XEQ 97	139 FRC	206 FS?C 03	273 XEQ 99	340*LBL 03
06 CLRG	73*LBL 14	140 RCL 13	207 XEQ 06	274 FC?C 04	341 LASTX
07 13.04	74 CF 03	141 *	208*LBL 12	275 GTO 09	342 ST+ 03
08 RD TAX	75 "I"	142 FRC	209 32	276 RCL 12	343 RCL IND 03
09 OFF	76 BEEP	143 +	210 "GAME OVER"	277 FRC	344 RCL 04
10 "LEVEL 2?"	77 XEQ 08	144 RCL 02	211 41.118	278 X#0?	345 X=Y?
11 CF 23	78 GTO 08	145 /	212 AVIEW	279 GTO 57	346 GTO 03
12 RDN	79*LBL 12	146 STO IND 00	213 0	280*LBL 12	347 CHS
13 PROMPT	80 "NO"	147 FC? 02	214*LBL 07	281 ISG 08	348 X=Y?
14 CF 09	81*LBL 60	148 GTO 06	215 RCL IND Y	282 GTO 56	349 GTO 12
15 FS?C 23	82 "F MOVE"	149 FS? 03	216 +	283 RTN	350 CF 04
16 SF 09	83 AVIEW	150 GTO 12	217 ISG Y	284*LBL 00	351 FS? 06
17 "DIAG?"	84 TONE 9	151*LBL 06	218 GTO 07	285 RCL 06	352 RTH
18 PROMPT	85 PSE	152 FC? 55	219 2	286 RCL 08	353 STO IND 00
19 RCL 15	86*LBL 08	153 GTO 12	220 /	287 INT	354*LBL 04
20 STO 75	87 RCL 10	154 ADV	221 X<Y	288 X>Y?	355 LASTX
21 RCL 16	88 "MOVE?"	155 31	222 RDN	289 STO 06	356 ST- 03
22 STO 85	89 PROMPT	156 STO 00	223 ST- Z	290 X>Y?	357 RCL 00
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24 X<Y	91 X=0?	158 STO 01	225 ADV	292 RCL 10	359 X=Y?
25 STO 74	92 GTO 14	159 79	226 "HP: "	293 FC?C 08	360 GTO 12
26 X>Y	93 SF 03	160 STO 02	227 ARCL X	294 STO 09	361 STO IND 05
27 STO 84	94 XEQ 97	161 2.01	228 "F, YOU: "	295 30	362 RCL 16
28 XEQ 06	95 "BAD"	162 STO 03	229 ARCL Y	296 +	363 ST* IND Y
29 "HP 1ST?"	96 FS?C 04	163 8	230 AVIEW	297 0	364 ST- 01
30 PROMPT	97 GTO 60	164 SKPCOL	231 BEEP	298 STO IND Y	365 ST- 05
31 RDN	98 "YOU"	165 49.056	232 ADV	299 119	366 GTO 04
32 FS?C 23	99 XEQ 08	166 STO 04	233 PSE	300 STO 05	367*LBL 12
33 GTO 00	100 GTO 14	167*LBL 02	234 X=Y?	301*LBL 05	368 ISG 02
34 65	101*LBL 08	168 RCL 21	235 STOP	302 RCL IND 05	369 GTO 01
35 GTO 08	102 "F PLAY"	169 SKPCOL	236 "I"	303 RCL 16	370 .END.
36*LBL 14	103 ARCL 10	170 X<Y	237 X>Y?	304 ST* IND Y	
37 CF 07	104 AVIEW	171 ACCHR	238 "YOU"	305 ST- 05	R13= 100.00000000
38 CLX	105 23	172 ISG X	239 "F WOH"	306 DSE 01	R14= 61.00000000
39 STO 06	106 STO 00	173 GTO 02	240 PROMPT	307 GTO 05	R15= 1.00000000
40 23.04	107 SIGN	174 PRBUF	241*LBL 98	308 RTN	R16= -1.00000000
41 STO 07	108*LBL 31	175 41.048	242 SF 07	309*LBL 97	R17= 9.00000000
42*LBL 11	109 STO 02	176 STO 05	243 SF 08	310 CF 06	R18= -9.00000000
43 RCL IND 07	110 RCL IND 00	177*LBL 09	244 FS? 09	311*LBL 99	R19= 10.00000000
44 X=0?	111 X=0?	178 RCL 04	245 RTN	312 SF 04	R20= -10.00000000
45 GTO 12	112 GTO 08	179 ACCHR	246 23	313 30	R21= 11.00000000
46*LBL 13	113*LBL 32	180 RCL 17	247 RCL 07	314 +	R22= -11.00000000
47 RCL 13	114 RCL 13	181 SKPCOL	248 INT	315 STO 00	R23= 0.81881118
48 *	115 *	182 SF 12	249 2	316 RCL IND X	R24= 0.00000000
49 STO 11	116 INT	183*LBL 10	250 MOD	317 X#0?	R25= 0.83866168
50 INT	117 RCL 10	184 RCL IND 05	251 LASTX	318 RTN	R26= 0.31381316
51 STO 10	118 X=Y?	185 RCL 15	252 -	319 FC? 06	R27= 0.63663336
52 CF 03	119 GTO 08	186 +	253 RCL 07	320 STO 01	R28= 0.00000000
53 CF 08	120 RCL 13	187 RCL IND X	254 INT	321 15.022	R29= 0.84855158
54 XEQ 97	121 ST* 02	188 ACCHR	255 +	322 STO 02	R30= 0.41481415
55 FC?C 04	122 LASTX	189 RCL 03	256 X<Y?	323 119	R31= 0.64655356
56 XEQ 98	123 FRC	190 SKPCOL	257 RTN	324 STO 05	R32= 0.43463435
57 FS?C 08	124 X#0?	191 ISG 05	258 1 E3	325 SIGN	R33= 0.74755257
58 GTO 14	125 GTO 32	192 GTO 10	259 /	326 FS? 00	R34= 0.42472425
59 RCL 11	126*LBL 08	193 PRBUF	260 +	327 CHS	R35= 0.73766267
60 FRC	127 SIGN	194 ST+ 05	261 STO 08	328 FC? 03	R36= 0.32372326
61 X#0?	128 ST+ 00	195 CF 12	262*LBL 56	329 CHS	R37= 0.82877178
62 GTO 13	129 GTO 31	196 ISG 04	263 RCL IND 08	330 STO 04	R38= 0.21281217
63*LBL 12	130*LBL 00	197 GTO 09	264 X=0?	331*LBL 01	R39= 0.72772227
64 ISG 07	131 "FLIP"	198 ADV	265 GTO 12	332 RCL 00	R40= 0.00000000
65 GTO 11	132 ARCL 01	199 ADV	266*LBL 57	333 RCL IND 02	
66 FC? 07	133 AVIEW	200 ADV	267 RCL 13	334 +	
67 GTO 12	134 RCL IND 00	201*LBL 12	268 *	335 STO 03	

01+LBL "MCHESS" 68 XEQ 06 135 BEEP 202 - 269 RCL 02 336 RCL 08 403 RCL IND X 470 .4 01+LBL "P"
   
 02 CLRC 69 STO 00 136 AVIEW 203 46 270 8 337 XY? 404 STO 14 471 FS? 03 02 ADV
   
 03 FIX 0 70 "TO?" 137 FS? 55 204 + 271 XEQ 09 338 RTN 405+LBL 28 472 - 03 SF 12
   
 04 CF 29 71 PROMPT 138 XEQ "P" 205 RTN 272 FS? 18 339 SF 08 406 RCL 11 473 FS? 02 04 9
   
 05 18.049 72 XEQ 06 139 FC? 55 206+LBL 12 273 RTN 340 9 407 STO 15 474 XEQ 13 05 SKPCOL
   
 06 RD TAX 73 STO 01 140 STOP 207 STO 03 274 X=0? 341 ST+ 06 408+LBL 29 475 RCL 06 06 49.053
   
 07 SF 11 74 CLX 141 GTO 99 208 ABS 275 RTN 342 RTN 409 RCL IND 14 476 XY? 07 STO 13
   
 08 OFF 75 X> IND 00 142+LBL 07 209 CF 05 276+LBL 12 343+LBL 13 410 ST+ 15 477 - 08+LBL 00
   
 09 9 76 STO IND 01 143 60 210 CF 06 277 CF 08 344 FS? 06 411 RCL 15 478 RCL 00 09 ACCHR
   
 10 STO 16 77 XEQ 07 144 RCL 01 211 CF 07 278 STO 07 345 GTO 13 412 XEQ 08 479 XY? 10 2
   
 11 ST- 17 78 FC? 55 145 XY? 212 2 279 FRC 346 RCL 03 413 FS? 18 480 X=Y? 11 SKPCOL
   
 12 6.5 79 GTO 00 146 RTN 213 XY? 280 1 E2 347 30 414 GTO 00 481 SF 19 12 XY?
   
 13 STO 92 80 FS? 00 147 2 214 GTO 13 281 \* 348 - 415 X>0? 482 X=Y? 13 ISG X
   
 14 ST- 56 81 XEQ "P" 148 RCL IND 01 215 XY? 282 STO 06 349 RCL IND X 416 GTO 00 483 RTN 14 GTO 00
   
 15 5.09 82+LBL 00 149 XY? 216 30 283 RCL Z 350 STO 01 417 CF 19 484 RCL 09 15 PRBUF
   
 16 STO 93 83 "I MOVE" 150 RTN 217 + 284 STO 08 351+LBL 03 418 X=0? 485 XY? 16 56.06
   
 17 ST- 57 84 AVIEW 151 "PIECE?" 218 XEQ IND X 285 .4 352 RCL 08 419 SF 18 486 XY? 17 STO 15
   
 18 4.03 85 CF 17 152 PROMPT 219 RCL IND X 286 FS? 07 353 STO 10 420 XEQ 13 487 STO 09 18+LBL 01
   
 19 STO 94 86 FS? 55 153 STO IND 01 220 STO 04 287 ST- 06 354+LBL 18 421 FS? 19 488 RTN 19 RCL 13
   
 20 ST- 56 87 SF 17 154 RTN 221+LBL 14 288 FS? 06 355 RCL IND 01 422 RTN 489+LBL 13 20 ACCHR
   
 21 1.01 88 FS? 55 155+LBL 06 222 RCL 02 289 XEQ 12 356 ST+ 10 423 FS? 01 490 .5 21+LBL 02
   
 22 STO 83 89 XEQ "S" 156 ABS 223 STO 05 290 FC? 07 357 RCL 18 424 GTO 06 491 + 22 2
   
 23 STO 84 90 PI 157 2 224+LBL 15 291 XEQ 13 358 XEQ 09 425 FS? 10 492 RCL Z 23 SKPCOL
   
 24 STO 85 91 STO 09 158 XY? 225 RCL IND 04 292 RCL 00 359 FS? 10 426 GTO 29 493 60 24 RCL IND 15
   
 25 STO 66 92 96.055 159 RTN 226 ST+ 05 293 RCL 06 360 GTO 00 427+LBL 08 494 XY? 25 INT
   
 26 STO 87 93 STO 02 160 92 227 RCL 05 294 X=Y? 361 XEQ 12 428 ISG 14 495 CF 04 26 43
   
 27 ST- 65 94 CHS 161 RCL 13 228 XEQ 08 295 RTN 362 X=Y? 429 GTO 28 496 X=Y? 27 +
   
 28 ST- 66 95 STO 00 162 XY? 229 FS? 18 296 RCL 03 363 RTN 430 RTN 497 SF 04 28 RCL IND X
   
 29 ST- 67 96+LBL 11 163 RTN 230 GTO 00 297 FS? 08 364 FS? 05 431+LBL 36 498 RCL Z 29 ACSPEC
   
 30 ST- 68 97 RCL IND 02 164 -5.09 231 X>0? 298 -5.09 365 GTO 00 432 SF 03 499 9 30 ISG 15
   
 31 ST- 69 98 SIGN 165 STO IND 13 232 GTO 00 299 STO IND 00 366 LASTX 433+LBL 33 500 FC? 04 31 GTO 02
   
 32 INT 99 X=0? 166 RTN 233 CF 09 300 CLX 367 X=0? 434 SF 01 501 CLX 32 4.009
   
 33 - 100 GTO 00 167+LBL 04 234 X=0? 301 STO IND 02 368 GTO 10 435+LBL 32 502 + 33 ST+ 15
   
 34 STO 95 101 LASTX 168 ASTO X 235 SF 09 302 56.096 369+LBL 08 436+LBL 34 503 RTN 34 ISG 13
   
 35 ST- 59 102 X<0? 169 "CHECKMATE" 236 XEQ 12 303 STO 11 370 ISG 01 437+LBL 35 504+LBL 09 35 GTO 01
   
 36 2.05 103 XEQ 12 170 AVIEW 237 FS? 05 304 STO 09 371 GTO 03 438 RTN 505 + 36 ADV
   
 37 STO 96 104+LBL 00 171 BEEP 238 GTO 00 305 CF 19 372 RTN 439+LBL 12 506+LBL 00 37 ADV
   
 38 ST- 68 105 DSE 02 172 CLA 239 FS? 09 306+LBL 21 373+LBL 13 440 SF 02 507 CF 18 38 ADV
   
 39 "R" 106 GTO 11 173 ARCL X 240 GTO 15 307 RCL IND 11 374 RCL 08 441 RCL 11 508 SF 25 39 CF 12
   
 40 50.091 107 FS? 17 174 "F WON" 241+LBL 00 308 SIGN 375 RCL 22 442 RCL 17 509 RCL IND X 40 RTN
   
 41 SIGN 108 XEQ "S" 175 PROMPT 242 ISG 04 309 X=0? 376 XEQ 00 443 XEQ 09 510 SIGN 41+LBL "S"
   
 42+LBL 01 109 RCL 09 176+LBL 05 243 GTO 14 310 GTO 00 377 RCL 08 444 FS? 18 511 FS? 05 42 RCL d
   
 43 RCL IND L 110 PI 177 "STALEMATE" 244 RTN 311 LASTX 378 8 445 1 512 X=0? 43 STO I
   
 44 X=0? 111 X=Y? 178 BEEP 245+LBL 36 312 X=0? 379+LBL 00 446 X=0? 513 SF 18 44 ARCL 19
   
 45 ASTO IND L 112 GTO 05 179 PROMPT 246 SF 07 313 GTO 00 380 XEQ 09 447 XEQ 13 514 LASTX 45 ARCL 20
   
 46 ISG L 113 "YOU" 180+LBL 09 247+LBL 33 314 XEQ 07 381 FS? 18 448 FS? 19 515 END 46 RCL I
   
 47 GTO 01 114 -25 181 INT 248 SF 05 315 FS? 19 382 RTN 449 RTN 47 STO d
   
 48 EREG 74 115 RCL 00 182 ENTER† 249+LBL 32 316 GTO 04 383+LBL 12 450 RCL 11 48 FC? 05 48
   
 49 CLS 116 XY? 183 ENTER† 250+LBL 34 317+LBL 00 384 INT 451 RCL 20 49 SF 15
   
 50 ASTO 79 117 GTO 04 184 9 251+LBL 35 318 ISG 11 385 6 452 XEQ 00 50 RCL d
   
 51 FS? 55 118 CLX 185 / 252 RTN 319 GTO 21 386 X=Y? 453 FS? 19 51 STO I
   
 52 XEQ "P" 119 X> IND 12 186 INT 253+LBL 13 320 RCL 09 387 RTN 454 RTN 52 "H12"
   
 53 CF 23 120 STO IND 13 187 + 254 SF 06 321 STO 00 388 .41 455 RCL 11 53 RCL N
   
 54 AON 121 XEQ 08 188 51 255 RCL 02 322 RCL 02 389 ST+ 06 456 RCL 21 54 STO d
   
 55 "HP 1ST?" 122 "FROM" 189 - 256 9 323 STO 12 390 RDH 457+LBL 00 55 END
   
 56 PROMPT 123 RCL 12 190 ARCL X 257 XEQ 09 324 RCL 08 391 RTN 458 XEQ 09 LBL P
   
 57 ROFF 124 XEQ 09 191 RTN 258 FS? 16 325 STO 13 392+LBL 07 459 FS? 18 LBL'S
   
 58 FC? 03 23 125 "F TO " 192+LBL 06 259 1 326+LBL 04 393 CF 01 460 RTN END 112 BYTES
   
 59 GTO 00 126 RCL 13 193 ENTER† 260 X=0? 327 RCL 03 394 CF 02 461 X=0? LBL MCHESS
   
 60+LBL 99 127 XEQ 09 194 ENTER† 261 XEQ 12 328 STO IND 02 395 CF 03 462 X>0? END 921 BYTES
   
 61 "FROM?" 128 RCL 00 195 1 262 RCL 02 329 RCL 07 396 2 463 RTN STATUS:
   
 62 PROMPT 129 FRC 196 - 263 RCL 22 330 STO IND 00 397 XY? 464+LBL 13 SIZE= 097
   
 63 "I" 130 RCL 22 197 5 264 XEQ 09 331 RTN 398 GTO 12 465 FRC
   
 64 X>0? 131 \* 198 / 265 FS? 16 332+LBL 12 399 XY? 466 ABS
   
 65 GTO 04 132 FRC 199 INT 266 CLX 333 .5 400 30 467 1 E2 E= 74
   
 66 X=0? 133 X>0? 200 2 267 X>0? 334 ST+ 06 401 + 468 \*
   
 67 GTO 95 134 "F, CHECK" 201 / 268 XEQ 12 335 92 402 XEQ IND X 469 FS? 03 FIX 0

01♦LBL "W"	66 "+ PRUEBAS"	01♦LBL "+"	66 GTO 06	01♦LBL "DIC"	01♦LBL "\$"
02 FIX 0	67 AOFF	02 +	67 "NO"	E"	02 XEQ 07
03 CF 29	68 PROMPT	03 STO 04	68 AVIEW	02 ADV	03 SF 12
04 -----	69♦LBL 01	04 RTN	69 BEEP	03 XEQ 00	04 65
05 16.01	70 STO 07	05♦LBL "--"	70 FS?C 05	04 STO 00	05 ACCOL
06 XEQ 01	71 ASTO 00	06 STO 04	71 GTO 05	05 XEQ "\$"	06 XEQ IND
07 "PALABRA ?"	72♦LBL 07	07 +	72 SF 05	06 6	Z
08 RON	73 "--"	08 STO 03	73 SF 06	07 SKPCOL	07 ACCOL
09 PROMPT	74 ARCL 00	09 RTN	74 GTO 04	08 XEQ 00	08 65
10 ASTO 08	75 ASTO 00	10♦LBL "*"	75♦LBL 05	09 ST+ 00	09 ACCOL
11 6	76 RSHF	11 *	76 ARCL 03	10 XEQ "\$"	10♦LBL 07
12 XEQ 01	77 ASTO IND 07	12 STO 04	77 ARCL 05	11 6	11 CF 12
13♦LBL 02	78 DSE 07	13 RTN	78 ARCL 02	12 SKPCOL	12 127
14 CLA	79 GTO 07	14♦LBL "/"	79 "+="	13 61	13 ACCOL
15 ASTO 09	80 .END.	15 STO 04	80 ARCL 04	14 ACCHR	14 RTN
16 "LETRA ?"	16 *	81 AVIEW	15 RCL 00	15♦LBL 02	
17 PROMPT	17 STO 03	82 1	16 CF 28	16 69	
18 ASTO 10	18 RTN	83 ST- 06	17 CF 29	17 XEQ 00	
19 1.006	19♦LBL "T"	84 GTO 07	18 FIX 0	18 ACCOL	
20 STO 00	20 CF 29	85♦LBL 06	19 ACX	19 ACCOL	
21 ISG 07	21 FIX 0	86 CF 05	20 PRBUF	20 81	
22♦LBL 06	22♦LBL 01	87 "SI"	21 RTN	21 RTN	
23 RCL 00	23 "MAX ?"	88 AVIEW	22♦LBL 00	22♦LBL 03	
24 10	24 PROMPT	89♦LBL 07	23 RCL 01	23 69	
25 +	25 STO 01	90 DSE 07	24 R-D	24 XEQ 00	
26 RCL IND X	26 ISG 01	91 GTO 03	25 FRC	25 73	
27 "--"	27♦LBL 02	92 CLR	26 STO 01	26 XEQ 00	
28 ASTO Y	28 CF 05	93 ARCL 06	27 6	27 81	
29 X?Y?	29 CF 06	94 "+% BIEN"	28 *	28 RTN	
30 GTO 00	30 10	95 AVIEW	29 1	29♦LBL 04	
31 RCL 10	31 STO 07	96 FS? 06	30 +	30 85	
32 RCL IND 00	32 STO 06	97 RTN	31 INT	31 XEQ 00	
33 X=Y?	33 "+, -, *, / ?"	98 TONE 8	32 END	32 ACCOL	
34 GTO 00	34 RON	99 TONE 9		33 ACCOL	
35 "--"	35 PROMPT	100 SIN		34 X<>Y	
36 ASTO X	36 AOFF	101 SIN	.25 STO 01	35 RTN	
37♦LBL 00	37 ASTO 05	102 TONE 8	XEQ "DICE"	36♦LBL 05	
38 CLA	38♦LBL 03	103 TONE 8		37 85	
39 ARCL 09	39 RCL 00	104 TONE 8	□ □ = 6	38 XEQ 00	
40 ARCL X	40 R-D	105 TONE 7		39 73	
41 ASTO 09	41 FRC	106 TONE 8	XEQ "DICE"	40 XEQ 00	
42 AVIEW	42 STO 00	107 TONE 8	□ □ = 2	41 85	
43 RCL 00	43 SQRT	108 TONE 7		42 RTN	
44 10	44 RCL 01	109 TONE 8	XEQ "DICE"	43♦LBL 06	
45 +	45 *	110 TONE 9	□ □ = 7	44 85	
46 CLA	46 INT	111 SIN		45 XEQ 00	
47 ARCL Y	47 STO 02	112 SIN		46 X<>Y	
48 ASTO IND X	48 RCL 00	113 TONE 9	XEQ "\$"	47 XEQ 00	
49 ISG 00	49 R-D	114 TONE 8	□	48 X<>Y	
50 GTO 06	50 FRC	115 E <sup>1</sup> X		49 RTN	
51 RCL 08	51 STO 00	116 TONE 8	XEQ "\$"	50♦LBL 01	
52 RCL 09	52 RCL 01	117 TONE 7	□	51 ACCOL	
53 X=Y?	53 *	118 E <sup>1</sup> X		52 ACCOL	
54 GTO 00	54 INT	119 TONE 7	XEQ "\$"	53 73	
55 PSE	55 STO 03	120 TONE 6	□	54♦LBL 00	
56 GTO 02	56 XEQ IND 05	121 .END.		55 ACCOL	
57♦LBL 00	57 CLR		4	56 X<>Y	
58 BEEP	58♦LBL 04		XEQ "\$"	57 ACCOL	
59 "ERA ?"	59 ARCL 03		5	58 END	
60 ARCL 09	60 ARCL 05		XEQ "\$"		
61 "+?"	61 ARCL 02		6	END	112 BYTES
62 AVIEW	62 "+=?"		XEQ "\$"		
63 PSE	63 PROMPT				
64 "SON "	64 RCL 04				
65 ARCL 07	65 X=Y?				

