**proportion**

*Function of calculating value of linear function from specified argument, set by the values of function and arguments.*

**Syntax:**

*y* = **proportion***(x, x1*, *x2, y1, y2);*

**Arguments:**

*x1, x2* – values of function arguments,

*y1, y2* – values of function from arguments *x1, x2*,

*х* – value of argument, from which a value of linear function of

y(x) = a0 + a1x type is calculated.

**Description:**

*proportion (x, x1, x2, y1, y2)* – function returns value of function from arguments x, function is specified by values *y1, y2* from arguments *x1, x2*.

Function can be determined by solving equation

**Result:**

*y* – value of function from argument *x*.

**Example:**

|  |  |
| --- | --- |
|  | **const** x = 10;  **const** x1 = 8;  **const** x2 = 6;  **const** y1 = 7;  **const** y2 = 9;  y = **proportion**(x, x1, x2, y1, y2); |

As a result, variable y will be assigned value 5 corresponding to a value of function y = 15 – x at x = 10.