

a_{00}	a_{01}	\cdots	$a_{0,n-1}$
a_{10}	a_{11}	\cdots	$a_{1,n-1}$
\vdots	\vdots		\vdots
a_{i0}	a_{i1}	\cdots	$a_{i,n-1}$
\vdots	\vdots		\vdots
$a_{m-1,0}$	$a_{m-1,1}$	\cdots	$a_{m-1,n-1}$

x_0
x_1
\vdots
x_{n-1}

 $=$

y_0
y_1
\vdots
$y_i = a_{i0}x_0 + a_{i1}x_1 + \cdots + a_{i,n-1}x_{n-1}$
\vdots
y_{m-1}