Vector Times Matrix   X45739_en

Write a function $v\_times\_m(v, m)$ that receives a vector (in the form of a tuple) of floats and a matrix of floats m, and returns the product of the vector by the matrix. The matrix is represented as a tuple of rows, each row being, in turn, a tuple of floats. We are guaranteed that the length of v is not zero and that it equals the lengths of all the columns of m. The returned vector is to be a tuple of the same length as the rows of m, which is also guaranteed to be nonzero.

Observation

Solutions that return other iterable types instead of tuples are vey likely to be accepted as well.

Problem information

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