





$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
[2-10100] [2-10100] [2-10100]
[2-10100] [2-10100] [2-10100]
[2-10100] [2-101000] [2-10100]
[2-10100] [2-10100] [2-10100]
[0 0 1 1/4 -1/2 -3/4] [0 0 1 1/4 -1/2 -3/4]
110,000,010 A2,001
9 0 0 3/2 -1 -1/2 0 0 1 0 0 (3/4 -1/2 -1/4)
0 1 0 1/2 -1 -1/2
[001 14 -42 -3/4] [00 ] 14 -1/2 -3(4)
7200
$A_3$ 0 0 1 $A_3^{-1} = -1$ 1 0
[11] [1] [1] [1]
150 m 4-00 m 888 m 811
AZKHZH 8: 1-00   TE 0   TE 6   TE 6
$B = (A \cdot A)^{-1} = A^{-1} \cdot A^{-1}$
apa:
$A \cdot B = A \cdot A^{-1} \cdot A^{-1} = I \cdot A^{-1} = A^{-1}$
1 0 0 10-0 0 10 0 1 3 2 2 10 0 1
Υπάρχουν του άλλελ λύσεις!
: 4 UZIVIZA
[ 00100] [00100] [00100] [0
m 011-110 m 01+110 m 01011
m 011-110 m 01+110 m 010111

## MATLAB:

```
A = [1 2 ; 1 -1 ; 0 1];
B = [1 \ 2 \ -1; -1 \ 0 \ 7];
% A*B
[lenX A lenY A] = size(A);
[lenX_B lenY_B] = size(B);
matrix = zeros(lenX A,lenY B);
if lenY A == lenX B
    for i=1:lenX A
        for j=1:lenY_B
            athroisma = 0;
            for k=1:lenY_A
                athroisma = athroisma + A(i,k)*B(k,j);
            end
            matrix(i,j) = athroisma;
        end
    end
else
    %do nothing
end
C = A*B
matrix
```