01+LBL "KA"	66 ISG Z	131 CLA	01+LBL "AH"	01+LBL 10	66 RDN	01+LBL "b2"
02 "PRS?"	67+LBL 05	132 ASTO Y	02 FIX 9	02 STO 00	67 RCL d	02 "Y=NNN, X=Rb ?"
03 PROMPT	68 RDN	133 ARCL 00	03 XEQ 01	03 7	68 X> [	03 PROMPT
04 E	69 STO Z	134 ARCL X	04 XEQ 01	04 RCL c	69 RDN	04 CLA
05 -	70 X>Y	135 ASTO 00	05 XEQ 01	05+LBL "U"	70 "F:R:"	05 X> [
06 E3	71 8	136 X=Y?	06 "F**"	06 CLA	71 X> [	06 "F****"
07 /	72 X>Y	137 RTN	07 X> \	07 X> [	72 RCL \	07 X> [
08 STO 02	73 ST* Y	138 "F+"	08 CLA	08 X>Y	73 RT	08 X> d
09+LBL "KC"	74 RDN	139 ASTO 00	09 STO [	09 XEQ 14	74 XEQ 14	09 CF 00
10 FIX 0	75 +	140 RTN	10 ASTO Y	10 RCL d	75 RDN	10 CF 01
11+LBL 06	76 CHS	141+LBL 03	11 CLA	11 X> [	76 X> \	11 CF 02
12 "	77 44	142 FS?C 25	12 ARCL T	12 RCL \	77 7	12 CF 03
13 ASTO 00	78 +	143 GTO 09	13 ARCL Z	13 "F:U:"	78 RT	13 SF 07
14 .5	79 ST+ 03	144 CLA	14 ARCL Y	14 X> \	79 -	14 SF 08
15 XEQ 07	80 SF 25	145 X> \	15 PROMPT	15 4	80 X#0?	15 X> d
16 E	81 SF IND X	146 "F***"	16+LBL 01	16 XEQ 14	81 XEQ 14	16 FRC
17 XEQ 07	82 DSE Z	147 X> \	17 CLA	17 .023	82 RCL \	17 CLA
18 RCL 02	83 "	148 X> d	18 X> [	18 RCL \	83 RTN	18 X> [
19 RCL c	84 X> 01	149 SF IND 03	19 "F***"	19 X> d	84+LBL "S"	19 "F+"
20 RCL [	85 X#0?	150 X> d	20 X> [	20 0	85 XEQ 10	20 CLX
21 "xiv"	86 GTO 01	151 X> \	21 "F**"	21+LBL 12	86 DEC	21 STO \
22 ASTO c	87 RCL *	152 "F****"	22 RCL \	22 ENTER†	87 64	22 "F**"
23 STO IND Z	88 XEQ 03	153 X> ]	23 ***	23 +	88 X†2	23 X> \
24 RDN	89 STO *	154 RTN	24 ARCL X	24 1	89 +	24 X> [
25 STO c	90 GTO 08	155+LBL 09	25 ASHF	25 FC? IND T	90 OCT	25 ASTO X
26 ISG 02	91+LBL 01	156 X> d	26 ASTO X	26 FRC	91 XEQ 11	26 "x1"
27 GTO 06	92 8	157 SF IND 01	27 X>Y	27 +	92 X> c	27 ARCL X
28 BEEP	93 ST+ Z	158 X> d	28 .END.	28 ISG Z	93 RTN	28 "F"
29 "WSTS"	94 RDN	159 RTN		29 GTO 12	94+LBL "W"	29 RDN
30 PROMPT	95 RCL e	160+LBL "NN"		30 OCT	95 DEC	30 RCL c
31 WSTS	96 XEQ 03	161 CLA		31 RTN	96 192	31 X>Y
32 RTN	97 STO e	162 ASTO 00		32+LBL 14	97 -	32 ASTO c
33+LBL 07	98+LBL 08	163+LBL 02		33 "F--"	98 ENTER†	33 STO 00
34 RCL 02	99 RDN	164 STOP	01+LBL "B3"	34 DSE X	99 "xiv"	34 RDN
35 INT	100 RDN	165 XEQ 00	02 ENTER†	35 GTO 14	100 ASTO X	35 STO c
36 +	101 X>Y	166 RCL [	03 CLA	36 RTN	101 X> c	36 .END.
37 ENTER†	102 16	167 GTO 02	04 8	37+LBL 11	102 RCL Z	
38 +	103 *	168 .END.	05 ST/ Z	38 7	103 STO IND Z	
39 "KEY"	104 +		06 MOD	39 X>Y	104 X>Y	
40 ARCL X	105+LBL 00	01+LBL "P<>SC"	07 X>Y	40 RCL c	105 X> c	
41 TONE 9	106 8	02 "x*x*x*x"	08 INT	41+LBL "R"	106 .END.	
42 PROMPT	107 X>Y	03+LBL 00	09 1	42 X> [		
43 STO 01	108 0	04 X> IND \	10 -	43 RDN		
44 RDN	109 X> d	05 X> IND [	11 10†X	44 -23		
45 STO 03	110 X>Y	06 X> IND \	12 RCL d	45 X>Y		
46 RDN	111+LBL 04	07 ISG \	13 STO \	46 DEC		
47 XEQ 00	112 2	08 X>Y	14 FIX 0	47+LBL 13		
48 -24	113 /	09 ISG [	15 CF 29	48 CF IND Y		
49 X> 03	114 FRC	10 GTO 00	16 ARCL Y	49 2		
50 XEQ 00	115 DSE Z	11 CLA	17 RCL \	50 /		
51 10	116 "	12 .END.	18 STO d	51 ENTER†		
52 ST/ 01	117 X#0?		19 FC?C IND T	52 FRC		
53 RCL 01	118 SF IND Z		20 SF IND T	53 X#0?		
54 ABS	119 X> L		21 RCL d	54 SF IND Z		
55 INT	120 INT		22 STO \	55 -		
56 LASTX	121 X#0?	01+LBL "FR"	23 5	56 ISG Y		
57 FRC	122 GTO 04	02 ",a+"	24 LASTX	57 GTO 13		
58 ST* Z	123 X>Y	03 FS? 55	25 -	58 *		
59 .1	124 X> d	04 "a,a+"	26 10†X	59 +		
60 -	125 CLA	05 ASTO d	27 FIX 0	60 RCL [		
61 X#0?	126 X> [	06 CF 03	28 CF 29	61 X>Y		
62 GTO 05	127 "F+"	07 CLA	29 ARCL X	62 3		
63 RDN	128 X> \	08 .END.	30 RCL ]	63 -		
64 4	129 X> [		31 STO d	64 X#0?		
65 X=Y?	130 ASTO X		32 .END.	65 XEQ 14		

01+LBL "JB"	66 SF 00	131 STO 05	196 RTN	01+LBL "DSD"	63 GTO 25	125 FIX 0
02 FIX 0	67 LASTX	132 RDN	197+LBL 90	64+LBL 21	126 STO 01	
03 CF 29	68 ST- IND Z	133 STO 08	198 X>Y?	02+LBL A	65 RDN	127 FS?C 22
04 "N=?"	69 STO 01	134 RCL 07	199 X<Y	03 RCL 04	66 FC? 06	128 RTN
05 PROMPT	70 ST+ 01	135 STO 09	200 RCL 00	04 RCL 01	67 STO IND	129 RCL 04
06 STO 00	71 CHS	136 *	201 ST+ X	05 -	02	130 RCL 03
07 ENTER†	72 STO 06	137 RCL 03	202 X>Y	06 3	68 ENTER†	131 -
08 X†2	73 RCL 02	138 RCL 04	203 -	07 GTO 20	69 INT	132 STO 01
09 +	74 RCL 02	139 XEQ 90	204 1	08+LBL B	70 STO 07	133 RTN
10 2	75 XEQ 90	140 STO T	205 ST- L	09 RCL 03	71 -	134+LBL E
11 /	76 STO 08	141 RDN	206 X> L	10 RCL 01	72 1 E2	135 SF 06
12 9	77 RDN	142 ST* 09	207 *	11 +	73 *	136 SF 22
13 +	78 RCL 03	143 RCL 06	208 2	12 4	74 ENTER†	137 RCL 05
14 SF 25	79 RCL 03	144 ST* 08	209 /	13+LBL 20	75 INT	138 5
15 RCL IND X	80 XEQ 90	145 *	210 +	14 STO 02	76 STO 08	139 XEQ 20
16 FS?C 25	81 STO 09	146 -	211 9	15 RDN	77 -	140 RCL IND
17 GTO 00	82 RDN	147 STO IND 05	212 +	16 365,25	78 1 E4	02
18 "SIZE "	83 -	148 RCL 08	213 RCL IND X	17 STO 05	79 *	141 7
19 1	84 STO 07	149 RCL 09	214 X>Y	18 30.6001	80 STO 09	142 MOD
20 +	85 2	150 +	215 .END.	19 STO 06	81 RCL 07	143 13
21 ARCL X	86 /	151 STO IND Z		20 RDN	82 1	144 +
22 PROMPT	87 SIGN	152 RCL 04		21 RDN	83 +	145 XEQ IND
23+LBL 00	88 RCL 06	153 RCL 00		22 FS?C 22	84 ENTER†	X
24 10	89 LASTX	154 X=Y?		23 GTO 21	85 1/X	146 AVIEW
25 STO 04	90 X†2	155 GTO 84		24 STO IND	86 ,7	147 RTN
26 RCL 00	91 RCL 06	156+LBL 08		02	87 +	148+LBL 13
27 1 E3	92 X†2	157 1		25 122,1	88 CHS	149 "VIERNES"
28 /	93 +	158 ST+ 04		26 -	89 XEQ 22	"
29 1	94 SQRT	159 RCL 00		27 RCL 05	90 RCL 06	150 RTN
30 +	95 /	160 RCL 04		28 /	91 *	151+LBL 14
31 STO 02	96 *	161 X=Y?		29 INT	92 INT	152 "SABADO"
32+LBL 12	97 1	162 GTO 01		30 STO 09	93 RCL 09	153 RTN
33 RCL 02	98 RCL Y	163+LBL 84		31 RCL 05	94 RCL 05	154+LBL 15
34 STO 03	99 X†2	164 RCL 03		32 *	95 *	155 "DOMINGO"
35+LBL 07	100 -	165 RCL 02		33 INT	96 INT	"
36 "A"	101 SQRT	166 1		34 RCL IND	97 +	156 RTN
37 ARCL 02	102 1	167 +		02	98 RCL 08	157+LBL 16
38 "F,"	103 +	168 X>Y?		35 -	99 +	158 "LUNES"
39 ARCL 03	104 ST+ X	169 GTO 87		36 CHS	100 X<> IND	159 RTN
40 "I=?"	105 SQRT	170 X>Y		37 STO 00	02	160+LBL 17
41 PROMPT	106 /	171 RCL 00		38 RCL 06	101 FS?C 06	161 "MARTES"
42 STO IND 04	107 STO 06	172 X>Y?		39 /	102 RTN	162 RTN
43 ISG 04	108 ST* 01	173 ISG 03		40 INT	103+LBL 25	163+LBL 18
44 X>Y	109 X†2	174 X<Y		41 STO 07	104 ENTER†	164 "MIERCOL
45 ISG 03	110 ST* 07	175 X>Y?		42 RCL 00	105 XEQ IND	ES"
46 GTO 07	111 1	176 GTO 85		43 X<>Y	X	165 RTN
47 ISG 02	112 STO 04	177 FS?C 00		44 RCL 06	106 FRC	166+LBL 19
48 GTO 12	113 X>Y	178 GTO 70		45 *	107 1 E2	167 "JUEVES"
49 "FIX=?"	114 -	179 RCL 00		46 INT	108 *	168 RTN
50 PROMPT	115 SQRT	180 1 E3		47 -	109 CF 28	169+LBL 01
51 FIX IND X	116 ST* 01	181 /		48 STO 08	110 FIX 4	170 "ENE"
52+LBL 70	117 X> 07	182 1		49 RCL 07	111 ARCL X	171 RTN
53 2	118 RCL 01	183 +		50 1	112 RDN	172+LBL 02
54 STO 03	119 +	184 STO 06		51 RCL 08	113 AVIEW	173 "FEB"
55+LBL 85	120 ST- IND 08	185+LBL 13		52 %	114 SF 28	174 RTN
56 1	121 ST+ IND 09	186 "X="		53 -	115 RTN	175+LBL 03
57+LBL 87	122+LBL 01	187 RCL 06		54 -	116+LBL 22	176 "MAR"
58 STO 02	123 RCL 03	188 INT		55 RCL 07	117 INT	177 RTN
59 CF 00	124 RCL 04	189 ENTER†		56 14	118 ST+ 09	178+LBL 04
60 RCL 03	125 X=Y?	190 XEQ 90		57 /	119 12	179 "ABR"
61 XEQ 90	126 GTO 08	191 X>Y		58 XEQ 22	120 *	180 RTN
62 X>Y	127 RCL 02	192 ARCL X		59 RCL 09	121 -	181+LBL 05
63 RND	128 X=Y?	193 PROMPT		60 1 E6	122 RTN	182 "MAY"
64 X=0?	129 GTO 08	194 ISG 06		61 /	123+LBL C	183 RTN
65 GTO 84	130 XEQ 90	195 GTO 13		62 +	124 CF 29	

184♦LBL 06	38 PRA	101♦LBL 08	160	-
185 "JUN"	39 -----	102 RCL IND	161	X<0?
186 RTN	-----	06	162	RTN
187♦LBL 07	40 -----	103 RCL IND	163	SKPCOL
188 "JUL"	-----	07	164	3
189 RTN	41 ACA	104 X>Y?	165	+
190♦LBL 08	42 ADV	105 GTO 09	166	ST+ 05
191 "AGO"	43 CLA	106 XEQ IND	167	28
192 RTN	44 CLA	07	168	ACCOL
193♦LBL 09	45 FIX 0	107 500	169	20
194 "SEP"	46♦LBL B	108 STO IND	170	ACCOL
195 RTN	47 -4	07	171	28
196♦LBL 10	48 STO 05	109 GTO D	172	ACCOL
197 "OCT"	49 65	110♦LBL 09	173	RTN
198 RTN	50 STO 04	111 XEQ IND	174♦LBL 03	
199♦LBL 11	51 RCL 00	06	175	RCL 03
200 "NOV"	52 33	112 500	176	2
201 RTN	53 XEQ 00	113 STO IND	177	-
202♦LBL 12	54 STO 01	06	178	RCL 05
203 "DEC"	55 RCL 00	114 GTO D	179	-
204 END	56 28	115♦LBL 05	180	X<0?
	57 XEQ 00	116 03	181	RTN
01♦LBL "BIO	58 STO 02	117 STO 06	182	SKPCOL
"	59 RCL 00	118 GTO 06	183	3
02 "NOMBRE=	60 23	119♦LBL 07	184	+
?"	61 XEQ 00	120 02	185	ST+ 05
03 AON	62 STO 03	121 STO 07	186	8
04 STOP	63 ,00401	122 GTO 08	187	ACCOL
05 ROFF	64 STO 10	123♦LBL 04	188	28
06 ASTO 12	65 ARCL 08	124 63	189	ACCOL
07 ADV	66 ACA	125 RCL 05	190	8
08 RCL 01	67 CLA	126 -	191	ACCOL
09 360	68 4	127 X<0?	192	RTN
10 *	69 SKPCOL	128 RTN	193♦LBL 00	
11 STO 00	70♦LBL D	129 SKPCOL	194	/
12 2	71 ISG 10	130 1	195	SIN
13 STO 01	72 GTO E	131 +	196	1
14 5	73 360	132 ST+ 05	197	+
15 STO 02	74 ST+ 00	133 127	198	65
16 8	75 140	134 ACCOL	199	*
17 STO 03	76 RCL 05	135 RTN	200	END
18 0	77 -	136♦LBL 01		CAT 1
19 STO 05	78 SKPCOL	137 RCL 01		
20 "DIAS=?"	79 ADV	138 2		LBL'DBD
21 PROMPT	80 RCL 08	139 -	END	366 BYTES
22 STO 09	81 RCL 09	140 RCL 05	LBL'BIO	
23 "33 DIAS	82 X<=Y?	141 -	END	391 BYTES
= "	83 STOP	142 X<0?	,END.	86 BYTES
24 ACA	84 1	143 RTN		
25 XEQ 01	85 ST+ 08	144 SKPCOL		
26 PRBUF	86 GTO B	145 3		
27 "28 DIAS	87♦LBL E	146 +		
= "	88 RCL 03	147 ST+ 05		
28 ACA	89 RCL 04	148 20		
29 XEQ 02	90 X>Y?	149 ACCOL		
30 PRBUF	91 GTO 05	150 8		
31 "23 DIAS	92 04	151 ACCOL		
= "	93 STO 06	152 20		
32 ACA	94♦LBL 06	153 ACCOL		
33 XEQ 03	95 RCL 02	154 RTN		
34 PRBUF	96 RCL 01	155♦LBL 02		
35 ADV	97 X>Y?	156 RCL 02		
36 "BIORITM	98 GTO 07	157 2		
05 DE "	99 01	158 -		
37 ARCL 12	100 STO 07	159 RCL 05		

01•LBL "DSZ"	01•LBL "FIX"	01•LBL "4"	01•LBL "S"	01•LBL "RR"	66 - -CLICK-
02 CF 04	02 XEQ 00	02 SF 12	02 STO 00	02 STO 00	67 AVIEW
03 GTO 01	03 SF 00	03 "Q"	03 FIX 0	03•LBL A	68 TONE 8
04•LBL "ISZ"	04 GTO 01	04 XEQ IND	04 1.007	04 "10 GAMES"	69 PSE
05 CF 04	05•LBL 00	X	05 STO 02	05 AVIEW	70 ISG 01
06 GTO 02	06 CLA	05 RCL [	06 RCL 00	06 TONE 9	71 GTO 00
07•LBL "DSZ"	07 STO \	06 ACSPEC	07 R-D	07 PSE	72 "DONE: YOU WIN"
08 SF 04	08 CLX	07 65	08 FRC	08 1.01	73 AVIEW
09•LBL 01	09 RCL d	08 ACCOL	09 STO 00	09 STO 01	74 BEEP
10 "	10 STO [	09 127	10 99	10 FIX 0	75 PROMPT
11 GTO 00	11 "*****"	10 ACCOL	11 *	11 CF 29	76•LBL 04
12•LBL "ISZ"	12 X< [	11 CF 12	12 INT	12•LBL 00	77 TONE 7
13 SF 04	13 STO d	12 RTN	13 STO 01	13 "GAME"	78 TONE 7
14•LBL 02	14 CF 00	13•LBL 01	14•LBL 00	14 ARCL 01	79 TONE 7
15 "	15 CF 01	14 "FnuÖ2"	15 CLA	15 AVIEW	80 TONE 7
16•LBL 00	16 RTN	15 RTN	16 ARCL 02	16 PSE	81 TONE 7
17 "*****"	17•LBL "SCI"	16•LBL 02	17 "F?"	17 CF 23	82 TONE 7
18 X< [	18 XEQ 00	17 "FnuX0"	18 PROMPT	18 "PULL ?"	83 TONE 7
19 FS? 04	19 GTO 01		19 RCL 01	19 RDN	84 TONE 7
20 ST+ 25	20•LBL "ENG"	18 RTN	20 X=Y?	20 AVIEW	85 TONE 7
21 FC? 04	21 XEQ 00	19•LBL 03	21 GTO 01	21 TONE 9	86 TONE 7
22 ST+ IND 25	22 SF 01	20 "FnuX2"	22 -	22 STOP	87 .END.
23 RDN	23•LBL 01		23 ABS	23 ROFF	
24 ST0 \	24 X< d	21 RTN	24 2	24 FC?C 23	
25 RDN	25 ST0 [	22•LBL 04	25 **	25 GTO 02	
26 1	26 "F**"	23 "FnuX0"	26•LBL 03	26 "CHICKEN"	
27 FS? 04	27 X< \		27 X>Y?	27 AVIEW	
28 RCL 25	28 ST0 d	24 RTN	28 GTO IND X	28 TONE 0	
29 FC?C 04	29 X< ]	25•LBL 05	29 ST+ X	29 TONE 0	
30 RCL IND 25	30 CLA	26 "FnuX2"	30 GTO 03	30 TONE 0	
31 X<?	31 .END.		31•LBL 01	31 TONE 0	
32 CHS		27 RTN	32 "OK: "	32 55	
33 X>Y?		28•LBL 06	33 ARCL 02	33 TONE 0	
34 SF 04	01•LBL "CLREG"	29 "FnuX5"	34 "F GUESSES"	34 TONE 3	
35 X< \	02 ST0 25		35 PROMPT	35 STOP	
36 X<Y	03 CLX	30 .END.	36•LBL 02	36•LBL 02	
37 X< [	04 ST0 00		37 "F*"	37 "SPINNING"	
38 CLA	05 ST0 01	■	38•LBL 04	38 AVIEW	
39 .END.	06 ST0 02	1.0000	39 "F*"	39 XEQ 04	
	07 ST0 03	XEQ "4"	40•LBL 08	40 RCL 00	
	08 ST0 04	■	41 "F*"	41 R-D	
01•LBL "P<>SC"	09 ST0 05	2.0000	42•LBL 16	42 XEQ 04	
02 "++0***++"	10 ST0 06	XEQ "4"	43 "F*"	43 "PULL"	
03•LBL 00	11 ST0 07	■	44•LBL 32	44 FRC	
04 X< IND \	12 ST0 08	3.0000	45 "F*"	45 STO 00	
05 X< IND [	13 ST0 09	XEQ "4"	46•LBL 64	46 XEQ 04	
06 X< IND \	14 ST0 10	■	47 "F*"	47 .83	
07 ISG \	15 ST0 21	4.0000	48 AVIEW	48 AVIEW	
08 X<Y	16 ST0 22	XEQ "4"	49 PSE	49 X>Y?	
09 ISG [	17 ST0 23	■	50 ISG 02	50 GTO 03	
10 GTO 00	18 ST0 24	5.0000	51 GTO 00	51 "BANG"	
11 CLA	19 X< 25	XEQ "4"	52 "TOO BAD"	52 AVIEW	
12 .END.	20 RTN	■	53 PROMPT	53 TONE 9	
	21•LBL "RCL2"	6.0000	54 .END.	54 TONE 0	
	22 X< 16	XEQ "4"		55 5	
	23 X< 16	■		56 TONE 9	
	24 ST0 L			57 TONE 0	
	25 RDN			58 "KAPUT"	
	26 RDN			59 AVIEW	
	27 RCL 16			60 TONE F	
	28 RCL 14			61 TONE 0	
	29 .END.			62 "NEXT VICTIM?"	
				63 PROMPT	
				64 GTO A	
				65•LBL 03	

