
Product of square matrices

P37390_en

Write a function that, given two square matrices @a@ and @b@, computes their product.

Interface

C++	typedef vector < vector < int > > <i>Matrix</i> ; <i>Matrix product</i> (const <i>Matrix</i> & <i>a</i> , const <i>Matrix</i> & <i>b</i>);
MyPy	<i>Matrix</i> : <i>TypeAlias</i> = list [list [int]] def <i>product</i> (<i>a</i> : <i>Matrix</i> , <i>b</i> : <i>Matrix</i>) -> <i>Matrix</i>

Precondition

@a@ and @b@ are square matrices $n \times n$ with $n \geq 0$.

Problem information

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