

A useful function that returns the Lagrange interpolating polynomial for given points.

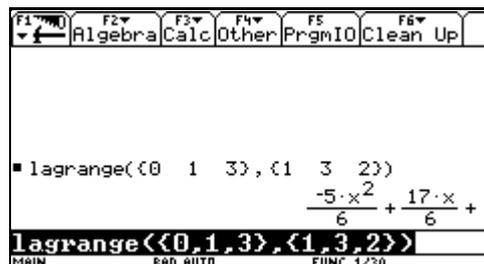
Just enter  $\text{lagrange}(x\_list, y\_list)$  where  $x\_list$  contains the list of points abscissas and  $y\_list$  contains the list of points ordinates.

Example:

Find the Lagrange interpolating polynomial for these points:

(0,1) ; (1,3) ; (3,2)

Enter  $\text{lagrange}(\{0,1,3\}\{1,3,2\})$



The polynomial solution is:

$$P(x) = -\frac{5}{6}x^2 + \frac{17}{6}x + 1$$

This program has been already used many times without problems. If you find any bug first assure you to have selected the English language in the Mode and not to have translated the code with any program. If the problem persists, please, let me know.

For a better and faster answer, please, enclose some screenshot of the bug: entered inputs, expected outputs, error messages, erroneous code line, Mode setting... it will help me very much!

My address is [paolosilingardi@interfree.it](mailto:paolosilingardi@interfree.it); write **TI-Program** as Object of e-mail!

**IN ORDER TO PREVENT SPAMMING, E-MAIL WITHOUT THE CORRECT OBJECT  
WILL BE AUTOMATICALLY DELETED!**

You can find all my programs at this address:

<http://www.ticalc.org/archives/files/authors/44/4458.html>.

Remember to vote this program in the site!

Paolo Silingardi