
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 is_symmetric(const Matrix& m);
Java	public static boolean isSymmetric(int[][] m);
Python	<i>is_symmetric(m) # returns bool</i>
MyPy	<i>is_symmetric(m: list [list [int]]) → bool</i>

Problem information

Author : Jordi Petit

Translator : Carlos Molina

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