01+LBL "MR"	66+LBL "MO"	131 RCL 02	196 1/X	261 ST* IND 02	01+LBL "3D-PLOT"	66 XEQ IND 09
02 XEQ 05	67 SF 19	132 RCL 06	197 STO IND Y	262+LBL 07	02 CF 12	67 RCL 11
03 RDtax	68+LBL 01	133 10	198 STO 04	263 RCL 00	03 "NAME?"	68 *
04 RTN	69 CF 29	134 *	199 X<Y	264 ST+ 06	04 RON	69 RCL 03
05+LBL "MW"	70 9	135 +	200 RCL 01	265 ISG 02	05 PROMPT	70 .7
06 XEQ 05	71 STO 04	136 RCL 01	201 ST+ 08	266 X<Y	06 ROFF	71 *
07 WDtax	72 RCL 00	137 /	202 -	267 ISG 03	07 ASTO 09	72 -
08 RTN	73 1 E3	138+LBL 14	203 RCL 05	268 GTO 07	08 "ACCOL?"	73 RCL 12
09+LBL "M+"	74 /	139 ST+ 04	204 STO 03	269 SF IND 01	09 PROMPT	74 +
10 CF 29	75 1	140 RCL 04	205 STO 02	270 RCL 05	10 STO 04	75 INT
11 GTO 01	76 +	141 STO 02	206 +	271 STO 01	11 30	76 RCL 01
12+LBL "M-"	77 STO 05	142 RCL 07	207 STO 07	272+LBL 16	12 STO 05	77 X<Y
13 SF 29	78 STO 02	143 STO 01	208+LBL 04	273 FC? IND 01	13 CHS	78 X=Y?
14+LBL 01	79 STO 03	144 XEQ 13	209 RCL 02	274 GTO 91	14 STO 00	79 GTO 02
15 XEQ 05	80+LBL 10	145 RCL 04	210 RCL 01	275 ISG 01	15 X†2	80 STO 01
16+LBL 00	81 FIX 0	146 STO 03	211 X=Y?	276 GTO 16	16 STO 10	81 ENTER†
17 RCL IND 01	82 "A"	147 CLX	212 GTO 06	277 RCL 05	17 "INCX?"	82 X> 02
18 RCL IND 02	83 ARCL 02	148 STO 02	213 RCL 03	278+LBL 09	18 PROMPT	83 -
19 FS? 29	84 "+,-"	149 RCL 08	214 X=Y?	279 CF IND X	19 STO 06	84 1
20 CHS	85 ARCL 03	150+LBL 12	215 GTO 01	280 ISG X	20 "YMAX?"	85 -
21 +	86 "+="	151 ST+ 02	216 RCL IND 07	281 GTO 09	21 PROMPT	86 SKPCOL
22 STO IND 02	87 FIX 4	152 RCL 07	217 RCL IND 08	282 RTN	22 STO 11	87 RCL 04
23 ISG 01	88 FS? 19	153 STO 01	218 *	283+LBL 90	23 "INCY?"	88 ACCOL
24 ENTER†	89 ARCL IND 04	154 CLX	219 RCL 04	284 ISG 01	24 PROMPT	89+LBL 02
25 ISG 02	90 FC? 19	155+LBL 08	220 *	285 GTO 91	25 STO 13	90 RCL 08
26 GTO 00	91 "+F?"	156 RCL IND 02	221 ST- IND 06	286 RCL 05	26 CHS	91 ST+ 03
27 RTN	92 PROMPT	157 RCL IND 01	222+LBL 01	287 XEQ 09	27 STO 08	92 RCL 03
28+LBL "R<B"	93 FC? 19	158 *	223 1	288 "ERROR"	28 "AXIS?"	93 RCL 07
29 XEQ 05	94 STO IND 04	159 +	224 ST+ 06	289 PROMPT	29 PROMPT	94 X=Y?
30+LBL 11	95 ISG 04	160 ISG 01	225 ST+ 07	290+LBL "M†"	30 STO 12	95 GTO 01
31 X<Y IND 02	96 X<Y	161 ENTER†	226 ISG 03	291 XEQ 05	31 ADV	96 PRBUF
32 X<Y IND 01	97 ISG 03	162 ISG 02	227 GTO 04	292+LBL 13	32 " 3D-PLOT OF "	97 RCL 06
33 X<Y IND 02	98 GTO 10	163 GTO 08	228 RCL 00	293 RCL IND 02	33 ARCL 09	98 ST+ 00
34 ISG 01	99 RCL 05	164 STO IND 03	229 ST- 07	294 STO IND 01	34 PRA	99 RCL 05
35 ENTER†	100 STO 03	165 RCL 06	230+LBL 02	295 ISG 01	35 -----	100 RCL 00
36 ISG 02	101 ISG 02	166 ISG 03	231 ST+ 08	296 ENTER†	36 ACA	101 X=Y?
37 GTO 11	102 GTO 10	167 GTO 12	232 RCL 05	297 ISG 02	37 ACA	102 GTO 00
38 RTN	103 RTN	168 1.001	233 STO 03	298 GTO 13	38 ACA	103 CF 12
39+LBL "KM"	104+LBL "M**"	169 ISG 05	234 ISG 02	299 .END.	39 ACA	104 ADV
40 XEQ 05	105 RCL 00	170 GTO 14	235 GTO 04	40 ADV		105 END
41 X<Y	106 1 E3	171 RTN	236 GTO 01			
42+LBL 03	107 STO 01	172+LBL "M/"	237+LBL 06	42+LBL 00		3D-PLOT OF PEPE
43 ST* IND 02	108 /	173 RCL 00	238 RCL 00	43 CLX		
44 ISG 02	109 STO 06	174 1	239 ST+ 06	44 STO 01		
45 GTO 03	110 STO 05	175 -	240 GTO 02	45 STO 02		
46 RTN	111 9	176 1 E3	241+LBL 01	46 RCL 10		
47+LBL 05	112 STO 04	177 /	242 STO 06	47 RCL 00		
48 RCL 00	113 RCL 00	178 STO 05	243 RCL 00	48 X†2		
49 X†2	114 X†2	179 STO 01	244 ST* 06	49 -		
50 9	115 +	180 XEQ 09	245 RCL 01	50 SQRT		
51 +	116 STO 02	181+LBL 91	246 ST+ 06	51 RCL 13		
52 STO 01	117 STO 08	182 FS? IND 01	247 *	52 /		
53 DSE X	118 LASTX	183 GTO 98	248 +	53 INT		
54 1 E3	119 +	184 RCL 01	249 9	54 RCL 13		
55 /	120 STO 07	185 RCL 01	250 ST+ 06	55 *		
56 9	121 RCL 08	186 RCL 00	251 +	56 STO 03		
57 +	122 RCL 00	187 *	252 STO 02	57 CHS		
58 STO 02	123 ST- 02	188 +	253+LBL 07	58 STO 07		
59 RTN	124 +	189 9	254 RCL 01	59+LBL 01		
60+LBL "MI"	125 1	190 STO 06	255 RCL 03	60 RCL 00		
61 "N=?"	126 ST+ 05	191 STO 08	256 X=Y?	61 X†2		
62 PROMPT	127 -	192 +	257 GTO 07	62 RCL 03		
63 STO 00	128 RCL 01	193 RCL IND X	258 RCL 04	63 X†2		
64 CF 19	129 /	194 X=0?	259 ST* IND 06	64 +		
65 GTO 01	130 ST+ 08	195 GTO 90	260 CHS	65 SQRT		

01LBL "3D-PLOT"	66 XEQ IND 09	XEQ "3D-PLOT"
02 CF 12	67 RCL 11	NAME?
03 "NAME?"	68 *	PEPE
04 RDN	69 RCL 03	RUN
05 PROMPT	70 .7	ACCOL?
06 ROFF	71 *	33.0000 RUN
07 ASTO 09	72 -	INCX?
08 "ACCOL?"	73 RCL 12	3.0000 RUN
09 PROMPT	74 +	YMAX?
10 STO 04	75 INT	60.0000 RUN
11 30	76 RCL 01	INCY?
12 STO 05	77 X<>Y	5.0000 RUN
13 CHS	78 X<=Y?	AXIS?
14 STO 08	79 GTO 02	22.0000 RUN
15 X†2	80 STO 01	YMAX = 30
16 STO 10	81 ENTER↑	-----
17 "INCX?"	82 X<> 02	3D-PLOT OF PEPE
18 PROMPT	83 -	3D-PLOT OF PEPE
19 STO 06	84 1	-----
20 "YMAX?"	85 -	-----
21 PROMPT	86 SKPCOL	-----
22 STO 11	87 RCL 04	-----
23 "INCY?"	88 ACCOL	-----
24 PROMPT	89LBL 02	-----
25 STO 13	90 RCL 08	-----
26 CHS	91 ST+ 03	-----
27 STO 08	92 RCL 03	-----
28 "AXIS?"	93 RCL 07	-----
29 PROMPT	94 X<=Y?	-----
30 STO 12	95 GTO 01	-----
31 ADV	96 PRBUF	-----
32 " 3D-PLOT OF "	97 RCL 06	-----
33 ARCL 09	98 ST+ 00	-----
34 PRA	99 RCL 05	-----
35 -----	100 RCL 00	-----
36 ACA	101 X<=Y?	-----
37 ACA	102 GTO 00	-----
38 ACA	103 CF 12	-----
39 ACA	104 ADV	-----
40 ADV	105 END	-----
41 SF 12	ACCOL = 1	INCY=3
42LBL 00		ACCOL = 127
43 CLX	3D-PLOT OF PEPE	ACCOL=73
44 STO 01	3D-PLOT OF PEPE	CF 12
45 STO 02	-----	-----
46 RCL 10	-----	-----
47 RCL 00	-----	-----
48 X†2	-----	-----
49 -	-----	-----
50 SQRT	-----	-----
51 RCL 13	-----	-----
52 /	-----	-----
53 INT	-----	-----
54 RCL 13	-----	-----
55 *	-----	-----
56 STO 03	-----	-----
57 CHS	-----	-----
58 STO 07	-----	-----
59LBL 01	-----	-----
60 RCL 00	-----	-----
61 X†2	-----	-----
62 RCL 03	-----	-----
63 X†2	-----	-----
64 +	-----	-----
65 SQRT	-----	-----

01+LBL "IF"	66 VIEW X	57 XEQ 01	44 "V"	01+LBL "II"	01+LBL "W"	66 5	57 X<> IND 13
02 "NOMBRE?"	67 RND	58 ST+ 12	45+LBL 03	02 "NOMBRE=?"	02 "A"	67 *	58 X<> IND 11
03 AON	68 RCL 09	59 5	46 "F"	03 AON	03 ASTO 01	68 1	59 ISG 13
04 PROMPT	69 X*Y?	60 ST* 12	47 ARCL X	04 PROMPT	04 "E"	69 +	60 DSE 11
05 AOFF	70 GTO 01	61 RCL 11	48 AVIEW	05 AOFF	05 ASTO 02	70 ARCL IND X	61 GTO 03
06 ASTO 00	71 LASTX	62 XEQ 01	49 RTN	06 ASTO 10	06 "I"	'1 .END.	62 GTO 01
07 "atb?"	72 .END.	63 8	50+LBL "1"	07 "AUX"	07 ASTO 03		63+LBL 04
08 PROMPT		64 *	51 XEQ IND 10	08 ASTO 00	08 "0"		64 CLA
09+LBL "IP"		65 RCL 12	52 X†2	09 "a=?"	09 ASTO 04		65 ARCL 12
10 STO 06	01+LBL 01	66 +	53 RTN	10 PROMPT	10 "U"	01+LBL "R"	66 "F MOVES"
11 X<>Y	02 STO 15	67 RCL 10	54+LBL "AP"	11 STO 12	11 ASTO 05	02 CLRG	67 AVIEW
12 STO 07	03 RCL 14	68 *	55 "1"	12 1	12 "B"	03 STO 00	68 .END.
13 RCL 00	04 RCL 13	69 9	56 XEQ 00	13 X<>Y	13 ASTO 06	04 "N?"	
14 1	05 GTO "IP"	70 /	57 2	14 CF 01	14 "C"	05 PROMPT	
15 STO 08	06+LBL "ID"	71 RCL 18	58 /	15 X<>Y?	15 ASTO 07	06 STO 11	
16+LBL 01	07 "NOMBRE?"	72 +	59+LBL 01	16 SF 01	16 "D"	07 1 E3	
17 X<>Y	08 AON	73 DSE 20	60 "A"	17 X<>Y?	17 ASTO 08	08 /	
18 STO 09	09 STOP	74 GTO 02	61 GTO 03	18 X<>Y	18 "F"	09 1	
19 RCL 07	10 AOFF	75 .END.	62+LBL "AR"	19 1/X	19 ASTO 09	10 +	
20 RCL 06	11 ASTO 00		63 "0"	20 0	20 "G"	11 STO 10	
21 STO 04	12 CF 00		64 XEQ 00	21 X<>Y	21 ASTO 10	12 STO 13	
22 -	13 "N?"		65 GTO 01	22 XEQ "IP"	22 "J"	13+LBL 00	
23 RCL 08	14 PROMPT	01+LBL "LP"	66+LBL "0"	23 FC?C 01	23 ASTO 11	14 RCL 00	
24 ST+ 08	15 STO 20	02 "3"	67 GTO IND 10	24 RTN	24 "L"	15 R-D	
25 STO 01	16 "atbtcd?"	03 GTO 02	68+LBL "DY"	25 X<> 12	25 ASTO 12	16 FRC	
26 /	17 PROMPT	04+LBL "3"	69+LBL 04	26 RCL 10	26 "M"	17 STO 00	
27 STO 05	18 STO 13	05 STO 14	70 STO 11	27 STO 00	27 ASTO 13	18 RCL 11	
28 2	19 RDN	06 XEQ IND 10	71 8 E-4	28 SIGN	28 "N"	19 *	
29 /	20 STO 14	07 X<> 14	72 STO 12	29 SIGN	29 ASTO 14	20 INT	
30 ST+ 04	21 RDN	08 XEQ 04	73 ST+ 12	30 XEQ "IP"	30 "P"	21 1	
31 .6	22 X<>Y	09 RCL 14	74 ST- 11	31 RCL 12	31 ASTO 15	22 +	
32 SQRT	23 STO 16	10 R-P	75 +	32 +	32 "R"	23 RCL IND X	
33 *	24 -	11 RTN	76 XEQ IND 10	33 CLD	33 ASTO 16	24 X*?	
34 STO 03	25 RCL 20	12+LBL "LR"	77 STO 13	34 BEEP	34 "S"	25 GTO 00	
35 CLX	26 /	13 "2"	78 RCL 11	35 RTN	35 ASTO 17	26 RCL 13	
36 STO 02	27 STO 17	14+LBL 02	79 XEQ IND 10	36+LBL "AUX"	36 "T"	27 STO IND Z	
37+LBL 00	28 CLX	15 XEQ 00	80 ST- 13	37 STO 11	37 ASTO 18	28 ISG 13	
38 RCL 04	29+LBL 02	16 "L"	81 RCL 12	38 1/X	38 "V"	29 GTO 00	
39 RCL 03	30 STO 18	17 GTO 03	82 ST/ 13	39 XEQ IND 10	39 ASTO 19	30+LBL 01	
40 +	31 RCL 16	18+LBL "2"	83 RCL 13	40 RCL 11	40 "Z"	31 FIX 0	
41 XEQ IND 00	32 RCL 16	19+LBL 05	84 RTN	41 X†2	41 ASTO 20	32 CLA	
42 5	33 RCL 17	20 XEQ 04	85+LBL 00	42 /	42 "LISTO"	33 CF 00	
43 *	34 ST+ 16	21 1	86 ASTO 00	43 .END.	43 PROMPT	34 RCL 10	
44 ST- 02	35 +	22 R-P	87 "NOMBRE ?"		44+LBL 00	35+LBL 02	
45 RCL 04	36 STO 10	23 RTN	88 AON		45 CLA	36 RCL IND X	
46 RCL 03	37 X<>Y	24+LBL "AG"	89 STOP		46 XEQ 01	37 X<>Y	
47 -	38 ST- 10	25 "4"	90 AOFF		47 XEQ 01	38 X*Y?	
48 XEQ IND 00	39 +	26 XEQ 00	91 ASTO 10		48 XEQ 01	39 SF 00	
49 5	40 2	27 PI	92 "X1†X2 ?"		49 XEQ 01	40 ARCL IND X	
50 *	41 ST/ 10	28 *	93 PROMPT		50 AVIEW	41 ISG X	
51 ST- 02	42 /	29 ST+ X	94 CF 00		51 GTO 00	42 GTO 02	
52 RCL 04	43 STO 11	30 GTO 01	95 GTO "IP"		52+LBL 01	43 FC?C 00	
53 XEQ IND 00	44 RCL 10	31+LBL "4"	96 .END.		53 RCL 00	44 GTO 04	
54 8	45 .6	32 STO 14			54 R-D	45 PROMPT	
55 *	46 SQRT	33 XEQ IND 10			55 FRC	46 STO 11	
56 ST- 02	47 *	34 X<> 14			56 STO 00	47 2 E3	
57 RCL 05	48 +	35 XEQ 05			57 15	48 /	
58 ST+ 04	49 XEQ 01	36 RCL 14			58 *	49 FIX 3	
59 DSE 01	50 STO 12	37 *			59 6	50 RND	
60 GTO 00	51 RCL 11	38 RTN			60 +	51 ST+ 11	
61 RCL 02	52 RCL 10	39+LBL "VR"			61 ARCL IND X	52 RCL 10	
62 *	53 .6	40 "1"			62 RCL 00	53 ST+ 12	
63 18	54 SQRT	41 XEQ 00			63 R-D	54 STO 13	
64 /	55 *	42 PI			64 FRC	55+LBL 03	
65 FS? 00	56 -	43 *			65 STO 00	56 X<> IND 11	

01+LBL "AJA"	66 FS? 05	131+LBL C	196 /	261 ARCL X	01+LBL "RP"	66 RND	131 GTO 02
02 CF 29	67 RTN	132 STO 21	197 -	262 PROMPT	02 FIX 0	67 X#0?	132 RTN
03 SF 27	68 SF 05	133 SF 09	198 /	263 .END.	03 CF 29	68 GTO 01	133+LBL 00
04 CF 05	69 "Y"	134 XEQ IND 21	199 STO 11		04 "N?"	69 X>Y	134 RCL 04
05 CF 06	70 GTO 09	135 CF 09	200 ST* 02		05 PROMPT	70 RND	135 RCL 03
06 CF 09	71+LBL 11	136 RTN	201 *	01+LBL "RF"	06 STO 00	71 X#0?	136 XEQ 03
07 CLRG	72 FS? 06	137+LBL 01	202 RCL 00	02 "NOMBRE?"	07 STO 03	72 GTO 01	137 RCL IND 05
08 1	73 RTN	138 CF 07	203 RCL 01	03 AON	08 9.008	73 SF 00	138 FS? 01
09 STO 19	74 SF 06	139 CF 08	204 X†2	04 STOP	09 +	74 XEQ 11	139 RCL 08
10 GTO 07	75 "X"	140 RCL 17	205 RCL 09	05 ROFF	10 STO 01	75 1	140 FS? 01
11+LBL A	76+LBL 09	141 STO 00	206 /	06 ASTO 00	11 STO 05	76 ST+ 05	141 *
12 CF 10	77 "I<=0"	142 RCL 15	207 -	07 "X0?"	12 RCL 00	77 ST+ 06	142 +
13+LBL 06	78 AVIEW	143 RCL 18	208 /	08 PROMPT	13 ST+ X	78 1 E-3	143 FS? 00
14 STO 01	79 BEEP	144 RCL 14	209 STO 00	09+LBL "RP"	14 10	79 ST+ 01	144 STO IND 05
15 X<=0?	80 RTN	145 RCL 16	210 FS?C 22	10 CF 00	15 +	80 RCL 03	145 X>Y
16 XEQ 10	81+LBL E	146 GTO 08	211 STO 12	11 STO 02	16 STO 02	81 STO IND 05	146 RCL IND 06
17 X>Y	82 RCL 21	147+LBL 02	212 RCL 12	12 50	17 STO 06	82 RCL 04	147 FS? 01
18 STO 02	83 INT	148 FS? 05	213 X>Y?	13 STO 03	18+LBL 05	83 STO IND 06	148 RCL 08
19 X=0?	84 "LIN"	149 GTO 05	214 GTO 09	14+LBL 00	19 "A"	84 DSE 00	149 FS? 01
20 XEQ 11	85 2	150 SF 07	215 X>Y	15 RCL 02	20 ARCL 03	85 GTO 06	150 *
21 EREG 14	86 X=Y?	151 CF 08	216 STO 12	16 1	21 "I=?"	86 BEEP	151 +
22 FC? 10	87 "EXP"	152 RCL 07	217 RCL 21	17 D-R	22 PROMPT	87 RCL 01	152 FS? 00
23 Σ+	88 RDN	153 STO 00	218 STO 20	18 D-R	23 STO IND 05	88 INT	153 STO IND 06
24 FS? 10	89 3	154 RCL 15	219+LBL 09	19 +	24 "B"	89 10	154 X>Y
25 Σ-	90 X=Y?	155 RCL 13	220 RCL 01	20 XEQ IND 00	25 ARCL 03	90 -	155 FS? 01
26 RDN	91 "LOG"	156 RCL 14	221 RCL 02	21 STO 01	26 "I=?"	91 1 E3	156 DSE 08
27 RCL 02	92 RDN	157 RCL 06	222 -	22 RCL 02	27 PROMPT	92 /	157+LBL 02
28 FC? 06	93 4	158 GTO 08	223 RCL 09	23 XEQ IND 00	28 STO IND 06	93 ST- 05	158 DSE 06
29 LN	94 X=Y?	159+LBL 03	224 /	24 X=0?	29 DSE 03	94+LBL 10	159 DSE 05
30 *	95 "POT"	160 FC? 05	225 STO 10	25 GTO 01	30 X>Y	95 ISG 00	160 GTO 00
31 FS? 10	96 RCL 10	161 FS? 06	226 FS? 09	26 ST- 01	31 DSE 06	96+LBL 14	161 RTN
32 CHS	97 FS? 07	162 GTO 05	227 GTO E	27 RCL 01	32 DSE 05	97 "RAIZ"	162+LBL 03
33 ST+ 03	98 E†X	163 CF 07	228 RTN	28 X=0?	33 GTO 05	98 FIX 0	163 STO L
34 LASTX	99 RCL 11	164 SF 08	229+LBL 05	29 SIGN	34 RCL 03	99 ARCL 00	164 RT
35 RCL 01	100 RCL 00	165 RCL 17	230 FC? 09	30 /	35+LBL 06	100 AVIEW	165 ST* Y
36 FC? 05	101 AVIEW	166 STO 00	231 RTN	31 D-R	36 CF 00	101 PSE	166 X> Z
37 LN	102 PSE	167 RCL 05	232 "TIPO"	32 D-R	37 CHS	102 "U="	167 ST* Z
38 X>Y	103 FIX 4	168 RCL 03	233 FIX 0	33 ST- 02	38 STO 04	103 FIX 7	168 RT
39 EREG 04	104 "a="	169 RCL 04	234 ARCL 21	34 RND	39 FIX 2	104 ARCL IND 05	169 ST* Y
40 FC? 10	105 ARCL Z	170 RCL 16	235 "I" ERR	35 X=0?	40 RND	105 PROMPT	170 ST* L
41 Σ+	106 AVIEN	171 GTO 08	236 AVIEW	36 GTO 01	41 FIX 6	106 "V="	171 X> L
42 FS? 10	107 PSE	172+LBL 04	237 BEEP	37 DSE 03	42 X#0?	107 ARCL IND 06	172 RT
43 Σ-	108 "b="	173 FC? 05	238 RTN	38 GTO 00	43 GTO 01	108 PROMPT	173 -
44 RDN	109 ARCL Y	174 FS? 06	239+LBL D	39 SF 00	44 SIGN	109 DSE 06	174 RDN
45 RCL 02	110 AVIEW	175 GTO 05	240 FS? 08	40+LBL 01	45 STO 04	110 DSE 05	175 +
46 *	111 PSE	176 SF 07	241 LN	41 RCL 02	46+LBL 01	111 GTO 10	176 RT
47 FS? 10	112 "R2="	177 SF 08	242 RCL 11	42 .END.	47 RCL 00	112 RTN	177 .END.
48 CHS	113 ARCL X	178 RCL 07	243 *		48 STO 08	113+LBL 11	
49 ST+ 13	114 AVIEW	179 STO 00	244 RCL 10		49 SF 01	114 RCL 01	
50+LBL 07	115 RTN	180 RCL 05	245 +		50 XEQ 11	115 STO 05	
51 FIX 0	116+LBL c	181 RCL 08	246 FS? 07		51 R-P	116 RCL 02	
52 "X"	117 SF 09	182 RCL 04	247 E†X		52 1/X	117 STO 06	
53 ARCL 19	118 GTO 12	183 RCL 06	248 "Y="		53 STO 07	118 FC? 01	
54 "I†Y"	119+LBL B	184+LBL 08	249 ARCL X		54 X>Y	119 GTO 13	
55 ARCL 19	120 CF 09	185 STO 01	250 PROMPT		55 CHS	120 1 E-3	
56 "I" ? "	121+LBL 12	186 X>Y	251+LBL d		56 STO 08	121 ST+ 05	
57 PROMPT	122 1.004	187 STO 02	252 FS? 07		57 CF 01	122+LBL 13	
58 RCL 02	123 STO 21	188 *	253 LN		58 XEQ 11	123 RCL IND 06	
59 RCL 01	124+LBL 00	189 RCL 09	254 RCL 10		59 RCL 08	124 RCL IND 05	
60+LBL a	125 XEQ IND 21	190 /	255 -		60 RCL 07	125 FC? 01	
61 SF 10	126 ISG 21	191 -	256 RCL 11		61 P-R	126 GTO 02	
62 "BORRAR"	127 GTO 00	192 X>Y	257 /		62 XEQ 03	127 RCL 08	
63 AVIEW	128 FS? 09	193 RCL 02	258 FS? 08		63 ST- 03	128 ST* Z	
64 GTO 06	129 RTN	194 X†2	259 E†X		64 X>Y	129 *	
65+LBL 10	130 RCL 20	195 RCL 09	260 "X="		65 ST- 04	130 DSE 08	

