a_{00} a_{01} a_{02} a_{03} a_{04}
a_{10} a_{11} a_{12} a_{13} a_{14}
a_{20} a_{21} a_{22} a_{23} a_{24}
a_{30} a_{31} a_{32} a_{33} a_{34}
a_{40} a_{41} a_{42} a_{43} a_{44}

b_{00} b_{01} b_{02}
w_{20} b_{10} b_{11} b_{12}
w_{22} w_{21}
w_{10} b_{20} b_{21} b_{22}
w_{12} w_{11}
w_{02} w_{01} w_{00}

$$
\begin{array}{l}
w_{00}\ w_{01}\ w_{02}\ \cdots\ w_{10}\ w_{11}\ w_{12}\ \cdots\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ \cdots\ w_{10}\ w_{11}\ w_{12}\ \cdots\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ \cdots\ w_{10}\ w_{11}\ w_{12}\ \cdots\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ \cdots\ w_{10}\ w_{11}\ w_{12}\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ \cdots\ w_{10}\ w_{11}\ w_{12}\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ \cdots\ w_{10}\ w_{11}\ w_{12}\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ w_{10}\ w_{11}\ w_{12}\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ w_{10}\ w_{11}\ w_{12}\ w_{20}\ w_{21}\ w_{22} \\
w_{00}\ w_{01}\ w_{02}\ w_{10}\ w_{11}\ w_{12}\ w_{20}\ w_{21}\ w_{22}
\end{array}
$$

$\times$

b_{00}
b_{01}
b_{02}
b_{10}
b_{11}
b_{12}
b_{20}
b_{21}
b_{22}

$=$

a_{00}
a_{01}
a_{02}
a_{03}
a_{04}
a_{10}
$\vdots$
$\vdots$
a_{34}
a_{40}
a_{41}
a_{42}
a_{43}
a_{44}