**invsort**

*Function of vector sorting by decreasing values.*

**Syntax:**

*Y* = **invsort***(X);*

**Arguments:**

*Х* – input array comprising vector elements.

**Description:**

*invsort(X)* – array sorting by decreasing elements takes place. The sorting for complex vectors takes place by the modules of numbers.

Input array *X* can be assigned:

* as variable of array type determined earlier:

*Y* = **invsort**(*X*);

* as array consisting of variables determined earlier:

*Y* = **invsort**([*x1,x2,x3,x4*]);

* as constant array:

*Y* = **invsort**([0,0,2,1,0]);

**Result:**

*Y* – output array comprising elements of sorted out vector.

**Example:**

|  |  |
| --- | --- |
|  | **сonst** X = [2, 2, 1, 3, 4];  Y = **invsort**(X); |

As a result, elements of array *Y* will be assigned values [4, 3, 2, 2, 1] corresponding to input array element sorted out by decreasing.