01+LBL "CHKERS"	68 ISG 00 135 RCL 05 202 RCL 01	269+LBL 38	336 X?Y?	403 PROMPT	478 X<Y	01+LBL "P"
02 CF 12	69 GTO 09 136 XEQ 13 203 INT	270 RCL 09	337 GTO 00 404 10	471 GTO 08	02 ADV	
03 FIX 0	70 GTO 38 137 X=0?	271 -99	338 STO 02 405 /	472+LBL 00	03 31	
04 CF 29	71+LBL 01 138 XEQ 28 205 RCL 04	272 "YOU WIN"	339 XEQ 06 406 INT	473 RCL 03	04 STO 03	
05 CLRG	72 STO 02 139 RTN	273 X=Y?	340 2 407 STO 14	474 7	05 35	
06 1	73 XEQ 00 140+LBL 27 207 RCL 05	274 PROMPT	341 XEQ 06 408 LASTX	475 X?Y?	06 STO 04	
07 STO 20	74 1 141 XEQ 28 208 STO 13	275 "FROM "	342 2 409 FRC	476 GTO 20	07 45	
08 STO 36	75 STO 02 142 RTN	276 ARCL 10	343 STO 02 410 10	477 2	08 STO 02	
09 STO 52	76 RCL 03 143+LBL 28 210+LBL 04	277 ARCL 11	344 CHS 411 *	478 RCL 02	09 79	
10 STO 68	77 XEQ 00 144 RCL 05 211 STO 08	278+LBL 39	345 XEQ 06 412 STO 15	479 RCL 03	10 STO 01	
11 STO 29	78 RTN 145 X=0?	279 STO 09	346 2 413 "TO?"	480 XEQ 12	11 16	
12 STO 45	79+LBL 02 146 GTO 00 213 RCL 04	280 "+ TO "	347 XEQ 06 414 PROMPT	481 GTO 20	12 STO 00	
13 STO 61	80 -1 147 RCL 00 214 RCL 08	281 ARCL 12	348+LBL 00 415 10	482+LBL 13	13 48.055	
14 STO 77	81 STO 02 148 RCL 01 215 +	282 ARCL 13	349 RCL 09 416 /	483 X>Y	14 CF 12	
15 STO 22	82 XEQ 00 149 XEQ 13 216 X<0?	283 AVIEW	350 -99 417 INT	484 8	15 25	
16 STO 38	83 1 150 -1 217 RTN	284 BEEP	351 X?Y? 418 STO 00	485 *	16 GTO 00	
17 STO 54	84 XEQ 00 151 X?Y? 218 X>Y?	285 PSE	352 GTO 45 419 STO 02	486 +	17+LBL 01	
18 STO 70	85 1 152 GTO 00 219 RTN	286 RCL 13	353 CLA 420 LASTX	487 20	18 11	
19 CHS	86 STO 02 153 2 220 RCL 05	287 X=0?	354 GTO 39 421 FRC	488 +	19+LBL 00	
20 STO 33	87 CHS 154 ST+ 06 221 1	288 GTO 07	355+LBL 07 422 10	489 STO 19	20 SKPCOL	
21 STO 49	88 XEQ 00 155+LBL 00 222 -	289 RCL 10	356 -2 423 *	490 RDN	21 X>Y	
22 STO 65	89 1 156 RCL 01 223 X<0?	290 RCL 11	357 GTO 40 424 STO 03	491 RCL IND T	22 ACCHR	
23 STO 81	90 XEQ 00 157 INT 224 RTN	291 XEQ 13	358+LBL 06 425 STO 01	492 RTN	23 ISG X	
24 STO 26	91 RTN 158 RCL 05 225 XEQ 13	292+LBL 40	359 STO 03 426 RCL 14	493+LBL 12	24 GTO 01	
25 STO 42	92+LBL 00 159 - 226 X<0?	293 STO 16	360 RCL 00 427 RCL 15	494 X>Y	25 PRBUF	
26 STO 58	93 STO 03 160 ABS 227 GTO 05	294 RCL 12	361 INT 428+LBL 08	495 8	26 27.08308	
27 STO 74	94 RCL 00 161 2 228 RCL 04	295 RCL 13	362 RCL 02 429 XEQ 13	496 *	27 STO 05	
28 STO 35	95 INT 162 X?Y? 229 RCL 08	296 XEQ 12	363 + 430 RCL 02	497 +	28 8	
29 STO 51	96 RCL 02 163 GTO 00 230 -	297 0	364 STO 04 431 RCL 03	498 20	29+LBL 02	
30 STO 67	97 + 164 5 231 STO 18	298 RCL 10	365 RCL 01 432 XEQ 12	499 +	30 1	
31 STO 83	98 STO 04 165 ST+ 06 232 X<0?	299 RCL 11	366 INT 433 0	500 RDN	31 -	
32 -99	99 RCL 01 166+LBL 00 233 RTN	300 XEQ 12	367 RCL 03 434 STO IND 19 501 STO IND T	32 STO 14		
33 STO 09	100 INT 167 7 234 7	301 RCL 10	368 + 435 RCL 14	502 END	33 ACX	
34 FS? 55	101 RCL 03 168 RCL 01 235 X?Y?	302 RCL 12	369 STO 05 436 RCL 02		34 SF 12	
35 XEQ "P"	102 + 169 INT 236 RTN	303 -	370 X<0?	437 -	35 2	
36 CF 23	103 STO 05 170 X?Y? 237 RCL 05	304 ABS	371 RTN 438 ABS		36 SKPCOL	
37 "HP 1ST?"	104 X<0? 171 GTO 00 238 1	305 2	372 7 439 2		37+LBL 10	
38 AON	105 RTN 172 2 239 +	306 X?Y?	373 X?Y? 440 X?Y?		38 2	
39 PROMPT	106 7 173 ST- 06 240 STO 07	307 GTO 45	374 RTN 441 GTO 00		39 SKPCOL	
40 AOFF	107 X?Y? 174+LBL 00 241 X>Y?	308 0	375 RCL 04 442 0		40 RCL IND 05	
41 FS?C 23	108 RTN 175 RCL 01 242 RTN	309 RCL 10	376 X>Y? 443 RCL 14		41 +	
42 GTO 46	109 RCL 04 176 INT 243 RCL IND 19 310 RCL 12	310 RCL 12	377 RTN 444 RCL 02		42 RCL IND X	
43+LBL 20	110 X?Y? 177 X=0? 244 X<0?	311 STO 00	378 X<0? 445 +		43 ACCHR	
44 "I MOVE"	111 RTN 178 ISG 06 245 RTN	312 +	379 RTN 446 2		44 ISG 05	
45 AVIEW	112 X<0? 179 X=0? 246 RCL 18	313 2	380 RCL 05 447 /		45 GTO 10	
46 7 E-3	113 RTN 180 GTO 03 247 RCL 07	314 /	381 XEQ 13 448 RCL 15		46 PRBUF	
47 STO 00	114 RCL 05 181 7 248 XEQ 13	315 RCL 11	382 X<0? 449 RCL 03		47 65	
48+LBL 09	115 XEQ 13 182 RCL 04 249 X=0?	316 RCL 13	383 RTN 450 +		48 ST- 05	
49 7 E-3	116 X=0? 183 X=Y? 250 GTO 00	317 STO 01	384 RCL 02 451 2		49 CF 12	
50 STO 01	117 GTO 27 184 ISG 06 251 RCL 00	318 +	385 2 452 /		50 RCL 14	
51+LBL 10	118 X?0? 185+LBL 03 252 INT	319 2	386 / 453 XEQ 12		51 X?0?	
52 -1	119 RTN 186 -1 253 RCL 18	320 /	387 RCL 00 454 "+TO?"		52 GTO 02	
53 RCL 00	120 RCL 02 187 XEQ 04 254 X?Y?	321 XEQ 12	388 + 455 PROMPT		53 ADV	
54 RCL 01	121 ST+ 04 188 1 255 RTN	322 RCL 16	389 RCL 03 456 X<0?		54 ADV	
55 XEQ 13	122 RCL 03 189 XEQ 04 256 RCL 01	323 -1	390 2 457 GTO 00		55 ADV	
56 STO 15	123 ST+ 05 190 CLX 257 INT	324 X?Y?	391 / 458 10		56 END	
57 X>Y?	124 RCL 05 191 X>0 06 258 RCL 07	325 GTO 00	392 RCL 01 459 /			
58 GTO 00	125 X?0? 192 RCL 09 259 X?Y?	326 ST+ X	393 + 460 INT	LBL "CHKERS		
59 X=Y?	126 RTN 193 X=Y? 260 RTN	327 STO 02	394 XEQ 13 461 LASTX	END	760 BYTES	
60 XEQ 01	127 7 194 RTN 261+LBL 00	328 XEQ 06	395 X?0? 462 FRC	LBL "P"		
61 RCL 15	128 X?Y? 195 X>Y? 262 2	329 2	396 GTO 28 463 10	END	102 BYTES	
62 -2	129 RTN 196 RTN 263 ST- 06	330 STO 02	397 RTN 464 *			
63 X=Y?	130 RCL 04 197 X>Y 264 RTN	331 RCL 03	398+LBL 45 465 X>0 03			
64 XEQ 02	131 X?Y? 198 STO 09 265+LBL 05	332 XEQ 06	399 FS? 55 466 STO 15			
65+LBL 00	132 RTN 199 RCL 00 266 1	333+LBL 00	400 XEQ "P" 467 X>Y	STATUS:		
66 ISG 01	133 X?0? 200 INT 267 ST+ 06	334 RCL 16	401+LBL 46 468 X>0 02	SIZE= 084		
67 GTO 10	134 RTN 201 STO 10 268 RTN	335 -2	402 "FROM?" 469 STO 14			

01+LBL "MLR"	66 RCL 00	131 PROMPT	196 GTO 07	261 RCL 00	326 STO 01
02 SF 27	67 +	132 STO IND 01	197 RCL 03	262+LBL 00	327 FS? 16
03 CF 17	68 1	133 RCL 09	198 X=Y?	263 CF IND X	328 GTO 23
04 CF 29	69 -	134 STO 01	199 GTO 06	264 DSE X	329 1
05 SF 21	70 1 E3	135 1 E-3	200 RCL IND 08	265 GTO 00	330 STO 02
06 CLRG	71 /	136 +	201 RCL IND 07	266 RTN	331 RCL IND 01
07 FIX 0	72 +	137 STO 02	202 *	267+LBL 98	332 STO 03
08 "LIN ?"	73 STO 01	138 10	203 RCL 04	268 ISG 01	333 ISG 01
09 AON	74 STO 09	139 STO 03	204 *	269 GTO 91	334+LBL 25
10 PROMPT	75 GTO A	140+LBL 15	205 ST- IND 06	270 "ERROR"	335 "X"
11 ARFF	76+LBL B	141 RCL IND 01	206+LBL 06	271 PROMPT	336 ARCL 02
12 ASTO X	77 SF 17	142 RCL IND 02	207 1	272+LBL C	337 "I=?"
13 "N"	78+LBL A	143 *	208 ST+ 06	273 XEQ I	338 PROMPT
14 ASTO Y	79 FS?C 00	144 FS? 17	209 ST+ 08	274 10	339 RCL IND 01
15 FC? 55	80 XEQ I	145 CHS	210 ISG 03	275 STO 03	340 *
16 CF 21	81 CF 00	146 ST+ IND 03	211 GTO 04	276 RCL 09	341 ST+ 03
17 ADV	82 FIX 0	147 ISG 03	212 RCL 00	277 STO 01	342 ISG 02
18 X=Y?	83 RCL 10	148 CLX	213 ST- 08	278 1.001	343 X<>Y
19 GTO 47	84 1	149 ISG 01	214+LBL 05	279 RCL 00	344 ISG 01
20 "LIN"	85 +	150 GTO 15	215 ST+ 07	280 *	345 GTO 25
21 AVIEW	86 FC? 55	151 RCL 09	216 RCL 05	281 -	346 RCL 03
22 PSE	87 CF 21	152 STO 01	217 STO 03	282 STO 02	347 GTO 24
23 CF 16	88 ADV	153 ISG 02	218 ISG 02	283 STO 04	348+LBL 23
24 "N. VAR. X ?"	89 "POINT "	154 GTO 15	219 GTO 04	284 CLX	349 "X=?"
25 GTO 49	90 FC? 17	155 CF 17	220 GTO 14	285+LBL 01	350 PROMPT
26+LBL 47	91 ARCL X	156 GTO A	221+LBL 07	286 RCL IND 02	351 1/X
27 "POL"	92 AVIEW	157+LBL I	222 RCL 00	287 RCL IND 03	352 ENTER↑
28 AVIEW	93 PSE	158 RCL 00	223 ST+ 06	288 *	353 ENTER↑
29 PSE	94 SF 21	159 1	224 GTO 05	289 +	354 ENTER↑
30 SF 16	95 RCL 09	160 -	225+LBL 14	290 ISG 03	355 RCL IND 01
31 "DEGREE?"	96 STO 01	161 1 E3	226 STO 06	291 STO 06	356 ISG 01
32+LBL 49	97 1	162 /	227 RCL 00	292 ISG 02	357+LBL 26
33 PROMPT	98 STO 02	163 STO 01	228 ST* 06	293 GTO 01	358 *
34 1	99 STO IND 01	164 STO 05	229 RCL 01	294 STO IND 01	359 RCL IND 01
35 +	100 ISG 01	165+LBL 91	230 ST+ 06	295 RCL 04	360 +
36 STO 00	101 SF 21	166 FS? IND 01	231 *	296 STO 02	361 ISG 01
37 X↑2	102 FS? 16	167 GTO 90	232 +	297 CLX	362 GTO 26
38 RCL 00	103 GTO 50	168 RCL 01	233 10	298 ISG 01	363 X<>Y
39 2	104+LBL 51	169 RCL 01	234 ST+ 06	299 GTO 01	364 RCL 00
40 *	105 "X"	170 RCL 00	235 +	300+LBL D	365 1
41 +	106 ARCL 02	171 *	236 STO 02	301 SF 21	366 -
42 10	107 "I=?"	172 +	237+LBL 08	302 ADV	367 Y↑X
43 +	108 PROMPT	173 10	238 RCL 01	303 CLX	368 /
44 SF 25	109 STO IND 01	174 STO 06	239 RCL 03	304 STO 02	369+LBL 24
45 RCL IND X	110 ISG 02	175 STO 07	240 X=Y?	305 RCL 09	370 FIX 4
46 FS?C 25	111 X<>Y	176 +	241 GTO 09	306 STO 01	371 "Y=?"
47 GTO 48	112 ISG 01	177 RCL IND X	242 RCL 04	307+LBL 02	372 ARCL X
48 1	113 GTO 51	178 X=0?	243 ST* IND 06	308 FIX 0	373 AVIEW
49 +	114 GTO 53	179 GTO 90	244 CHS	309 "A"	374 GTO E
50 FIX 0	115+LBL 50	180 1/X	245 ST* IND 02	310 ARCL 02	375 .END.
51 "SIZE "	116 "X=?"	181 STO IND Y	246+LBL 09	311 "I=?"	
52 ARCL X	117 PROMPT	182 STO 04	247 RCL 00	312 FIX 4	
53 PROMPT	118 ENTER↑	183 X<>Y	248 ST+ 06	313 ARCL IND 01	LBL "MLR
54+LBL 48	119 ENTER↑	184 RCL 01	249 ISG 02	314 AVIEW	.END. 651 BYTES
55 CF 00	120 ENTER↑	185 ST+ 07	250 X<>Y	315 ISG 02	
56 RCL 00	121 1	186 -	251 ISG 03	316 STO X	
57 XEQ 00	122+LBL 52	187 RCL 05	252 GTO 08	317 ISG 01	
58 RCL 00	123 *	188 STO 03	253 SF IND 01	318 GTO 02	
59 X↑2	124 STO IND 01	189 STO 02	254 RCL 05	319 CLX	
60 LASTX	125 ISG 02	190 +	255 STO 01	320 RTN	
61 +	126 X<>Y	191 STO 08	256+LBL 13	321+LBL E	
62 10	127 ISG 01	192+LBL 04	257 FC? IND 01	322 SF 21	
63 +	128 GTO 52	193 RCL 02	258 GTO 91	323 FIX 0	
64 ENTER↑	129+LBL 53	194 RCL 01	259 ISG 01	324 ADV	
65 ENTER↑	130 "Y=?"	195 X=Y?	260 GTO 13	325 RCL 09	

01+LBL "OTHELLO"	66 FS?C 23	131 RCL IND 00	196 GTO 06	261 28.105
02 CLRG	67 GTO 00	132 X#?	197 FS? 03	262 AVIEW
03 FIX 0	68 "I MOVE"	133 RTN	198 GTO 12	263 0
04 CF 29	69 AVIEW	134 CF 05	199+LBL 06	264+LBL 07
05 CF 01	70 SF 29	135 STO 01	200 FC? 55	265 RCL IND Y
06 CF 12	71+LBL 14	136 8.015	201 GTO 12	266 +
07 .8188111883	72 "I"	137 STO 02	202 ADV	267 ISG Y
08 STO 16	73 CF 03	138 RCL 09	203 31	268 GTO 07
09 .8661683138	74+LBL 08	139 FC? 03	204 STO 00	269 2
10 STO 17	75 16.027	140 CHS	205 45	270 /
11 .1316636633	76 FS?C 29	141 STO 04	206 STO 01	271 X>Y
12 STO 18	77 21	142+LBL 01	207 79	272 RDH
13 .3684855158	78 STO 05	143 RCL 00	208 STO 02	273 ST- Z
14 STO 19	79+LBL 11	144 RCL IND 02	209 2.01	274 +
15 .4148141564	80 RCL IND 05	145 +	210 STO 03	275 ADV
16 STO 20	81 X=?	146 STO 03	211 8	276 "HP: "
17 .6553564346	82 GTO 05	147 RCL IND X	212 SKPCOL	277 ARCL X
18 STO 21	83 SF 05	148 RCL 04	213 49.056	278 "+, YOU:
19 .3435747552	84+LBL 13	149 X=Y?	214 STO 04	279 ARCL Y
20 STO 22	85 RCL 10	150 GTO 12	215+LBL 02	280 AVIEW
21 .5742472425	86 X†2	151+LBL 03	216 RCL 13	281 BEEP
22 STO 23	87 *	152 LASTX	217 SKPCOL	282 ADV
23 .7376626732	88 STO 06	153 ST+ 03	218 X>Y	283 PSE
24 STO 24	89 INT	154 RCL IND 03	219 ACCHR	284 X=Y?
25 .3723268287	90 XEQ 12	155 RCL 04	220 ISG X	285 STOP
26 STO 25	91 FC?C 04	156 X=Y?	221 GTO 02	286 "I"
27 .7178212812	92 GTO 00	157 GTO 03	222 PRBUF	287 X>Y?
28 STO 26	93 RCL 06	158 CHS	223 28.035	288 "YOU"
29 .1772772227	94 FRC	159 X=Y?	224 STO 05	289 "+ WON"
30 STO 27	95 X#?	160 GTO 12	225+LBL 09	290 PROMPT
31 SIGN	96 GTO 13	161 STO IND 00	226 RCL 04	291 .END.
32 STO 62	97 FS? 05	162+LBL 04	227 ACCHR	
33 STO 09	98 STO IND 05	163 LASTX	228 RCL 15	
34 CHS	99+LBL 05	164 ST- 03	229 SKPCOL	
35 STO 08	100 ISG 05	165 RCL 00	230 SF 12	
36 STO 72	101 GTO 11	166 RCL 03	231+LBL 10	
37 9	102 "NO MOVE"	167 X=Y?	232 RCL IND 05	
38 STO 15	103 AVIEW	168 GTO 12	233 RCL 09	
39 CHS	104 TONE 9	169 RCL 08	234 +	
40 STO 14	105 PSE	170 ST* IND Y	235 RCL IND X	
41 +	106+LBL 00	171 ST- 01	236 ACCHR	
42 STO 11	107 FS?C 01	172 GTO 04	237 RCL 03	
43 CHS	108 GTO 14	173+LBL 12	238 SKPCOL	
44 STO 10	109 "MOVE ?"	174 ISG 02	239 ISG 05	
45 11	110 PROMPT	175 GTO 01	240 GTO 10	
46 STO 13	111 X=?	176 RCL 01	241 PRBUF	
47 CHS	112 GTO 14	177 X#?	242 ST+ 05	
48 STO 12	113 SF 03	178 RTN	243 CF 12	
49 61	114 "YOU"	179 CF 04	244 ISG 04	
50 STO 07	115 X#?	180 "+ PLAY "	245 GTO 09	
51 "DIAG ?"	116 SF 01	181 RCL 00	246 ADV	
52 CF 23	117 X#?	182 17	247 FS? 03	
53 AON	118 GTO 08	183 -	248 GTO 12	
54 PROMPT	119 XEQ 12	184 ARCL X	249 ADV	
55 RCL 09	120 FC?C 04	185 AVIEW	250 ADV	
56 RCL 08	121 GTO 14	186 FC? 01	251+LBL 12	
57 FS?C 23	122 "ILLEGAL"	187 FC? 03	252 DSE 07	
58 X>Y	123 AVIEW	188 BEEP	253 RTN	
59 STO 61	124 TONE 9	189 PSE	254 FC? 02	
60 X>Y	125 GTO 00	190 "FLIP "	255 GTO 12	
61 STO 71	126+LBL 12	191 ARCL 01	256 FS?C 03	
62 XEQ 06	127 SF 04	192 "+ PCES"	257 XEQ 06	
63 "HP 1ST ?"	128 17	193 AVIEW	258+LBL 12	
64 PROMPT	129 +	194 PSE	259 32	
65 AOFF	130 STO 00	195 FC? 02	260 "GAME IS OVER"	

