**loadtab**

*Function of reading a matrix from text file.*

**Syntax:**

M = **loadtab**(name);

**Arguments:**

*name* – string containing the file name,

**Description:**

*loadtab(name)* – function of reading a matrix from a text file named as *name*. The matrix is loaded in transposed form, i.e., matrix strings correspond to text columns.

**Result:**

*M* – matrix loaded from the file.

**Example:**

|  |  |
| --- | --- |
|  | //arrays of matrix elements  **const** M1 = [[2, 5, 7], [6, 3, 4], [5, -2, -3]];  //let us write down the file in the matrix  **savetab**(M1, "file1.dat");  //let us read the matrix from the file  M2 = **loadtab**("file1.dat"); |

In the process of execution matrix *M1* will be written in the file named as *file1.dat* by means of function *savetab*, after that function *loadtab* will be used for reading matrix *M2* from the file named as *file1.dat.*

File *file1.dat* will contain the text:

2 6 5

5 3 -2

7 4 -3