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## Symmetric matrix

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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++	<b>typedef vector&lt; vector&lt;int&gt; &gt; Matrix;</b> <b>bool</b> <i>is_symmetric</i> ( <b>const Matrix&amp;</b> m);
Java	<b>public static boolean</b> <i>isSymmetric</i> ( <b>int</b> [][] m);
Python	<i>is_symmetric</i> (m) # returns bool <i>is_symmetric</i> (m: list ) → bool

### Problem information

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