01+LBL "KLINGON"	66 GTO 73	131 TONE 8	196 AVIEW	261 101X
02 TONE 8	67 RCL 03	132 TONE 7	197 PSE	262 7P(>S
03 TONE 9	68 STO 01	133 TONE 6	198 RTN	263 ST+ IND 25
04 "LA CAPTURA DEL"	69 RCL 04	134 TONE 5	199+LBL 75	264 7P(>S
05 "+ KLINGON+"	70 STO 02	135 TONE 4	200 "KLINGON CONTRA"	265 .END.
06 AVIEW	71 XEQ 84	136 TONE 3	201 "+TACA"	
07 TONE 8	72 .9	137 TONE 2	202 TONE 6	
08 TONE 8	73 -	138 TONE 1	203 TONE 7	
09 TONE 8	74 X>0?	139 TONE 0	204 TONE 8	
10 TONE 9	75 XEQ 75	140 "KLINGON DESTRUI"	205 TONE 9	
11 CF 29	76 XEQ 84	141 "FDO"	206 X(>Y	
12 FC? 06	77 .2	142 AVIEW	207 X(>Y	
13 "SEMILLA=?"	78 -	143 PSE	208 X(>Y	
14 FC? 06	79 X<0?	144 OFF	209 X(>Y	
15 PROMPT	80 XEQ 76	145+LBL 72	210 X(>Y	
16 FC? 06	81 RCL 07	146 XEQ 84	211 X(>Y	
17 STO 09	82 FC? 02	147 3	212 X(>Y	
18 SF 06	83 GTO 67	148 *	213 X(>Y	
19 CF 02	84 "ENERGIA ACABADA"	149 INT	214 TONE 8	
20 XEQ 84	85 TONE 6	150 1	215 TONE 9	
21 5	86 TONE 7	151 -	216 AVIEW	
22 *	87 TONE 8	152 ST+ IND 25	217 PSE	01+LBL "IT"
23 INT	88 TONE 9	153 RCL IND 25	218 "IMPACTO"	02 "Z=<=!@"
24 18	89 AVIEW	154 X<0?	219 TONE 9	03 RCL [
25 +	90 CF 02	155 CLX	220 TONE 9	04 X(> d
26 STO 08	91 OFF	156 STO IND 25	221 TONE 9	05 STO L
27 7P(>S	92+LBL 67	157 9	222 AVIEW	06 AON
28 7CLREG	93 "ULTIMA POSICION"	158 X=>Y?	223 1	07 "Z:Z:Z:"
29 7P(>S	94 "+="	159 STO IND 25	224 ST- 08	08 RSTO X
30 XEQ 71	95 ARCL X	160 RTN	225 RCL 08	09 ARCL X
31 STO 01	96 TONE 8	161+LBL 74	226 7DSP0	10 ARCL X
32 XEQ 71	97 AVIEW	162 XEQ 89	227 PSE	11 ARCL X
33 STO 02	98 PSE	163 X=0?	228 7DSP1	12 AVIEW
34+LBL 70	99+LBL 81	164 GTO 74	229 X=0?	13 CLX
35 RCL 01	100 "DISPARO=?"	165 "SECTOR YA DESTR"	230 SF 02	14 80
36 RCL 02	101 AVIEW	166 "VIDEO"	231 RTN	15+LBL 01
37 RCL 20	102 TONE 9	167 TONE 5	232+LBL 89	16 DSE X
38 /	103 CF 22	168 TONE 3	233 7P(>S	17 GTO 01
39 +	104+LBL 99	169 AVIEW	234 RCL IND 25	18 "SCROLLING"
40 STO 07	105 PSE	170 GTO 78	235 7P(>S	19 AVIEW
41 RCL 08	106 FC? 22	171+LBL 74	236 RCL 08	20 PSE
42 7DSP0	107 GTO 99	172 XEQ 78	237 1	21 "
43 "ENERGIA=?"	108 "**LECTURAS**"	173 GTO 78	238 +	22 "+
44 ARCL X	109 AVIEW	174+LBL 76	239 101X	23 SF 25
45 AVIEW	110 BEEP	175 XEQ 71	240 /	24 AVIEW
46 TONE 8	111 RCL 20	176 STO 25	241 FRC	25 PSE
47 7DSP1	112 /	177 RCL 01	242 RND	26 X(> L
48 X=0?	113 1	178 X=>Y?	243 RTN	27 STO [
49 SF 02	114 ST- 08	179 GTO 76	244+LBL 71	28 CLX
50+LBL 73	115 RDN	180 XEQ 71	245 XEQ 84	29 11
51 RCL 01	116 INT	181 STO 00	246 10	30 STO \
52 STO 03	117 STO 25	182 XEQ 89	247 STO 20	31 SF 99
53 RCL 02	118 LASTX	183 X*>?	248 *	32+LBL 08
54 STO 04	119 FRC	184 GTO 76	249 INT	33 SIN
55 3	120 RCL 20	185 "SUPERNOVA"	250 RTN	34 DSE \
56 STO 25	121 *	186 XEQ 78	251+LBL 84	35 GTO 08
57 XEQ 72	122 STO 00	187 RCL 25	252 RCL 09	36 X(> [
58 7ISZ	123 RCL 02	188 RCL 00	253 X=0?	37 STO d
59 XEQ 72	124 X*>Y?	189 RCL 20	254 1	38 CLX
60 RCL 03	125 GTO 74	190 /	255 R-D	39 CLA
61 STO 25	126 RCL 25	191 +	256 FRC	40 CLD
62 RCL 04	127 RCL 01	192 "+ EN SECTOR "	257 STO 09	41 RDH
63 STO 00	128 X*>Y?	193 ARCL X	258 RTN	42 .END.
64 XEQ 89	129 GTO 74	194 TONE 9	259+LBL 78	
65 X*>?	130 TONE 9	195 TONE 9	260 RCL 08	

01•LBL "CSTO"	66 X<> 01	131 --	196 *	261•LBL "ARC"	326 X<>Y	391 /
02 "CSTO"	67 X<> 03	132 SF 07	197 P-R	262 FC?C 03	327 STO 00	392 P-R
03 XEQ 04	68 X<> 05	133 GTO 05	198 E↑X	263 SF 03	328•LBL 12	393 FC?C 03
04 RCL 01	69 STO 07	134•LBL "C+"	199 FC? 01	264 GTO 11	329 R-P	394 GTO 99
05 STO IND Y	70 GTO 98	135 +-	200 P-R	265•LBL "HYP"	330 2	395 -1
06 RCL 00	71•LBL "CRDN"	136•LBL 05	201 GTO 09	266 FC?C 04	331 ST* Z	396 ST* Z
07 DSE Z	72 "RDN"	137 RCL 03	202•LBL "C1/X"	267 SF 04	332 Y↑X	397 *
08 STO IND Z	73 XEQ 85	138 RCL 02	203 "1/X"	268•LBL 11	333 P-R	398 R-P
09 GTO 98	74•LBL 92	139 FS? 01	204 -1	269 SF 08	334 1	399 LN
10•LBL 04	75 X<> 06	140 P-R	205 GTO 10	270 CLA	335 FC?C 06	400 -2
11 "+ -"	76 X<> 04	141 FS? 06	206•LBL "CSQRT"	271 FS? 03	336 CHS	401 ST/ Z
12 CF 22	77 X<> 02	142 R-P	207 "SQRT"	272 "HARC"	337 +	402 /
13 AVIEW	78 STO 08	143 XEQ 81	208 .5	273 FS? 04	338 R-P	403•LBL 99
14•LBL 00	79 X<>Y	144 FS? 06	209 GTO 10	274 "IHYP"	339 SQRT	404 FS?C 04
15 PSE	80 X<> 07	145 R-P	210•LBL "CX±2"	275 AVIEW	340 X<>Y	405 GTO 94
16 FC?C 22	81 X<> 05	146 X<>Y	211 "XT±2"	276 RTN	341 2	406 CHS
17 GTO 00	82•LBL 03	147 FS? 07	212 2	277•LBL "CSIN"	342 /	407 X<>Y
18 ST+ X	83 X<> 03	148 CHS	213•LBL 10	278 FC?C 08	343 X<>Y	408 GTO 94
19 11	84 GTO 01	149 ST+ T	214 XEQ 81	279 CLA	344 P-R	409•LBL 81
20 +	85•LBL "CX<>Y"	150 RDH	215 R-P	280 "HSIN"	345 RCL 01	410 FS? 02
21 RTN	86 "X<>Y"	151 FS?C 06	216 RCL Z	281 SF 06	346 ST+ Z	411 AVIEW
22•LBL "CRCL"	87 FS? 02	152 GTO 08	217 ST* Z	282 GTO 06	347 RDH	412 RCL 01
23 "CRCL"	88 AVIEW	153 FS?C 07	218 Y↑X	283•LBL "CCOS"	348 RCL 00	413 STO 09
24 XEQ 04	89 RCL 08	154 CHS	219 P-R	284 FC?C 08	349 +	414 RCL 08
25 RCL IND X	90 X<> 02	155 +	220•LBL 94	285 CLA	350 R-P	415 STO 08
26 DSE Y	91 STO 08	156 FS? 01	221 FS? 01	286 "FCOS"	351 LN	416 FS? 01
27 RCL IND Y	92 RCL 01	157 R-P	222 R-P	287•LBL 06	352 FS?C 04	417 P-R
28 GTO 01	93 GTO 03	158 GTO 09	223•LBL 95	288 RAD	353 GTO 94	418 .END.
29•LBL "ENT"	94•LBL "CCLX"	159•LBL 08	224 STO 00	289 XEQ 81	354 X<>Y	
30 "ENTER"	95 "CLX"	160 FS?C 07	225 X<>Y	290 FS?C 03	355 CHS	
31 SF 05	96 FS? 02	161 1/X	226 STO 01	291 GTO 95	356 GTO 94	
32 XEQ 85	97 AVIEW	162 *	227•LBL 90	292 FS? 04	357•LBL "CTAN"	
33 GTO 07	98 SF 05	163 FC? 01	228 CLA	293 GTO 08	358 RAD	
34•LBL "IN"	99 0	164 P-R	229 RCL 00	294 X<>Y	359 FC?C 08	
35 CF 22	100 STO 00	165•LBL 09	230 RND	295 CHS	360 CLA	
36 "IM=?"	101•LBL 01	166 STO 02	231 ARCL X	296•LBL 08	361 "HTAN"	
37 FS? 01	102 STO 01	167 X<>Y	232 "+ -"	297 E↑X	362 XEQ 81	
38 "z=?"	103 GTO 90	168 STO 03	233 RCL 01	298 ENTER†	363 FS? 04	
39 ASTO Y	104•LBL "CHS"	169 RCL 07	234 RND	299 1/X	364 GTO 13	
40 CLA	105 "CHS"	170 RCL 06	235 ARCL X	300 FS? 06	365 X<>Y	
41 ARCL X	106 SF 07	171 GTO 92	236 XEQ 85	301 CHS	366 CHS	
42 "+ -"	107 GTO 01	172•LBL "CP-R"	237 CF 00	302 RCL Z	367•LBL 13	
43 ARCL Y	108•LBL "CC"	173 "P-R"	238 FS?C 05	303 CHS	368 FS? 03	
44 AVIEW	109 "CONJ"	174 XEQ 85	239 SF 00	304 X<>Y	369 GTO 14	
45•LBL 02	110 CF 07	175 P-R	240 RTN	305 P-R	370 2	
46 PSE	111•LBL 01	176 GTO 95	241•LBL 85	306 RDH	371 ST* Z	
47 FC?C 22	112 XEQ 85	177•LBL "CR-P"	242 FS? 02	307 RDH	372 *	
48 GTO 02	113 FS? 01	178 "R-P"	243 AVIEW	308 P-R	373 E↑X	
49 X<>Y	114 P-R	179 XEQ 85	244 RCL 01	309 X<>Y	374 P-R	
50•LBL 01	115 FS?C 07	180 R-P	245 RCL 00	310 ST+ T	375•LBL 14	
51 FC?C 00	116 CHS	181 GTO 95	246 RTN	311 RDH	376 1	
52 GTO 07	117 X<>Y	182•LBL "CY±X"	247•LBL "CE±X"	312 +	377 -	
53 GTO 95	118 CHS	183 RAD	248 RAD	313 2	378 X<>Y	
54•LBL "CLSTX"	119 X<>Y	184 "Y↑X"	249 "E↑X"	314 ST/ Z	379 STO 00	
55 "LASTX"	120 GTO 94	185 XEQ 81	250 XEQ 81	315 /	380 X<>Y	
56 FS? 02	121•LBL "C/-"	186 R-P	251 E↑X	316 FS?C 06	381 R-P	
57 AVIEW	122 "	187 RCL 03	252 P-R	317 GTO 99	382 LASTX	
58 RCL 09	123 SF 07	188 RCL 02	253 GTO 94	318 CF 04	383 2	
59 RCL 08	124 SF 06	189 FC? 01	254•LBL "CLN"	319 GTO 94	384 +	
60•LBL 07	125 GTO 05	190 R-P	255 RAD	320•LBL 95	385 RCL 00	
61 X<> 00	126•LBL "C*"	191 LN	256 "LN"	321 FC? 04	386 X<>Y	
62 X<> 02	127 "	192 R-P	257 XEQ 81	322 FC? 06	387 R-P	
63 X<> 04	128 SF 06	193 X<>Y	258 R-P	323 GTO 12	388 X<>Y	
64 STO 06	129 GTO 05	194 ST+ T	259 LN	324 CHS	389 ST- T	
65 X<>Y	130•LBL "C-"	195 RDH	260 GTO 94	325 STO 01	390 RDH	

01•LBL "WP"	66 SF 21	131 GTO 12	196 CLA	USER KEYS:	ENE 1977	SEP 1977
02 CF 00	67 GTO 12	132 -24	197 ISG 01	11 "A"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
03 CF 02	68•LBL "PE"	133•LBL 11	198 12	-11 "-"	1	1 2 3
04 CF 29	69 FC? 04	134 -	199 STO 00	12 "B"	2 3 4 5 6 7 8	4 5 6 7 8 9 10
05 FIX 0	70 RTN	135 X<Y	200 FC?C 02	-12 ")"	9 10 11 12 13 14 15	11 12 13 14 15 16 17
06 CLRG	71 RCL 02	136 4	201 SF 02	13 "C"	16 17 18 19 20 21 22	18 19 20 21 22 23 24
07 4.143	72 XEQ 03	137 FC?C 06	202 CLD	-13 "D"	23 24 25 26 27 28 29	25 26 27 28 29 30
08 STO 01	73 XEQ 03	138 CHS	203 TONE 9	14 "D"	30 31	
09•LBL "EA"	74 RDN	139 ST+ 02	204 RTN	-14 "+"		OCT 1977
10 CF 21	75 SF 21	140 SIGN	205 .END.	15 "E"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
11 CF 04	76 PRA	141 +		-15 "AS"	1	
12 12	77 CF 21	142 X<Y		21 "F"	1 2 3 4 5	2 3 4 5 6 7 8
13 STO 00	78 GTO 12	143 GTO 12		-21 "+"	6 7 8 9 10 11 12	9 10 11 12 13 14 15
14 CLA	79•LBL "CD"	144•LBL 07		22 "G"	13 14 15 16 17 18 19	16 17 18 19 20 21 22
15 RTN	80 SF 05	145 SF 04		-22 "\$"	20 21 22 23 24 25 26	23 24 25 26 27 28 29
16•LBL "DW"	81•LBL "CU"	146 RCL 01		23 "H"	27 28	30 31
17 SF 12	82 CLA	147 STO 02		-23 "*"		
18 SF 01	83 FC? 04	148 STO 03		24 "I"		MAR 1977
19 XEQ 02	84 XEQ 07	149 INT		-24 "<"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
20 XEQ 02	85 X<Y	150 4		25 "J"	1 2 3 4 5	1 2 3 4 5
21 CF 12	86 1	151 /		-25 "KR"	6 7 8 9 10 11 12	6 7 8 9 10 11 12
22 RTN	87 FC? 05	152 INT		32 "K"	13 14 15 16 17 18 19	13 14 15 16 17 18 19
23•LBL "PR"	88 CHS	153 LASTX		33 "L"	20 21 22 23 24 25 26	20 21 22 23 24 25 26
24•LBL 02	89 +	154 FRC		34 "M"	27 28 29 30 31	27 28 29 30
25 12	90 X<Y	155 4		-34 "EP"		
26 STO 00	91 4	156 *		35 "CR"		ABR 1977
27 CF 04	92 FC?C 05	157 ST- 02		-35 "CL"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
28 2	93 CHS	158 1		41 "N"	1	1 2 3
29 ENTER†	94 ST+ 02	159 +		42 "O"	3 4 5 6 7 8 9	4 5 6 7 8 9 10
30 SF 21	95 ST+ 03	160 6		-42 "ER"	10 11 12 13 14 15 16	11 12 13 14 15 16 17
31 ADV	96 RDN	161 *		43 "P"	17 18 19 20 21 22 23	18 19 20 21 22 23 24
32 RCL 01	97•LBL 12	162 RTN		-44 "WP"	24 25 26 27 28 29 30	25 26 27 28 29 30 31
33 INT	98•LBL A	163•LBL "SH"		51 "Q"		
34 2	99 CF 06	164 FC?C 00		-51 "--"		MAY 1977
35 -	100 "L"	165 SF 00		52 "R"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
36 1 E3	101 ARCL Y	166 AVIEW		-52 "7"	1 2 3 4 5 6 7	1 2 3
37 /	102 "I--"	167 RTN		53 "S"	8 9 10 11 12 13 14	
38 +	103 ARCL IND 03	168•LBL "KR"		-53 "8"	15 16 17 18 19 20 21	
39 FC?C 01	104 "I--"	169 1		54 "T"	22 23 24 25 26 27 28	
40 +	105 ARCL X	170 STO 00		-54 "9"	29 30 31	
41 SF 03	106 AVIEW	171 "I"		61 "U"		JUN 1977
42•LBL 01	107 CLA	172 GTO "I"		-61 "CU"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
43 CLA	108 6	173•LBL "AS"		62 "V"	1 2 3 4	1 2 3 4
44 XEQ 03	109 STO 00	174 CF 27		-62 "4"	5 6 7 8 9 10 11	
45 XEQ 03	110 RDN	175 BEEP		63 "W"	12 13 14 15 16 17 18	
46 PRA	111 RTN	176 STOP		-63 "5"	19 20 21 22 23 24 25	
47 FS? 03	112•LBL "CR"	177 SF 27		64 "X"	26 27 28 29 30	
48 GTO 01	113 FC? 04	178 0		-64 "6"		JUL 1977
49 CLA	114 RTN	179 X<Y		71 "Y"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
50 CF 21	115 SF 06	180 BLDSPEC		-71 "CD"	1	1 2 3
51 RTN	116•LBL "CL"	181 ARCL X		72 "Z"	3 4 5 6 7 8 9	
52•LBL 03	117 FC? 04	182 RDN		-72 "1"	10 11 12 13 14 15 16	
53 FS? 12	118 XEQ 07	183•LBL "I"		73 "3"	17 18 19 20 21 22 23	
54 +	119 1	184 AVIEW		-73 "2"	24 25 26 27 28 29 30	
55 XEQ 06	120 FC? 06	185 TONE 7		74 "2"	31	AGO 1977
56•LBL 06	121 CHS	186 DSE 00		-74 "3"	DO LU MA MI JU VI SA	DO LU MA MI JU VI SA
57 ARCL IND X	122 ST+ 03	187 RTN		81 "SH"	1 2 3 4 5 6	1 2
58 ISG X	123 6	188 FS? 04		-81 ":"	7 8 9 10 11 12 13	
59 RTN	124 *	189 ASTO IND 03		82 " "	14 15 16 17 18 19 20	
60 CF 03	125 +	190 FS? 04		-82 "0"	21 22 23 24 25 26 27	
61 RTN	126 24	191 GTO A		83 ","	28 29 30 31	
62•LBL "EP"	127 X<Y?	192 ASTO IND 01		-83 "."		
63 FC? 04	128 GTO 11	193 ASHF		84 "PR"		
64 RTN	129 RDN	194 ISG 01		-84 "DW"		
65 FC?C 21	130 X*0?	195 ASTO IND 01				

01+LBL "PLOTAR"	66 1	131 ISG 09		01+LBL "\$"	66 GTO "↑" 131 FC? 00	196+LBL "Q"
02 CF 12	67 +	132 GTO 07		XEQ "PLOTAR"	02 FC? 00	67+LBL ".," 132 "F"
03 AON	68 FIX 0	133 STO IND Y	NOMBRE?		03 "F\$"	68 "F," 133 FS? 00
04 "NOMBRE?"	69 RND	134 ISG 10	SINX/X	RUN 04 FS? 00	69 GTO "↑" 134 "F"	198 "FQ"
05 PROMPT	70 168	135 GTO 06	Y MIN?		05 "F*"	70+LBL "0" 135 GTO "↑" 200 "F"
06 AOFF	71 X>Y	136 11.016		-3.	RUN 06 GTO "↑"	71 "F0" 136+LBL "G" 201 GTO "↑"
07 ASTO 05	72 X>Y?	137 STO 09	Y MAX?		07+LBL "*"	72 GTO "↑" 137 FC? 00
08 "Y MIN?"	73 0	138 11.017		1.	RUN 08 FC? 00	73+LBL "1" 138 "F"
09 PROMPT	74 ENTER†	139 STO 10	X MIN?		09 "F*"	74 "F1" 139 FS? 00
10 STO 00	75 0	140+LBL 08		-13.	RUN 10 FS? 00	75 GTO "↑" 140 "F"
11 "Y MAX?"	76 X<=Y?	141 ISG 10	X MAX?		11 "F="	76+LBL "2" 141 GTO "↑"
12 PROMPT	77 X<Y	142 RCL IND 10		13.	RUN 12 GTO "↑"	77 "F2" 142+LBL "H"
13 STO 01	78 STO IND 07	143 INT	X INC?		13+LBL "<"	78 GTO "↑" 143 FC? 00
14 "X MIN?"	79 RCL 04	144 RCL IND 09		.1276	RUN 14 FC? 00	79+LBL "3" 144 "F"
15 PROMPT	80 ST+ 06	145 INT			15 "F<"	80 "F3" 145 FS? 00
16 STO 02	81 RCL 06	146 X=Y?	GRAFICA DE SINX/X		16 FS? 00	81 GTO "↑" 146 "F"
17 "X MAX?"	82 RCL 03	147 GTO 09	Y: -0.30 A 1.00		17 "F>"	82+LBL "4" 147 GTO "↑"
18 PROMPT	83 X<Y?	148 LASTX	X: -13.00 A 13.00		18 GTO "↑"	83 "F4" 148+LBL "I" 213 GTO "↑"
19 STO 03	84 GTO 04	149 FRC	INC: 0.13		19+LBL "("	84 GTO "↑" 149 FC? 00
20 "X INC?"	85 ISG 07	150 ST+ IND 10	-----		20 FC? 00	85+LBL "5" 150 "F"
21 PROMPT	86 GTO 01	151 CLX			21 "F"	86 "F5" 151 FS? 00
22 STO 04	87 XEQ 05	152 STO IND 09			22 FS? 00	87 GTO "↑" 152 "F"
23 ADV	88 4	153+LBL 09			23 "F"	88+LBL "6" 153 GTO "↑"
24 "GRAFICA DE "	89 RCL 04	154 ISG 09			24 GTO "↑"	89 "F6" 154+LBL "J" 219 GTO "↑"
25 ARCL 05	90 *	155 GTO 08			25+LBL ")"	90 GTO "↑" 155 FC? 00
26 PRA	91 ST+ 06	156 11.017			26 FC? 00	91+LBL "7" 156 "F"
27 FIX 2	92 RCL 06	157 STO 09			27 "F)"	92 "F7" 157 FS? 00
28 "Y:	93 RCL 03	158 0			28 FS? 00	93 GTO "↑" 158 "F"
29 ARCL 00	94 X<Y?	159 STO 10			29 "F]"	94+LBL "8" 159 GTO "↑"
30 "F A "	95 RTN	160+LBL 10			30 GTO "↑"	95 "F8" 160+LBL "K" 225 GTO "↑"
31 ARCL 01	96 GTO 00	161 RCL IND 09			31+LBL "—"	96 GTO "↑" 161 FC? 00
32 PRA	97+LBL 04	162 INT			32 "F-"	97+LBL "9" 162 "F"
33 "X: "	98 0	163 X=0?			33 GTO "↑"	98 "F9" 163 FS? 00
34 ARCL 02	99 STO IND 07	164 GTO 11			34+LBL "+"	99 GTO "↑" 164 "F"
35 "F A "	100 ISG 07	165 ENTER†			35 "F+"	100+LBL "A" 165 GTO "↑"
36 ARCL 03	101 GTO 04	166 X<> 10			36 GTO "↑"	101 FC? 00 166+LBL "L" 231 GTO "↑"
37 PRA	102+LBL 05	167 -			37+LBL "!"	102 "FA" 167 FC? 00
38 FIX 2	103 1 E-3	168 1			38 FC? 00	103 FS? 00 168 "F"
39 "INC: "	104 ST+ 11	169 -			39 "F"	104 "Fa" 169 FS? 00
40 ARCL 04	105 ST+ X	170 SKPCOL			40 FS? 00	105 GTO "↑" 170 "F"
41 PRA	106 ST+ 12	171 RCL IND 09			41 "F&"	106+LBL "B" 171 GTO "↑"
42 "-----"	107 ST+ X	172 FRC			42 GTO "↑"	107 FC? 00 172+LBL "M"
43 ACA	108 ST+ 13	173 1 E3			43+LBL "!"	108 "FB" 173 FC? 00
44 ACA	109 ST+ X	174 *			44 FC? 00	109 FS? 00 174 "FM"
45 ACA	110 ST+ 14	175 ACCOL			45 "F+"	110 "Fb" 175 FS? 00
46 ACA	111 ST+ X	176+LBL 11			46 FS? 00	111 GTO "↑" 176 "F"
47 ADV	112 ST+ 15	177 ISG 09			47 "F+"	112+LBL "C" 177 GTO "↑"
48 167	113 ST+ X	178 GTO 10			48 GTO "↑"	113 FC? 00 178+LBL "N"
49 RCL 01	114 ST+ 16	179 PRBUF			49+LBL "!"	114 "FC" 179 FC? 00
50 RCL 00	115 ST+ X	180 END			50 FC? 00	115 FS? 00 180 "FN"
51 -	116 ST+ 17				51 "F:"	116 "Fc" 181 FS? 00
52 /	117 12.017				52 FS? 00	117 GTO "↑" 182 "Fn"
53 STO 08	118 STO 10				53 "F/"	118+LBL "D" 183 GTO "↑"
54 RCL 02	119+LBL 06				54 GTO "↑"	119 FC? 00 184+LBL "O"
55 STO 06	120 RCL 10				55+LBL "?"	120 "FD" 185 FC? 00
56+LBL 00	121 STO 09				56 FC? 00	121 FS? 00 186 "FO"
57 11.017	122 1				57 "F?"	122 "Fd" 187 FS? 00
58 STO 07	123 -				58 FS? 00	123 GTO "↑" 188 "Fo"
59+LBL 01	124 RCL IND X				59 "F!"	124+LBL "E" 189 GTO "↑"
60 RCL 06	125+LBL 07				60 GTO "↑"	125 FC? 00 190+LBL "P"
61 XEQ IND 05	126 RCL IND 09				61+LBL "!"	126 "FE" 191 FC? 00
62 RCL 00	127 X<Y?				62 FC? 00	127 FS? 00 192 "FP"
63 -	128 X<Y				63 "F"	128 "Fe" 193 FS? 00
64 RCL 08	129 STO IND 09				64 FS? 00	129 GTO "↑" 194 "Fp"
65 *	130 RDN				65 "F"	130+LBL "F" 195 GTO "↑"
						260 "F,"
						261 GTO "↑"
						262 .END.

