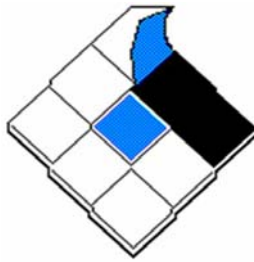


REPUBLICA BOLIVARIANA DE VENEZUELA  
UNIVERSIDAD NACIONAL EXPERIMENTAL  
"RAFAEL MARIA BARALT"



PROGRAM INTERVALO 48. V. 1.1 LT. BY: J. COLBERT.

This program is used in the area of STATISTIC.

It's extremely easy to use and it allows you calculate the following:

- 1-CLASS OF INTERVAL
- 2-CLASS OF FREQUENCY. (Fr).
- 3-SIZE OF INTERVAL. (TDI).
- 4-RANGE OF INTERVAL. (RANGO).
- 5-NUMBER OF INTERVALS. (NDI).
- 6-NUMBER OF DATA. (NDTOS).

OBSERVATIONS:

The program was created in **UserRPL** format in this way it can be modified in its totality; it allows you change everything who you considered necessary even adding your name.

BUT YOU CAN NOT NEVER CHANGE ITS ORIGINAL NAME IT MEANS (INTERVALO 48.). AND YOU SHOULD ATTACH INTO YOUR NEW VERTION; ANY MENTION OR REFERENCY ABOUT ITS ORIGINAL AUTHOR!

The program was exhaustive tested and works generating and exact outcoming. It has been depurated and optimized, I have done too much emphasis on the reductions of bugs into the lowest expression, but i can't say it for sure in 100% maybe because any of these things has slipped away from me.

I hope this can be useful for you, any suggestions or comments please write to:  
[javiercolbert@yahoo.com](mailto:javiercolbert@yahoo.com).

P.D.: IF YOU MAKE ANY MODIFICATION OR GET ANY IMPROVEMENT OF THIS PROGRAM DO NOT FORGET TO TELL ME ABOUT IT, THANKS A LOT.

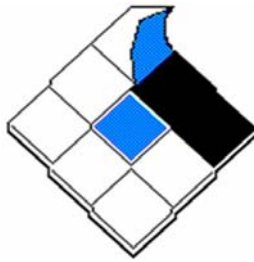
Working:

Example:

DATA:	343	67	158	126	281	99	210	118
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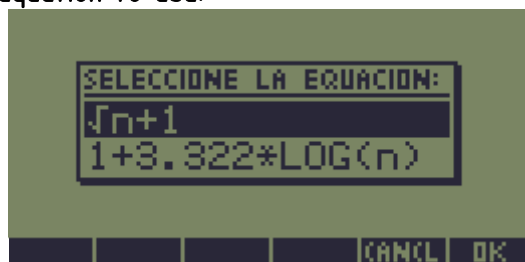
Press **INICIO** and **Matrix Writer** will appear, enter the data in a **row** or **column** but is recomended that always be by the **column** now this let you see and to correct the data in an efficient way.

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Once finish the data entering press **ENTER** and the program will run;  
Afterward choose the equation to use:



After have it selected you should select the criterion to fix it to round off:



Now wait for the generation of the outcoming, remember as longer the quantity of data to input the longer the time to wait will be!, but i have solved the **PROBLEMS** with a data of 100 elements in 1 minute less. And i do not think that someone needs use it to solve too long **problems** in any test or class exercise. Afterward the solution will appear under the **Matrix Writer** format, being distributed by a **3 column Matrix** and its number of row varies in order to the quantity of intervals that has been generated by the data.

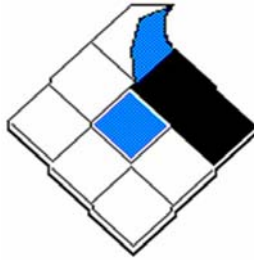
The columns 1 & 2 REPRESENTS THE INTERVALS OF CLASS.

The column 3 CLASS OF FREQUENCY. (Fr).

Example: According to the given **DATA** of the columns before mentioned:

	1	2	3
1	67	136	4
2	136.1	205	1
3	205.1	274	1
4	274.1	343	2
5			
1-1:	67		

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Afterward of the outcoming obtained, press the key **ON** or **ENTER** then if necessary **VAR** or **NXT** to view or check the outcoming that is contained in the following variables:

**Data=** It contains the general Matrix of the outcoming obtained.

**TDI=** 69.

**RANGO=** 276.

**NDI=** 4.

**NDTOS=** 8.

**ΣDAT=** Is the main **DATA** which gives origin to the outcoming obtained.