
Symmetric matrix

P61473_en

Write a function that, given a square matrix m , tells if it is symmetric or not.

Remember that a matrix m is symmetric if $m_{i,j} = m_{j,i}$ for any i and for any j .

Precondition

m is a square matrix $n \times n$ with $n \geq 0$.

Interface

| | |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------|
| C++ | typedef vector< vector<int> > Matrix; bool <i>is_symmetric</i> (const Matrix& <i>m</i>); |
| Java | public static boolean <i>isSymmetric</i> (int [][] <i>m</i>); |
| Python | <i>is_symmetric</i> (<i>m</i>) # returns bool |
| MyPy | <i>is_symmetric</i> (<i>m</i> : list [list [int]]) \rightarrow bool |

Problem information

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