01+LBL "EMPEZAR"	68+LBL "CAMBIAR"	135 AVIEW	202 ST+ 05	269 +	336 RCL IND 22	493 ISG X
02 CLRG	69 "JUG?"	136 BEEP	203 STO IND 02	270 ST- 19	337 RCL IND 23	494 ADV
03 FIX 0	70 PROMPT	137 RTN	204 GTO 20	271 1	338 +	495 ISG Y
04 CF 29	71 30	138+LBL "NEGRO"	205+LBL 05	272 ST+ 15	339 STO 28	496 ISG Z
05 "AP. INICIAL=?"	72 +	139 XEQ 05	206 RCL 14	273 ST- 16	340 RTN	497 ISG T
06 PROMPT	73 "AP?"	140 XEQ 04	207 ST- 13	274 2	341+LBL 12	498 ISG L
07 STO 00	74 PROMPT	141 FC? 03	208 3	275 ST- 18	342 "C4"	499 GTO 14
08 1	75 XEQ IND Y	142 XEQ 10	209 RCL 11	276+LBL 40	343 AVIEW	500 RCL 06
09 XEQ 21	76 GTO 89	143 FS? 03	210 X(Y?)	277 RCL 15	344 TONE 9	501 RCL 13
10 1	77+LBL "ROJO"	144 XEQ 08	211 GTO 06	278 RCL 16	345 1	502 +
11 XEQ 22	78 XEQ 07	145 FC? 04	212 CLX	279 X=Y?	346 ST+ 24	503 RCL 20
12 "ALARMA=?"	79 XEQ 02	146 XEQ 13	213 X(>) IND 08	280 CLST	347+LBL 24	504 +
13 PROMPT	80 FS? 03	147 FS?C 04	214 RCL IND 09	281 X=Y?	348 STO 25	505 RCL 27
14 STO 31	81 XEQ 10	148 XEQ 11	215 +	282 RCL IND 15	349 152	506 +
15 1	82 FC?C 03	149 SF 03	216 ST- 12	283 RCL IND 16	350 STO 22	507 "G. TOTAL=?"
16 XEQ 23	83 XEQ 08	150 GTO 81	217 1	284 +	351 STO 23	508 ARCL X
17 1	84 FS? 04	151+LBL 02	218 ST+ 08	285 STO 21	352 RCL 08	509 X#0?
18 XEQ 24	85 XEQ 13	152 RCL 07	219 ST- 09	286 RTN	353+LBL 34	510 "I00"
19 SF 03	86 FC? 04	153 ST- 06	220 2	287+LBL 09	354 STO 28	511 AVIEW
20 CF 04	87 XEQ 11	154 3	221 ST- 11	288 "C3"	355 STO 26	512 END
21 "ANTERIOR ?"	88 SF 04	155 RCL 04	222+LBL 30	289 AVIEW	356 STO IND 22	
22 AON	89+LBL 81	156 X(Y?)	223 RCL 08	290 TONE 9	357 RTN	LBL "EMPEZAR"
23 STOP	90 4.03307	157 GTO 03	224 RCL 09	291 1	358+LBL 13	LBL "CERRAR"
24 ROFF	91 STO 29	158 CLX	225 X=Y?	292 ST+ 17	359 1	LBL "CAMBIAR"
25 ASTO X	92 1	159 X(>) IND 01	226 CLST	293+LBL 23	360 ST+ 23	LBL "ROJO"
26 "R"	93 +	160 RCL IND 02	227 X=Y?	294 STO 18	361 ST+ 25	LBL "NEGRO"
27 ASTO Y	94 STO 30	161 +	228 RCL IND 08	295 112	362 RCL 28	LBL "INFORMA"
28 X=Y?	95+LBL 01	162 ST- 05	229 RCL IND 09	296 STO 15	363 ST+ 27	END 873 BYTES
29 CF 03	96 3	163 1	230 +	297 STO 16	364 ST+ 26	
30 X=Y?	97 RCL IND 29	164 ST+ 01	231 STO 14	298 RCL 00	365 STO IND 23	SIZE 192
31 SF 04	98 X=Y?	165 ST- 02	232 RTN	299+LBL 33	366 GTO 50	
32+LBL 80	99 XEQ 83	166 2	233+LBL 06	300 STO 21	367+LBL "INFORMA"	USER KEYS:
33 CLA	100 ISG 29	167 ST- 04	234 "C2"	301 STO 19	368 FIX 0	11 "EMPEZAR"
34 RCL 14	101 ISG 30	168+LBL 20	235 AVIEW	302 STO IND 15	369 CF 29	12 "INFORMA"
35 RCL 07	102 GTO 01	169 RCL 01	236 TONE 9	303 RTN	370 3.03307	13 "CERRAR"
36 RCL 21	103 2.03307	170 RCL 02	237 1	304+LBL 10	371 RCL X	14 "ROJO"
37 FS? 03	104 STO 29	171 X=Y?	238 ST+ 10	305 1	372 1	15 "NEGRO"
38 ST+ Z	105 71.9994	172 CLST	239+LBL 22	306 ST+ 16	373 +	23 "CAMBIAR"
39 FC? 03	106 STO 30	173 X=Y?	240 STO 11	307 ST+ 18	374 RCL X	
40 ST+ Y	107 "MUY LARGO"	174 RCL IND 01	241 72	308 RCL 21	375 1	
41 RCL 28	108+LBL 00	175 RCL IND 02	242 STO 08	309 ST+ 20	376 +	
42 FS? 04	109 RCL IND 29	176 +	243 STO 09	310 ST+ 19	377 ABS	
43 ST+ T	110 RCL 30	177 STO 07	244 RCL 00	311 STO IND 16	378 1	
44 FC? 04	111 INT	178 RTN	245+LBL 32	312 GTO 40	379 ST+ L	
45 ST+ Z	112 X=Y?	179+LBL 03	246 STO 14	313+LBL 11	380+LBL 14	
46 ARCL T	113 AVIEW	180 "C1"	247 STO 12	314 RCL 28	381 "JUGADOR"	
47 "I-R-"	114 X=Y?	181 AVIEW	248 STO IND 08	315 ST- 27	382 ARCL X	
48 ARCL Z	115 BEEP	182 TONE 9	249 RTN	316 3	383 AVIEW	
49 "I-N=?"	116 ISG 30	183 1	250+LBL 07	317 RCL 25	384 PSE	
50 RT	117 ISG 29	184 ST+ 03	251 1	318 X(Y?)	385 "C. CERR=?"	
51 RT	118 GTO 00	185+LBL 21	252 ST+ 09	319 GTO 12	386 ARCL IND T	
52 -	119 GTO 80	186 STO 04	253 ST+ 11	320 CLX	387 AVIEW	
53 ABS	120+LBL 83	187 32	254 RCL 14	321 X(>) IND 22	388 PSE	
54 ARCL X	121 RCL IND 30	188 STO 01	255 ST+ 13	322 RCL IND 23	389 "R. ABIER=?"	
55 LASTX	122 RCL 31	189 STO 02	256 ST+ 12	323 +	390 ARCL IND Z	
56 X(<)?	123 X>Y?	190 RCL 00	257 STO IND 09	324 ST- 26	391 AVIEW	
57 "I-N"	124 RTN	191+LBL 31	258 GTO 30	325 1	392 PSE	
58 X>?	125 "JUG"	192 STO 07	259+LBL 08	326 ST+ 22	393 "SUM. AB=?"	
59 "I-R"	126 RCL 29	193 STO 05	260 RCL 21	327 ST- 23	394 ARCL IND Y	
60 PROMPT	127 3	194 STO IND 01	261 ST- 20	328 2	395 "I00"	
61+LBL "CERRAR"	128 +	195 RTN	262 3	329 ST- 25	396 AVIEW	
62 "JUG?"	129 7	196+LBL 04	263 RCL 18	330+LBL 50	397 PSE	
63 PROMPT	130 /	197 1	264 X(Y?)	331 RCL 22	398 "GANAN=?"	
64 3	131 ARCL X	198 ST+ 02	265 GTO 09	332 RCL 23	399 ARCL IND L	
65 *	132 "I= "	199 ST+ 04	266 CLX	333 X=Y?	400 "I00"	
66 XEQ IND X	133 ARCL IND 30	200 RCL 07	267 X(>) IND 15	334 CLST	401 AVIEW	
67 GTO 80	134 "I00"	201 ST+ 06	268 RCL IND 16	335 X=Y?	402 PSE	

01+LBL "EMP"	66 "HN="	131 "MUY LARGO"	196 GTO 14	261 ENTER↑	LBL'EMP
02 CLRG	67 -	132 X=Y?	197+LBL 12	262 ENTER↑	LBL'H
03 "2x8**"	68 ABS	133 AVIEW	198 RCL IND 07	263 ENTER↑	LBL'R
04 RCL I	69 ARCL X	134+LBL 11	199 ST- IND 06	264 9	LBL'INF
05 STO d	70 LASTX	135 XEQ 98	200 3	265 STO 00	LBL'A/D
06 "INIC?"	71 X<0?	136 ISG 64	201 RCL IND 04	266 +	LBL'CER
07 PROMPT	72 "HR"	137 GTO 09	202 X(Y?)	267 STO 01	LBL'CAM
08 STO 09	73 X>0?	138 GTO 00	203 GTO 03	268 +	END
09 STO 18	74 "HN"	139+LBL "INF"	204 RCL IND 01	269 STO 02	672 BYTES
10 STO 27	75 PROMPT	140 "J?"	205 RCL IND 02	270 +	
11 STO 36	76+LBL "N"	141 PROMPT	206 0	271 STO 03	USER KEYS:
12 STO 45	77 CF 00	142 CLA	207 X(>) IND Z	272 +	11 "EMP"
13 STO 54	78 GTO 11	143 FC? IND X	208 RCL IND Y	273 STO 04	12 "INF"
14 "AL?"	79+LBL "R"	144 "IN"	209 +	274 +	13 "CER"
15 PROMPT	80 SF 00	145 "FACTIVO"	210 ST- IND 05	275 STO 05	14 "R"
16 STO 63	81+LBL 11	146 AVIEW	211 1	276 +	15 "N"
17 XEQ 99	82 XEQ 99	147 9	212 ST+ IND 01	277 STO 06	23 "CAM"
18 65.19526	83 1.9	148 *	213 ST- IND 02	278 +	24 "A/D"
19 STO I	84 STO I	149 3	214 2	279 STO 07	
20+LBL 00	85 11.016	150 +	215 ST- IND 04	280 +	
21 RCL I	86 STO \	151 "CE"	216+LBL 20	281 STO 08	
22 INT	87+LBL 05	152 XEQ 07	217 RCL IND 01	282 RTN	
23 STO IND 08	88 FC? IND I	153 "AB"	218 RCL IND 02	283+LBL 98	
24 I	89 GTO 11	154 XEQ 07	219 CF 10	284 9	
25 XEQ 21	90 FS? IND \	155 "SUM AB"	220 X=Y?	285+LBL 06	
26 XEQ 98	91 XEQ 04	156 XEQ 13	221 SF 10	286 ST+ 00	
27 ISG I	92 FC? IND \	157 PSE	222 RCL IND Y	287 ST+ 01	
28 GTO 00	93 XEQ 02	158 1	223 RCL IND Y	288 ST+ 02	
29 "ANT?"	94+LBL 11	159 +	224 FC? 10	289 ST+ 03	
30 RDN	95 XEQ 98	160 "CANA"	225 +	290 ST+ 04	
31 STOP	96 ISG I	161 XEQ 13	226 STO IND 07	291 ST+ 05	
32 ROFF	97 ISG \	162 PSE	227 RTN	292 ST+ 06	
33 ASTO X	98 GTO 05	163 RCL 15	228+LBL 03	293 ST+ 07	
34 "R"	99 SF 13	164 RCL 24	229 1	294 ST+ 08	
35 ASTO Y	100 FS? 00	165 +	230 ST+ IND 03	295 RTN	
36 X=Y?	101 CF 13	166 RCL 33	231+LBL 21	296+LBL 01	
37 CF 13	102 CF 14	167 +	232 STO IND 04	297 RCL 05	
38 X=Y?	103 FS? 00	168 RCL 42	233 RCL IND 08	298+LBL 13	
39 SF 14	104 SF 14	169 +	234 STO IND 01	299 "I="	
40+LBL 80	105 FC?C 15	170 RCL 51	235 STO IND 02	300 ARCL IND X	
41 16.99909	106 SF 15	171 +	236 RCL IND 00	301+LBL 08	
42 STO I	107 FC?C 16	172 RCL 60	237+LBL 31	302 "I00"	
43 11.9	108 SF 16	173 +	238 STO IND 00	303 AVIEW	
44 STO \	109 XEQ 99	174 "TOT="	239 STO IND 07	304 RTN	
45 1.006	110 1.006	175 ARCL X	240 STO IND 05	305+LBL 93	
46 STO ]	111 STO 64	176 XEQ 00	241 RCL IND 01	306 XEQ 99	
47 CLST	112+LBL 09	177 GTO 00	242 X(>)Y	307 "J?"	
48+LBL 10	113 FC? IND 64	178+LBL "A/D"	243 STO IND Y	308 PROMPT	
49 FC? IND ]	114 GTO 11	179 "J?"	244 RTN	309 1	
50 GTO 11	115 "J"	180 PROMPT	245+LBL 04	310 -	
51 RCL IND I	116 ARCL 64	181 FC?C IND X	246 FC? 00	311 9	
52 FC? IND \	117 3	182 SF IND X	247 GTO 12	312 *	
53 ST+ Z	118 RCL IND 04	183 GTO 00	248+LBL 14	313 GTO 06	
54 FS? IND \	119 X<=Y?	184+LBL "CER"	249 1	314+LBL 07	
55 ST+ Y	120 "F 3AB"	185 XEQ 93	250 ST+ IND 02	315 "HR="	
56 RDN	121 X<=Y?	186 XEQ 03	251 ST+ IND 04	316 ARCL IND X	
57+LBL 11	122 AVIEW	187 GTO 00	252 RCL IND 07	317 AVIEW	
58 ISG I	123 RCL IND 05	188+LBL "CAM"	253 ST+ IND 06	318 PSE	
59 ISG \	124 RCL 63	189 XEQ 93	254 ST+ IND 05	319 1	
60 ISG ]	125 X<=Y?	190 "AP?"	255 RCL IND 02	320 +	
61 GTO 10	126 XEQ 01	191 PROMPT	256 X(>)Y	321 END	
62 CLA	127 RCL IND 08	192 XEQ 31	257 STO IND Y		
63 ARCL X	128 25	193 GTO 00	258 GTO 20		
64 "HR-"	129 +	194+LBL 02	259+LBL 99		
65 ARCL Y	130 RCL IND 02	195 FC? 00	260 1		

01+LBL "HM"	66 ST- 11	131 ":"	196 AVIEW	66 SIGN
02 FIX 0	67 ARCL IND 13	132 ASTO Y	67 WDTAX	67 X>?
03 CF 23	68+LBL 06	133 X=Y?	68 ROFF	68 LN
04 CF 29	69 AVIEW	134 GTO 12	69 RTN	69 2
05 SF 05	70 ISG 13	135 ":"	70+LBL 17	70 X<Y
06+LBL 00	71 GTO 03	136 ASTO Y	70 "MAS DE 6"	71 -
07 XEQ "EW"	72 RCL 11	137 X=Y?	70 AVIEW	72 X>Y
08 CLX	73 X=0?	138 RTN	70 PSE	73 SIGN
09 STO 12	74 GTO 07	139 ISG 00	74 CLA	74 -
10 9	75 RCL 00	140 .	74 GTO 15	75 XEQ 06
11 1/X	76 10 <sup>1</sup> X	141 STO IND 00	75 END.	76 "I=ZONA"
12 10	77 /	142 GTO 13	76 R-D	77 ARCL X
13 RCL 00	78 STO 11	143+LBL 14	78 FRC	78 GTO 05
14 -	79 1	144 ISG 16	79 STO 00	79+LBL 04
15 10 <sup>1</sup> X	80 FC?C 06	145 GTO 13	80 INT	80 "YALE"
16 *	81 ST+ 12	146+LBL 11	80 RTN	81 BEEP
17 FRC	82 7	147 ":" +"	81 AVIEW	83 XEQ 06
18 STO 11	83 RCL 12	148 ASTO 33	82 TAN	84 "+ ERA"
19 CLA	84 X=Y?	149 ":" "	82 RTN	85 PROMPT
20 ARCL 00	85 GTO 08	150 ASTO 34	83 STO 00	86 GTO 07
21 "+ LETRAS"	86 32	151 ":" F"	86 CF 28	87+LBL 06
22+LBL 01	87 +	152 ASTO 35	87 CF 29	88 CLA
23 AON	88 LASTX	153 ":" a"	88 STO 07	89 FIX 0
24 AVIEW	89 X?Y?	154 ASTO 36	89 XEQ 00	90 ARCL 05
25+LBL 02	90 ARCL IND Y	155 ":" B"	90 STO 01	91 "+ : "
26 PSE	91 GTO 01	156 ASTO 37	91 XEQ 00	92 FIX 1
27 FC?C 23	92+LBL 07	157 ":" "	92 STO 02	93 ARCL 08
28 GTO 02	93 BEEP	158 ASTO 38	93 XEQ 01	94 FIX 0
29 ASTO X	94 GTO 00	159 17.032	94 STO 03	95 ISG 05
30 AVIEW	95+LBL 08	160 STO 16	95 XEQ 01	96 .END.
31 **	96 CLA	161 "*TARJETA*"	96 STO 04	
32 ASTO Y	97 RCL 00	162 AVIEW	32 1	
33 X=Y?	98 0	163 RDtax	33 STO 05	
34 GTO 08	99+LBL 09	164 GTO 13	34 "LISTO"	
35 STO 14	100 X=Y?	165+LBL 12	35+LBL 05	
36 RCL 00	101 GTO 10	166 SF 05	36 PROMPT	
37 1 E3	102 1	167 RTN	37 10	
38 /	103 +	168+LBL "BW"	38 /	
39 1	104 ARCL IND X	169 FIX 0	39 STO 08	
40 +	105 GTO 09	170 CF 23	40 STO 06	
41 STO 13	106+LBL 10	171 CF 29	41 FRC	
42 CF 06	107 AVIEW	172 1.016	42 ST- 06	
43 CLA	108 PSE	173 STO 00	43 10	
44+LBL 03	109 "AHORCADO :	174 STO Z	44 *	
45 10	110 AVIEW	175 AON	45 STO 07	
46 ST* 11	111 GTO 00	176 CLA	46 RCL 02	
47 RCL 11	112+LBL "EW"	177 ASTO Y	47 X?Y?	
48 INT	113 CLX	178+LBL 15	48 GTO 03	
49 X<Y	114 STO 00	179 ARCL Z	49 RCL 06	
50 /	115 FS?C 05	180 "+?"	50 RCL 01	
51 FRC	116 GTO 11	181 PROMPT	51 X=Y?	
52 X#0?	117+LBL 13	182 FC?C 23	52 GTO 04	
53 GTO 04	118 " "	183 GTO 16	53+LBL 03	
54 ARCL IND 13	119 ARCL IND 16	184 ASTO IND Z	54 RCL 03	
55 GTO 06	120 ASTO X	185 ASHF	55 RCL 04	
56+LBL 04	121 ASHF	186 ASTO X	56 RCL 01	
57 RCL IND 13	122 ASTO IND 16	187 X?Y?	57 RCL 06	
58 RCL 14	123 " "	188 GTO 17	58 -	
59 X=Y?	124 ARCL X	189 ISG Z	59 ST* Z	
60 GTO 05	125 ASHF	190 GTO 15	60 *	
61 "+"	126 ASTO X	191+LBL 16	61 RCL 07	
62 GTO 06	127 CLA	192 RCL 00	62 RCL 02	
63+LBL 05	128 ASTO Y	193 FIX 4	63 -	
64 SF 06	129 X=Y?	194 BEEP	64 ST+ Z	
65 1	130 GTO 14	195 "*TARJETA*"	65 +	

