**multiply**

*Function of multiplication of every element of vector.*

**Syntax:**

*Y* **= multiply***(n, X);*

**Arguments:**

*n* – multiplier for vector elements,

*Х* – input array comprising vector elements.

**Description:**

*multiply(n, X)* – function of *n*-times multiplication of input vector elements.

Input array *X* can be assigned:

* as variable of array type determined earlier:

Y = **multiply**(n, *X*);

* as array consisting of variables determined earlier:

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

* as constant array:

Y = **multiply**(n, [1,2,3]);

**Example:**

|  |  |
| --- | --- |
|  | **const** X = [1, 2, 3];  **Y = multiply**(2, X); |

As a result, elements of array *Х* will be assigned values [1, 1, 2, 2, 3, 3] corresponding to input array elements multiplied 2 times.