01+LBL "BRST"	66 RCL 00	131 +	196 X<Y	01+LBL 10	66 RDN
02 SF 27	67 XEQ 08	132 1 E3	197 LASTX	02 STO 00	67 RCL d
03 CF 29	68 1	133 /	198 /	03 7	68 X<Y [
04+LBL A	69 ST+ 08	134 10	199 ST+ 01	04 RCL c	69 RDN
05 "N?"	70 FC? 00	135 +	200 ABS	05+LBL "U"	70 "F:R:"
06 PROMPT	71 GTO 04	136 STO 08	201 X<Y	06 CLA	71 X<Y [
07 STO 00	72 ISG 08	137 RTN	202 ABS	07 X<Y [	72 RCL \
08 STO 09	73 FIX 4	138+LBL 00	203 +	08 X<Y	73 RT
09 XEQ 08	74 "X="	139 0	204 RCL 01	09 XEQ 14	74 XEQ 14
10 FIX 0	75 ARCL 11	140 STO 03	205 ABS	10 RCL d	75 RDN
11 CF 00	76 AVIEW	141 STO 04	206 RCL 02	11 X<Y [	76 X<Y \
12+LBL 03	77 PSE	142 STO 06	207 ABS	12 RCL \	77 7
13 RCL 00	78 PSE	143 STO 07	208 +	13 "F:U:"	78 RT
14 RCL 08	79+LBL 04	144 RCL 09	209 /	14 X<Y \	79 -
15 -	80 RCL IND 08	145 XEQ 08	210 PSE	15 4	80 X#?
16 10	81 2	146+LBL 01	211 RTN	16 XEQ 14	81 XEQ 14
17 +	82 /	147 RCL IND 08	212 .END.	17 .023	82 RCL \
18 RND	83 ENTER↑	148 RCL 03		18 RCL \	83 RTN
19 "A"	84 X↑2	149 RCL 02		19 X<Y d	84+LBL "S"
20 ARCL X	85 ISG 08	150 *		20 0	85 XEQ 10
21 "F??"	86 RCL IND 08	151 -		21+LBL 12	86 DEC
22 PROMPT	87 -	152 RCL 04		22 ENTER↑	87 64
23 STO IND 08	88 X<0?	153 STO 03		23 +	88 X↑2
24 ISG 08	89 GTO 06	154 RCL 01		24 1	89 +
25 GTO 03	90 SQRT	155 *		25 FC? IND T	90 OCT
26+LBL C	91 +	156 +		26 FRC	91 XEQ 11
27 "S0, P0 ?"	92 ENTER↑	157 STO 04		27 +	92 X<Y c
28 PROMPT	93 ENTER↑	158 FS? 00		28 ISG Z	93 RTN
29 STO 02	94 LASTX	159 STO IND 08		29 GTO 12	94+LBL "W"
30 X<Y	95 2	160 RCL 03		30 OCT	95 DEC
31 STO 01	96 *	161 RCL 06		31 RTN	96 192
32+LBL 02	97 -	162 STO 05		32+LBL 14	97 -
33 XEQ 00	98 1	163 RCL 02		33 "F--"	98 ENTER↑
34 1 E-8	99 GTO 07	164 *		34 DSE X	99 "i+j"
35 X<Y?	100+LBL 06	165 -		35 GTO 14	100 ASTO X
36 GTO 02	101 CHS	166 RCL 07		36 RTN	101 X<Y c
37 XEQ 00	102 SQRT	167 STO 06		37+LBL 11	102 RCL Z
38 SF 00	103 X<Y	168 RCL 01		38 7	103 STO IND Z
39 XEQ 00	104 -1	169 *		39 X<Y	104 X<Y
40 CF 00	105+LBL 07	170 +		40 RCL c	105 X<Y c
41 2	106 CF 05	171 STO 07		41+LBL "R"	106 .END.
42 ST- 09	107 X<0?	172 ISG 08		42 X<Y [	
43 ST- 08	108 SF 05	173 GTO 01		43 RDN	
44 RCL 01	109 RDN	174 RCL 03		44 -23	
45 STO IND 08	110 FIX 4	175 RCL 06		45 X<Y	
46 ISG 08	111 "X="	176 *		46 DEC	
47 RCL 02	112 FS? 05	177 RCL 04		47+LBL 13	
48 STO IND 08	113 "R="	178 RCL 05		48 CF IND Y	
49 RCL 09	114 ARCL X	179 *		49 2	
50 2	115 AVIEW	180 -		50 /	
51 X<Y?	116 PSE	181 RCL 03		51 ENTER↑	
52 GTO 02	117 PSE	182 RCL 07		52 FRC	
53 X>Y?	118 X>Y	183 *		53 X#?	
54 GTO 05	119 "X="	184 RCL 04		54 SF IND Z	
55 RCL 10	120 FS? 05	185 RCL 06		55 -	
56 ST/ 12	121 "I="	186 *		56 ISG Y	
57 CHS	122 ARCL X	187 -		57 GTO 13	
58 ST/ 11	123 AVIEW	188 RCL 07		58 *	
59 GTO 6	124 PSE	189 RCL 05		59 +	
60+LBL 05	125 PSE	190 *		60 RCL [	
61 RCL 10	126 ISG 08	191 RCL 06		61 X<Y	
62 CHS	127 GTO 04	192 X↑2		62 3	
63 ST/ 11	128 RTN	193 -		63 -	
64 SF 00	129+LBL 08	194 /		64 X#?	
65+LBL B	130 10	195 ST+ 02		65 XEQ 14	

01♦LBL "MI"	66 GTO 90	131 +	91♦LBL "BODE"	66 -	131 GTO 01
02 FIX 0	67 RCL 01	132 7	92 SF 00	67 *	132♦LBL B
03 CF 29	68 RCL 01	133 ST+ 06	93 CF 01	68 *	133 FS? 02
04 CF 19	69 RCL 05	134 +	94 CF 02	69 RCL 01	134 SF 00
05 "N=?"	70 *	135 STO 02	95 SF 27	70 +	135 FS?C 02
06 PROMPT	71 +	136♦LBL 00	96 CF 29	71 STO 00	136 RTN
07 STO 05	72 7	137 RCL 01	97 STOP	72 RDN	137 FS?C 01
08 X†2	73 STO 06	138 RCL 03	98♦LBL A	73 RCL 08	138 SF 02
09 6	74 STO J	139 X=Y?	99 FIX 0	74 CHS	139 FS?C 00
10 +	75 +	140 GTO 00	10 CLRG	75 *	140 SF 01
11 SF 25	76 RCL IND X	141 RCL 04	11 "G. NUM ?"	76 *	141 .END.
12 RCL IND X	77 X=0?	142 ST* IND 06	12 SF 05	77 RCL 06	
13 FS?C 25	78 GTO 90	143 CHS	13♦LBL 03	78 +	
14 GTO 99	79 1/X	144 ST* IND 02	14 PROMPT	79 *	
15 1	80 STO IND Y	145♦LBL 00	15 1	80 *	
16 +	81 STO 04	146 RCL 05	16 +	81 RCL 04	
17 "SIZE "	82 X>Y	147 ST+ 06	17 STO 00	82 -	
18 ARCL X	83 RCL 01	148 ISG 02	18♦LBL 02	83 *	
19 PROMPT	84 ST+ J	149 X<Y	19 "R"	84 *	
20♦LBL 99	85 -	150 ISG 03	20 RCL 00	85 RCL 02	
21 7	86 RCL 00	151 GTO 00	21 1	86 +	
22 STO 04	87 STO 03	152 SF IND 01	22 -	87 *	
23 RCL 05	88 STO 02	153 RCL 00	23 ARCL X	88 RCL 00	
24 1 E3	89 +	154 STO 01	24 "T" ?"	89 R-P	
25 /	90 STO \	155♦LBL 13	25 PROMPT	90 7P(>S	
26 1	91♦LBL 04	156 FC? IND 01	26 STO IND 00	91 FC?C 05	
27 +	92 RCL 02	157 GTO 91	27 DSE 00	92 GTO 05	
28 STO 00	93 RCL 01	158 ISG 01	28 GTO 02	93 STO 22	
29 STO 02	94 X=Y?	159 GTO 13	29 "G. DEN ?"	94 X>Y	
30 STO 03	95 GTO 07	160 RCL I	30 7P(>S	95 STO 10	
31♦LBL 10	96 RCL 03	161 STO d	31 FS?C 05	96 GTO 04	
32 FIX 0	97 X=Y?	162 SF 19	32 GTO 03	97♦LBL 05	
33 "A"	98 GTO 06	163 GTO 99	33♦LBL C	98 ST/ 22	
34 ARCL 02	99 RCL IND \	164♦LBL 90	34 "PULS ?"	99 X>Y	
35 "T,"	100 RCL IND J	165 ISG 01	35 PROMPT	100 ST- 00	
36 ARCL 03	101 *	166 GTO 91	36 STO 20	101 "GAIN="	
37 "T="	102 RCL 04	167 RCL I	37 "INC ?"	102 ARCL 22	
38 FIX 4	103 *	168 STO d	38 FS? 01	103 AVIEW	
39 FS? 19	104 ST- IND 06	169 "ERROR"	39 PROMPT	104 PSE	
40 ARCL IND 04	105♦LBL 06	170 PROMPT	40 FS? 02	105 PSE	
41 FC? 19	106 1	171 .END.	41 PROMPT	106 RCL 22	
42 "T?"	107 ST+ 06		42 STO 21	107 LOG	
43 PROMPT	108 ST+ \		43♦LBL 01	108 20	
44 FC? 19	109 ISG 03		44 SCI 2	109 *	
45 STO IND 04	110 GTO 04		45 "PULS.="	110 FIX 2	
46 ISG 04	111 RCL 05		46 ARCL 20	111 "dB="	
47 X>Y	112 ST- \		47 AVIEW	112 ARCL X	
48 ISG 03	113♦LBL 02		48 SF 05	113 AVIEW	
49 GTO 10	114 ST+ J		49♦LBL 04	114 PSE	
50 RCL 00	115 RCL 00		50 RCL 20	115 PSE	
51 STO 03	116 STO 03		51 ENTER↑	116 "ANG.="	
52 ISG 02	117 ISG 02		52 ENTER↑	117 ARCL 00	
53 GTO 10	118 GTO 04		53 ENTER↑	118 AVIEW	
54 FS?C 19	119 GTO 14		54 RCL 09	119 PSE	
55 RTN	120♦LBL 07		55 *	120 PSE	
56 1.001	121 RCL 05		56 *	121 RCL 20	
57 -	122 ST+ 06		57 RCL 07	122 RCL 21	
58 STO 00	123 GTO 02		58 -	123 "PULS ?"	
59 STO 01	124♦LBL 14		59 *	124 FS? 00	
60 RCL d	125 STO 06		60 *	125 PROMPT	
61 STO I	126 RCL 05		61 RCL 05	126 FS? 01	
62 0	127 ST+ 06		62 +	127 *	
63 STO d	128 RCL 01		63 *	128 FS? 02	
64♦LBL 91	129 ST+ 06		64 *	129 +	
65 FS? IND 01	130 *		65 RCL 03	130 STO 20	

01+LBL "MC"	66 +	131 RCL IND 02 196 1	261+LBL C	01+LBL "CA"
02 SF 27	67 STO 01	132 *	262 XEQ I	02 CLA
03 CF 29	68 STO 09	133 FS? 17	263 10	03 RCL C
04 CLRG	69 GTO A	134 CHS	264 STO 03	04 STO C
05 "LIN ?"	70+LBL B	135 ST+ IND 03 200 GTO 04	265 RCL 09	05 ASHF
06 RDN	71 SF 17	136 ISG 03	266 STO 01	06 XEQ 01
07 STOP	72+LBL A	137 CLX	267 1.001	07 RCL C
08 ROFF	73 FS?C 08	138 ISG 01	268 RCL 00	08 INT
09 ASTO X	74 XEQ I	139 GTO 20	269 *	09 1
10 "N"	75 CF 00	140 RCL 09	270 -	10 *
11 ASTO Y	76 FIX 0	141 STO 01	271 STO 02	11 16
12 X=Y?	77 RCL 10	142 ISG 02	272 STO 04	12 *
13 GTO 50	78 1	143 GTO 20	273 CLX	13 +
14 "LIN"	79 +	144 CF 17	274+LBL 31	14 CLA
15 AVIEW	80 "PUNTO "	145 GTO A	275 RCL IND 02	15 X>Y
16 PSE	81 FC? 17	146+LBL I	276 RCL IND 03	16 X> C
17 CF 16	82 ARCL X	147 RCL 00	277 *	17 "H12345"
18 "H. VAR. X ?"	83 AVIEW	148 1	278 +	18 X> \
19 GTO 49	84 PSE	149 -	279 ISG 03	19 "F6"
20+LBL 50	85 RCL 09	150 1 E3	280 STO 06	20 X> \
21 "POL"	86 STO 01	151 /	281 ISG 02	21 CLA
22 AVIEW	87 1	152 STO 01	282 GTO 31	22 STO C
23 PSE	88 STO 02	153 STO 05	283 STO IND 01	23 X>Y
24 SF 16	89 STO IND 01	154+LBL 91	284 RCL 04	24 XEQ 01
25 "GRADO ?"	90 ISG 01	155 FS? IND 01 220 *	285 STO 02	25 256
26+LBL 49	91 FS? 16	156 GTO 90	286 CLX	26 *
27 PROMPT	92 GTO 50	157 RCL 01	287 ISG 01	27 +
28 1	93+LBL 51	158 RCL 01	288 GTO 31	28 192
29 +	94 "X"	159 RCL 00	289+LBL D	29 X=Y?
30 STO 00	95 ARCL 02	160 *	290 CLX	30 GTO 02
31 X†2	96 "I=?"	161 +	291 STO 02	31 -
32 RCL 00	97 PROMPT	162 10	292 RCL 09	32 35
33 2	98 STO IND 01	163 STO 06	293 STO 01	33 X>Y?
34 *	99 ISG 02	164 STO 07	294+LBL 33	34 X>Y
35 +	100 X>Y	165 +	295 FIX 0	35 0
36 10	101 ISG 01	166 RCL IND X	296 "A"	36 STO e
37 +	102 GTO 51	167 X=0?	297 ARCL 02	37 STO ^
38 SF 25	103 GTO 53	168 GTO 90	298 "I="	38 "iA"
39 RCL IND X	104+LBL 50	169 1/X	299 FIX 4	39 RCL C
40 FS?C 25	105 "X??"	170 STO IND Y	300 ARCL IND 01	40+LBL 00
41 GTO 27	106 PROMPT	171 STO 04	301 AVIEW	41 X> C
42 1	107 ENTER↑	172 X>Y	302 STOP	42 X>Y
43 +	108 ENTER↑	173 RCL 01	303 ISG 02	43 STO IND Z
44 FIX 0	109 ENTER↑	174 ST+ 07	304 STO X	44 X>Y
45 "SIZE "	110 1	175 -	305 ISG 01	45 X> C
46 ARCL X	111+LBL 52	176 RCL 05	306 GTO 33	46 DSE Z
47 PROMPT	112 *	177 STO 03	307 CLX	47 GTO 00
48+LBL 27	113 STO IND 01	178 STO 02	308 END	48+LBL 02
49 CF 00	114 ISG 02	179 +	309	49 CLST
50 RCL 00	115 X>Y	180 STO 08	310	50 CLA
51 XEQ 39	116 ISG 01	181+LBL 04	311	51 RTM
52 RCL 00	117 GTO 52	182 RCL 02	312	52+LBL 01
53 X†2	118+LBL 53	183 RCL 01	313	53 "I***++"
54 LASTX	119 "Y??"	184 X=Y?	314	54 RCL C
55 +	120 PROMPT	185 GTO 07	315	55 FRC
56 10	121 STO IND 01	186 RCL 03	316	56 10
57 +	122 RCL 09	187 X=Y?	317	57 *
58 ENTER↑	123 STO 01	188 GTO 06	318	58 .END.
59 ENTER↑	124 1 E-3	189 RCL IND 08	319	
60 RCL 00	125 +	190 RCL IND 07	320	
61 +	126 STO 02	191 *	321	
62 1	127 10	192 RCL 04	322	
63 -	128 STO 03	193 *	323	
64 1 E3	129+LBL 20	194 ST- IND 06	324	
65 /	130 RCL IND 01	195+LBL 06	325	
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01+LBL "CR"	66 FS?C 00	01+LBL "T"	01+LBL "STKN"	66 STO 12	131 XEQ 07	01+LBL A
02+LBL A	67 OFF	02 ENTER†	02 "N??"	67 RDH	132 LASTX	02 "TELEFONO=?"
03 CLX	68 FC? 02	03 FIX 4	03 PROMPT	68 LASTX	133 RTN	03 PROMPT
04 STO 01	69 GTO 01	04+LBL C	04 11	69 X> 11	134+LBL "PI"	04 RCL 00
05 STO 02	70+LBL 06	05 RDH	05 +	70 FRC	135 XEQ 07	05 2.001
06 CF 00	71 CLX	06 .0001	06 1 E3	71 13	136 PI	06 *
07 CF 01	72 STO 01	07 TONE 7	07 /	72 +	137 RTN	07 STO L
08 CF 02	73 GTO 01	08 HMS+	08 13	73 X> 11	138+LBL "CLN"	08 RDH
09 RTN	74+LBL D	09 13	09 +	74 STO L	139 XEQ 01	09+LBL 03
10+LBL B	75 XEQ A	10 X>Y	10 STO 11	75 RDH	140 CLST	10 RCL IND L
11 "HORAS?"	76 XEQ 05	11 X#Y?	11 13.012	76 STO IND 11	141 CF 04	11 X=Y?
12 PROMPT	77 GTO 8	12 X>Y?	12 STO 12	77 RTN	142 CF 22	12 GTO 04
13 STO 01	78+LBL E	13 1	13 XEQ "CLN"	78+LBL "ET"	143+LBL 05	13 X>Y
14 "MINUTOS?"	79 CF 01	14 ENTER†	14 "LISTA"	79 XEQ 07	144 STO IND 11	14 DSE L
15 PROMPT	80 CF 02	15 VIEW X	15 PROMPT	80 SF 04	145 DSE 12	15 GTO 03
16 1 E2	81 SF 00	16 FRC	16+LBL "XY"	81 RTN	146 DSE 11	16 GTO 05
17 /	82 XEQ 05	17 X=0?	17 FS?C 04	82+LBL 03	147 ISG 12	17+LBL 04
18 ST+ 01	83 GTO 06	18 GTO 02	18 CF 22	83 FS?C 04	148 GTO 05	18 RCL 00
19 "SEGUNDOS?"	84+LBL d	19 TONE 7	19 FS?C 22	84 CF 22	149 RTN	19 ST- L
20 PROMPT	85 SF 00	20 .15	20 GTO 10	85 FS?C 22	150+LBL "RCLN"	20 "ES DE "
21 1 E4	86 CF 01	21 /	21 X> IND 11	86 RTN	151 XEQ 07	21 ARCL IND L
22 /	87 CF 02	22 FRC	22 RTN	87 ISG 11	152 "RCL --"	22 PROMPT
23 ST+ 01	88 XEQ 05	23 X#0?	23+LBL 10	88 GTO 10	153 AVIEW	23+LBL B
24 GTO 01	89 GTO B	24 GTO C	24 XEQ 06	89 RCL 11	154+LBL 04	24 "NOMBRE=?"
25+LBL C	90+LBL e	25 X> L	25 X>Y	90 FRC	155 PSE	25 AON
26 XEQ A	91 CF 00	26+LBL 04	26 RTN	91 13	156 FC?C 22	26 PROMPT
27 1 E-4	92 SF 01	27 XEQ 05	27+LBL "RD"	92 +	157 GTO 04	27 AOFF
28 STO 01	93 SF 02	28 DSE X	28 XEQ "XY"	93 STO 11	158 RCL IND X	28 RCL 00
29+LBL 01	94 XEQ 05	29 GTO 04	29 DSE 12	94 RDH	159 .END.	29 STO L
30 RCL 02	95 GTO 06	30 GTO C	30 DSE 11	95+LBL 10		30+LBL 01
31 1 E-4	96+LBL 05	31+LBL 05	31 GTO 01	96 RCL IND 11		31 RCL IND L
32 RCL 01	97 "BEEP: H,MMSS=?"	32 .0001	32 RTN	97 X> IND 12		32 ASTO Y
33 HMS+	98 PROMPT	33 ST+ Z	33+LBL 01	98 RCL 11		33 X=Y?
34 STO 01	99 STO 02	34 TONE 8	34 LASTX	99 FRC		34 GTO 02
35 FIX 4	100 END	35 TONE 7	35 X> 11	100 RCL 12		35 DSE L
36 " T: "		36 TONE 8	36 FRC	101 INT		36 GTO 01
37 ARCL 01		37 TONE 6	37 STO 12	102 +		37+LBL 05
38 AVIEW		38 RDH	38 1 E3	103 STO 11		38 "NO EXISTE"
39 X=Y?		39 RTN	39 *	104 RDH		39 PROMPT
40 GTO 04		40+LBL 02	40 X> 12	105 X>Y		40+LBL 02
41 24		41 X> L	41 RCL 12	106 DSE 12		41 RCL 00
42 X=Y?		42 XEQ 05	42 +	107 DSE 11		42 ST+ L
43 XEQ 07		43 XEQ 05	43 X> 11	108 GTO 01		43 "TELF/-"
44 X>Y		44+LBL 00	44 STO L	109 RTN		44 ARCL IND L
45 X>Y		45 .0001	45 RDH	110+LBL "+N"		45 PROMPT
46 X>Y		46 ST+ Z	46 .012	111 XEQ 03		46+LBL C
47 GTO 01		47 RDH	47 ST+ 12	112 +		47 RCL 00
48+LBL 07		48 TONE 3	48 RDH	113 RTN		48 STO L
49 -		49 DSE X	49 RTN	114+LBL "-N"		49+LBL 06
50 STO 01		50 GTO 00	50+LBL 07	115 XEQ 03		50 VIEW IND L
51 RTN		51 GTO C	51 FS?C 04	116 -		51 TONE 9
52+LBL 04		52 RTN	52 CF 22	117 RTN		52 DSE L
53 TONE 3		53 END	53 FC?C 22	118+LBL "*N"		53 GTO 06
54 FS? 01			54 GTO 06	119 XEQ 03		54 CLA
55 GTO 03			55 X>Y	120 *		55 ARCL X
56 17			56 XEQ 06	121 RTN		56 "F EN TOTAL"
57+LBL 02			57 X>Y	122+LBL "/N"		57 PROMPT
58 BEEP			58+LBL 06	123 XEQ 03		58 END
59 DSE X			59 ISG 11	124 /		
60 GTO 02			60 ISG 12	125 RTN		
61 RCL 01			61 GTO 02	126+LBL "+N"		
62 2 E-3			62 STO IND 11	127 XEQ 03		
63 HMS+			63 RTN	128 YIX		
64 STO 01			64+LBL 02	129 RTN		
65+LBL 03			65 13.012	130+LBL "LX"		

01+LBL "MEMORIA"	66 AVIEW	131+LBL 06
02 "COMENZAMOS"	67+LBL 21	132 "MEMORIA PESIMA"
03 AVIEW	68 1	133 PROMPT
04 PSE	69 ST+ 05	134+LBL 07
05 FIX 0	70 RCL 00	135 "NIVEL MINIMO"
06 CF 29	71 ST+ 05	136 PROMPT
07 RCL 01	72 FS?C 02	137+LBL 08
08 CLRG	73 GTO 03	138 "NO SE CONCENTRA"
09 STO 01	74 9	139 PROMPT
10+LBL 20	75 X>Y?	140+LBL 09
11 CLD	76 ISG 00	141 "MEMORIA NORMAL"
12 RCL 01	77 GTO 20	142 PROMPT
13 R-D	78 GTO 20	143+LBL 10
14 FRC	79+LBL 03	144 "MUY BUENO"
15 STO 01	80 2	145 PROMPT
16 9	81 RCL 04	146+LBL 11
17 *	82 X=Y?	147 "EXCELENTE"
18 1	83 GTO 04	148 PROMPT
19 +	84 RCL 00	149 .END.
20 RCL 00	85 1	
21 10↑X	86 ST+ 04	
22 *	87 X<=Y?	
23 INT	88 ST- 00	
24 STO 02	89 GTO 20	
25 PSE	90+LBL 04	
26 PSE	91 BEEP	
27 CLX	92 "HAN SIDO "	
28 "CUAL ERA ?"	93 ARCL 05	
29 PROMPT	94 "+ ACIERTOS"	
30 ENTER↑	95 AVIEW	
31 LOG	96 PSE	
32 INT	97 RCL 05	
33 RCL 00	98 9	
34 -	99 X>Y	
35 10↑X	100 X<=Y?	
36 /	101 GTO 05	
37 INT	102 25	
38 STO 03	103 X>Y	
39 RCL 02	104 X<=Y?	
40 X=Y?	105 GTO 06	
41 GTO 02	106 45	
42 "INCORRECTO"	107 X>Y	
43 AVIEW	108 X<=Y?	
44+LBL 31	109 GTO 07	
45 RCL 03	110 57	
46 RCL 02	111 X>Y	
47 X=Y?	112 X<=Y?	
48 GTO 21	113 GTO 08	
49 10	114 70	
50 ST/ 02	115 X>Y	
51 ST/ 03	116 X<=Y?	
52 RCL 02	117 GTO 09	
53 FRC	118 83	
54 ST- 02	119 X>Y	
55 RCL 03	120 X<=Y?	
56 FRC	121 GTO 10	
57 ST- 03	122 97	
58 X=Y?	123 X>Y	
59 GTO 31	124 X<=Y?	
60 SF 02	125 GTO 11	
61 1	126 "MEMORIA IDEAL"	
62 ST- 05	127 PROMPT	
63 GTO 31	128+LBL 05	
64+LBL 02	129 "AMNESIA TOTAL"	
65 "CORRECTO"	130 PROMPT	

01+LBL "ST"	66 STO Z	131 GTO 15	196 "F/"	261 STO 01	01+LBL "EL"	66 25
02 FIX 0	67 -	132 "ESQUIVO"	197 ARCL 04	262+LBL 15	02 0	67 RCL 06
03 CF 29	68 X>Y?	133 XEQ 99	198 AVIEW	263 SF IND 01	03 RTN	68 X<=Y?
04 EREG 01	69 GTO 12	134 RND	199 TONE 7	264 GTO 00	04+LBL "KL"	69 GTO 04
05 "BASE?"	70 RCL 02	135 X<Y?	200 PSE	265+LBL 99	05 40	70 2
06 AVIEW	71 XEQ 99	136 GTO 11	201 "ESQ" -	266 RCL 07	06 RCL 03	71 RCL 01
07 TONE ↑	72 %	137+LBL 15	202 ARCL 05	267 R-D	07 X>Y?	72 X=Y?
08 STOP	73 -	138 44	203 "F/"	268 FRC	08 GTO 14	73 GTO 04
09 X=0?	74 X<Y?	139 RCL 02	204 ARCL 06	269 STO 07	09+LBL 15	74+LBL 12
10 1	75 X>Y	140 4	205 AVIEW	270 1 E2	10 75	75 10
11 STO 07	76 GTO 12	141 *	206 TONE 7	271 *	11 RCL 06	76 RCL 02
12 "N ORD?"	77+LBL 02	142 -	207 1	272 RTN	12 X>Y?	77 X>Y?
13 AVIEW	78 "HUIDA"	143 XEQ 99	208 ST+ 01	273+LBL 21	13 GTO 15	78 GTO 05
14 TONE ↑	79 AVIEW	144 %	209 RCL 02	274 TONE 0	14 5	79 2
15 STOP	80 TONE 5	145 RND	210 GTO 12	275 TONE 0	15 RCL 02	80 RCL 01
16 STO 00	81 TONE 4	146 ST+ 04	211+LBL 11	276 TONE 7	16 X<=Y?	81 X=Y?
17+LBL 14	82 RCL 02	147 RCL 04	212 AVIEW	277 TONE ↑	17 GTO 04	82 GTO 02
18 ADV	83 10	148 GTO 15	213 TONE 7	278 TONE 3	18 2	83 GTO 03
19 CF 02	84 RCL 03	149+LBL 05	214 1 E2	279 5	19 RCL 01	84+LBL 01
20 CF 03	85 20	150 "REPARAR"	215 RCL 04	280 1/X	20 X-Y?	85 1
21 CF 04	86 /	151 AVIEW	216 X>Y?	281 TONE ↑	21 GTO 01	86 RTN
22 SF 05	87 -	152 TONE 6	217 GTO 15	282 TONE 3	22 40	87+LBL 02
23 CF 22	88 +	153 TONE 0	218 PSE	283 RTN	23 RCL 03	88 2
24 CLE	89+LBL 12	154 TONE 7	219 "DESTRUIDO"	284+LBL 31	24 X>Y?	89 RTN
25 1	90 RND	155 TONE 3	220 AVIEW	285 TONE 3	25 GTO 03	90+LBL 03
26 STO 01	91 STO 02	156 TONE ↑	221 TONE 6	286 TONE 0	26 GTO 01	91 3
27 30	92 "RANGO"	157 TONE 6	222 TONE 6	287 TONE 3	27+LBL 15	92 RTN
28 XEQ 99	93 ARCL X	158 TONE 7	223 TONE 0	288 TONE 7	28 20	93+LBL 04
29 %	94 "1000"	159 TONE 7	224 TONE 0	289 TONE 0	29 RCL 03	94 4
30 10	95 GTO 11	160 XEQ 99	225 55	290 55	30 X>Y?	95 RTN
31 +	96+LBL 03	161 5	226 TONE ↑	291 TONE 7	31 GTO 05	96+LBL 05
32 GTO 12	97 "ESQUIVAR"	162 /	227 5	292 TONE ↑	32 GTO 03	97 5
33+LBL 00	98 AVIEW	163 RND	228 TONE 7	293 TONE 0	33+LBL 14	98 RTN
34 FS? 05	99 TONE 0	164 ST- 03	229 TONE 1	294 TONE 7	34 69	99+LBL "IC"
35 XEQ "KL"	100 TONE 3	165 RCL 03	230 5	295 RTN	35 RCL 03	100 3
36 FC? 05	101 TONE 0	166 X<0?	231 TONE 0	296+LBL 22	36 X>Y?	101 .END.
37 XEQ "EL"	102 TONE 7	167 CLX	232 TONE \	297 TONE 0	37 GTO 13	
38 GTO IND X	103 XEQ 99	168 STO 03	233 5	298 TONE 3	38 RCL 04	
39+LBL 00	104 2	169+LBL 15	234 TONE 3	299 TONE 3	39 X>Y?	
40 "ORDEN" ?	105 /	170 "UNIDADES"	235 TONE \	300 TONE 0	40 GTO 15	
41 AVIEW	106 RND	171 ARCL Y	236 GTO 14	301 555	41 5	
42 TONE ↑	107 ST+ 05	172 AVIEN	237+LBL 15	302 TONE 0	42 RCL 02	
43+LBL 13	108 "PROB"	173 TONE 7	238 CF IND 01	303 TONE 3	43 X>Y?	
44 PSE	109 ARCL 05	174 PSE	239 DSE 01	304 TONE 3	44 GTO 05	
45 FC?C 22	110 "FZ"	175 "AVERIAS"	240 GTO 15	305 TONE 0	45 2	
46 GTO 13	111 GTO 11	176 ARCL X	241 PSE	306 RTN	46 RCL 01	
47 X<0?	112+LBL 04	177 GTO 11	242 FC?C 05	307+LBL 32	47 X=Y?	
48 GTO 00	113 "LASER"	178+LBL 06	243 SF 05	308 TONE 9	48 GTO 04	
49 6	114 AVIEW	179 "INFORME"	244 FC? 05	309 TONE 9	49 25	
50 X>Y?	115 "INOPERANTE"	180 AVIEW	245 "*ENTERPRISE"	310 TONE 9	50 RCL 06	
51 GTO 00	116 79	181 TONE ↑	246 FS? 05	311 TONE 9	51 X<=Y?	
52 GTO IND Y	117 RCL 03	182 TONE 7	247 "*KLINGON"	312 TONE 9	52 GTO 04	
53+LBL 01	118 X>Y?	183 TONE 7	248 AVIEW	313 TONE 9	53 GTO 03	
54 "ATAQUE"	119 GTO 11	184 TONE ↑	249 TONE 7	314 TONE 9	54+LBL 13	
55 AVIEW	120 FS? 05	185 TONE 7	250 TONE ↑	315 TONE 9	55 79	
56 FS? 05	121 XEQ 32	186 TONE 7	251 TONE 7	316 55	56 RCL 03	
57 XEQ 31	122 FC? 05	187 5	252 TONE ↑	317 TONE 9	57 X>Y?	
58 FC? 05	123 XEQ 22	188 TONE ↑	253 RCL 03	318 TONE 9	58 GTO 12	
59 XEQ 21	124 "MUY LEJOS"	189 TONE 7	254 X> 04	319 TONE 9	59 RCL 04	
60 RCL 02	125 10	190 TONE 7	255 STO 03	320 TONE 9	60 X>Y?	
61 10	126 RCL 02	191 TONE ↑	256 RCL 05	321 TONE 9	61 GTO 15	
62 RCL 03	127 X>Y?	192 TONE 7	257 STO 06	322 TONE 9	62 5	
63 20	128 GTO 11	193 TONE 7	258 CLX	323 TONE 9	63 RCL 02	
64 /	129 RCL 06	194 "AVER"	259 STO 05	324 TONE 9	64 X>Y?	
65 -	130 X=0?	195 ARCL 03	260 RCL 00	325 .END.	65 GTO 12	

01•LBL "FR"	71 RCL 07	01•LBL "SEQ"	71 GTO 02	141 RCL IND 04	211 STO 04
02 RAD	72 -	02•LBL A	72 GTO 15	142 STO 03	212•LBL 04
03 CF 29	73 RCL 06	03 CF 29	73•LBL 13	143 DSE 04	213 FIX 0
04 SF 21	74 STO 07	04 SF 21	74 RCL 00	144•LBL 09	214 "X"
05 FIX 0	75 RCL 03	05 CLRG	75 RCL 01	145 DSE 05	215 ARCL 04
06 "N=?"	76 *	06 FIX 0	76 -	146 RCL IND 05	216 "I=?"
07 PROMPT	77 ST+ X	07 "N=?"	77 2	147 RCL 03	217 FIX 4
08 STO 00	78 +	08 PROMPT	78 +	148 *	218 ARCL IND 03
09 7	79 STO 06	09 STO 00	79 RCL 01	149 ST- IND 04	219 AVIEW
10 +	80 RDN	10•LBL 00	80 1	150 DSE 04	220 1
11 SF 25	81 DSE X	11 ISG 01	81 -	151 GTO 09	221 ST+ 04
12 RCL IND X	82 GTO 03	12•LBL B	82 *	152 DSE 02	222 ISG 03
13 FS?C 25	83 ADV	13 XEQ 13	83 6	153 GTO 08	223 GTO 04
14 GTO 04	84 SF 05	14 RCL 00	84 +	154 RCL 01	224 ADV
15 "SIZE "	85 "a"	15 1 E3	85 RCL 00	155 1 E3	225 .END.
16 1	86•LBL 07	16 /	86 +	156 /	
17 +	87 FC? 05	17 STO 02	87 STO 03	157 2	
18 ARCL X	88 "b"	18 ISG 02	88 RTN	158 +	
19 PROMPT	89 FIX 0	19•LBL 10	89•LBL 02	159 STO 02	
20•LBL 04	90 RCL 05	20 SF 21	90 FS?C 00	160•LBL 05	
21 PI	91 INT	21 "A"	91 GTO 01	161 RCL 00	
22 ST+ X	92 ARCL X	22 ARCL 01	92 XEQ 14	162 RCL 01	
23 RCL 00	93 "I=?"	23 "I,-"	93•LBL 07	163 -	
24 /	94 FIX 4	24 ARCL 02	94 RCL IND 04	164 2	
25 1	95 RCL 06	25 "I=?"	95 ST- IND 05	165 +	
26 STO 06	96 FC? 05	26 PROMPT	96 DSE 05	166 ENTER↑	
27 P-R	97 GTO 05	27 STO IND 03	97 DSE 04	167 ENTER↑	
28 STO 01	98 RCL 03	28 DSE 03	98 GTO 07	168 RCL 02	
29 X<Y	99 *	29 ISG 02	99 GTO 01	169 INT	
30 STO 02	100 RCL 08	30 GTO 10	100•LBL 14	170 *	
31 "K=?"	101 +	31 "B"	101 RCL 00	171 RCL X	
32 PROMPT	102 RCL 07	32 ARCL 01	102 RCL 01	172 RCL Z	
33 RCL 00	103 -	33 "I=?"	103 STO 05	173 -	
34 2	104 GTO 06	34 PROMPT	104 -	174 X<Y	
35 /	105•LBL 05	35 STO IND 03	105 2	175 1 E3	
36 INT	106 RCL 04	36 CF 21	106 +	176 /	
37 X>Y?	107 *	37 **	107 STO 04	177 +	
38 X<Y	108•LBL 06	38 AVIEW	108 ST* 05	178 6.004	
39 1 E3	109 ST+ X	39 XEQ 13	109 RCL 01	179 +	
40 /	110 RCL 00	40 RCL 01	110 RCL 02	180 STO 04	
41 STO 05	111 /	41 STO 02	111 -	181 STO 05	
42 RCL 00	112 ARCL X	42•LBL 01	112 ST* 04	182 RCL 02	
43 LASTX	113 AVIEW	43 RCL IND 03	113 5	183 INT	
44 /	114 FS?C 05	44 X=0?	114 ST+ 04	184 1	
45 ST+ 06	115 GTO 07	45 SF 00	115 ST+ 05	185 -	
46 0	116 ISG 05	46 X=0?	116 RCL 04	186 ST- 05	
47 STO 04	117 GTO 01	47 GTO 12	117 RCL 00	187•LBL 06	
48•LBL 00	118 RTN	48 RCL 03	118 -	188 RCL IND 04	
49 "Y"	119•LBL 01	49 1	119 RCL 01	189 STO IND 05	
50 ARCL 06	120 RCL 03	50 -	120 +	190 1	
51 "I=?"	121 RCL 04	51 ENTER↑	121 2	191 ST+ 05	
52 PROMPT	122 RCL 01	52 ENTER↑	122 -	192 ISG 04	
53 RCL 06	123 ST* Z	53 RCL 00	123 1 E3	193 GTO 06	
54 7	124 *	54 -	124 /	194 ISG 02	
55 +	125 RCL 03	55 RCL 02	125 ST+ 04	195 GTO 05	
56 X<Y	126 RCL 02	56 -	126 RTN	196•LBL 03	
57 STO IND Y	127 *	57 RCL 01	127•LBL 15	197 RCL 00	
58 ISG 06	128 +	58 +	128 ***	198 RCL 01	
59 GTO 00	129 X<Y 04	59 1 E3	129 AVIEW	199 X*Y?	
60 1	130 RCL 02	60 /	130 0	200 GTO 00	
61•LBL 02	131 *	61 +	131 FS?C 00	201•LBL C	
62 STO 03	132 -	62 STO 04	132 1/X	202 SF 21	
63 0	133 GTO 02	63•LBL 11	133 RCL 01	203 ADV	
64 STO 07	134 .END.	64 RCL IND 03	134 1	204 RCL 00	
65 STO 06		65 ST/ IND 04	135 X=Y?	205 1 E3	
66 RCL 00		66 DSE 04	136 GTO 03	206 /	
67 7.008		67 GTO 11	137 -	207 6.005	
68 +		68•LBL 12	138 STO 02	208 +	
69•LBL 03		69 DSE 03	139•LBL 08	209 STO 03	
70 RCL IND X		70 DSE 02	140 XEQ 14	210 1	

01+LBL "P"	66 -	131 +	196 *	261 "X="	01+LBL "RK"	66 STO 04	131 X>Y	51 GTO 02
02 FIX 0	67 2	132 STO 07	197 RCL 08	262+LBL 99	02 CLRG	67 STO 03	132 ISG Y	52+LBL 01
03 CF 06	68 /	133 4	198 X†2	263 ARCL X	03 FIX 0	68+LBL 11	133 GTO 02	53 STO [
04 "N=?"	69 STO 04	134 STO 05	199 +	264 PROMPT	04 CF 29	69 RCL 10	134 GTO 14	54 RDN
05 PROMPT	70 X†2	135 RCL 06	200 8	265 .END.	05 SF 21	70 STO 14	135+LBL 20	55 "I♦♦♦♦" [
06 STO 06	71 +	136 ENTER†	201 /		06 "N=?"	71 RCL 11	136 1	56 RCL [
07 DSE X	72 X<0?	137 ENTER†	202 -		07 PROMPT	72 STO 15	137 RTN	57 FRC
08+LBL 00	73 GTO 12	138 ENTER†	203 STO 00		08 STO 04	73 RCL 05	138 .END.	58 10
09 "a"	74 SQRT	139 5	204 SF 06		09 3	74 STO 16		59 *
10 ARCL X	75 STO 03	140+LBL 07	205 XEQ 03		10 *	75+LBL 12		60 X<> [
11 "I=?"	76 XEQ 01	141 *	206 STO 05		11 22	76 XEQ IND 14		61 INT
12 PROMPT	77 RCL 03	142 RCL IND 05	207 ST+ X		12 +	77 RCL 12		62 1
13 STO IND Y	78 CHS	143 RCL 05	208 RCL 06		13 STO 05	78 *		63 *
14 RDN	79 XEQ 01	144 *	209 X†2		14 SF 25	79 STO IND 15		64 16
15 DSE X	80 +	145 +	210 4		15 ARCL IND X	80 ISG 15		65 *
16 GTO 00	81+LBL 13	146 DSE 05	211 /		16 1	81 X>Y	81+LBL "BI"	66+LBL 02
17 "aθ=?"	82 RCL 02	147 GTO 07	212 +		17 STO 11	82 ISG 14	02 "iiv"	67 RCL [
18 PROMPT	83 3	148 X=0?	213 RCL 09		18 STO 07	83 GTO 12	03 ASTO X	68 INT
19 STO 00	84 /	149 1	214 -		19 STO 08	84 RCL 11	04 X<> c	69 +
20 FIX 7	85 -	150 ST/ 07	215 SQRT		20 +	85 STO 15	05 "18♦♦♦" [	70 .END.
21 GTO IND 06	86 FS? 06	151 RCL 07	216 STO 04		21 FS?C 25	86 RCL 10	06 RCL [	
22+LBL 09	87 RTN	152 ST- 06	217 RCL 06		22 GTO 00	87 STO 14	07 STO 00	
23 SQRT	88 XEQ 11	153 RND	218 2		23 "SIZE"	88+LBL 13	08 X>Y	
24 RCL 02	89 RCL 02	154 X*0?	219 /		24 ARCL X	89 RCL IND 15	09 X<> c	
25 CHS	90 X<>Y	155 GTO 05	220 +		25 PROMPT	90 RCL IND 13	10 RCL [	
26 "R=?"	91 +	156 RCL 06	221 STO 01		26+LBL 00	91 /	11 X<> d	
27 XEQ 99	92 X<> 01	157 XEQ 11	222 RCL 05		27 2	92 3	12 SF 04	
28 RDN	93 RCL 01	158 3	223 RCL 08		28 STO 06	93 FS? 29	13 X<> d	
29 "I=?"	94 LASTX	159 STO 05	224 RCL 06		29 STO 09	94 ST* Y	14 STO [	
30 GTO 99	95 *	160 RCL 04	225 RCL 05		30 STO 00	95 RCL IND 16	15 "OK"	
31+LBL 01	96 +	161 RCL 06	226 *		31 ENTER†	96 RCL IND 04	16 PROMPT	
32 RCL 04	97 GTO 02	162 +	227 -		32 SQRT	97 *	17+LBL "BC"	
33 -	98+LBL 12	163+LBL 08	228 RCL 04		33 LASTX	98 RCL IND 15	18 XEQ 01	
34 SIGN	99 -3	164 X<> IND 05	229 ST+ X		34 +	99 -	19 XEQ 01	
35 LASTX	100 RCL 03	165 RCL IND 05	230 STO 04		35 STO 01	100 RCL IND 13	20 -	
36 ABS	101 /	166 RCL 06	231 /		36 /	101 /	21 CLA	
37 3	102 SQRT	167 *	232 STO 03		37 STO 02	102 ST- IND 14	22 RCL d	
38 1/X	103 STO 03	168 +	233 -		38 RCL 04	103 *	23 FIX 0	
39 Y†X	104 LASTX	169 DSE 05	234 STO 00		39 ST- 05	104 +	24 CF 29	
40 *	105 RCL 04	170 GTO 08	235 XEQ 02		40 20	105 ST- IND 16	25 ARCL Y	
41 RTN	106 CHS	171+LBL 04	236 RCL 04		41 +	106 1	26 "I BYTES"	
42+LBL 03	107 *	172 STO 07	237 ST- 01		42 ST+ 11	107 ST+ 15	27 STO d	
43 RCL 01	108 *	173 RCL 02	238 RCL 03		43 1 E3	108 ST+ 16	28 PROMPT	
44 RCL 02	109 ACOS	174 STO 09	239 ST+ X		44 /	109 ISG 14	29+LBL 01	
45 X†2	110 3	175 RCL 03	240 RCL 00		45 20	110 GTO 13	30 X>Y	
46 3	111 /	176 STO 06	241 +		46 +	111 FS?C 29	31 CLA	
47 /	112 COS	177 RCL 01	242+LBL 02		47 STO 14	112 GTO 10	32 STO [	
48 -	113 RCL 03	178 STO 08	243 RCL 01		48 STO 10	113 ST+ 04	33 "I*****"	
49 STO 03	114 /	179 *	244 2		49+LBL 01	114 ISG 13	34 CLX	
50 3	115 ST+ X	180 4	245 /		50 "Y"	115 GTO 11	35 X<> \	
51 /	116 GTO 13	181 /	246 STO 02		51 ARCL 12	116 SF 29	36 "I**"	
52 3	117+LBL 05	182 RCL 07	247 X†2		52 "I=?"	117 GTO 11	37 0	
53 Y†X	118 4	183 -	248 -		53 PROMPT	118+LBL 10	38 X<> \	
54 RCL 00	119 STO 05	184 STO 01	249 X>0?		54 STO IND 14	119 RCL 10	39 XEQ 01	
55 RCL 01	120 RCL 06	185 RCL 09	250 GTO 09		55 ISG 12	120 0	40 7	
56 9	121 ENTER†	186 2	251 CHS		56 X>Y	121 ADV	41 *	
57 *	122 ENTER†	187 /	252 SQRT		57 ISG 14	122+LBL 02	42 X>Y	
58 RCL 02	123 ENTER†	188 CHS	253 STO 06		58 GTO 01	123 "Y"	43 XEQ 01	
59 X†2	124+LBL 06	189 STO 02	254 RCL 02		59 "INC=?"	124 FIX 0	44 STO [	
60 ST+ X	125 RCL IND 05	190 CHS	255 ST- 06		60 PROMPT	125 ARCL X	45 16	
61 -	126 +	191 RCL 07	256 +		61 STO 12	126 "I=?"	46 ST/ [	
62 RCL 02	127 *	192 *	257 CHS		62+LBL 14	127 FIX 7	47 MOD	
63 *	128 DSE 05	193 RCL 06	258 XEQ 11		63 .002	128 ARCL IND Y	48 1792	
64 27	129 GTO 06	194 X†2	259 RCL 06		64 STO 13	129 AVIEW	49 *	
65 /	130 RCL 00	195 RCL 07	260+LBL 11		65 6	130 ISG X	50 +	