$$
\begin{array}{c}
\\ (1)\\ (2)\\ (3)\\ (4)\\ (5)\\ (6)\\ (7)\\ (8)\\ (9)\\ (10)\\ (11)\\ (12)
\end{array}
\left\{
\begin{array}{ccccccccccccc}
\omega_{x10}^{A} & \omega_{y10}^{A} & \omega_{z10}^{A} & \omega_{z10}^{B} & V_{z10} & V_{x30} & V_{y30} & \omega_{z30} & \omega_{x32} & \omega_{y32} & \omega_{z32} & \omega_{z21} & V_{z21}\\
\hline
1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\
0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\
0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\
0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0\\
0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sin(\alpha) & 0 & 1 & 0 & 0 & 0\\
0 & 0 & 0 & 1 & 0 & 0 & 0 & -\cos(\alpha) & 0 & 0 & 1 & 1 & 0\\
0 & 0 & 0 & 0 & 0 & -\cos(\alpha) & 0 & \lambda\ \sin(\alpha) & 0 & -\lambda & 0 & 0 & 0\\
0 & 0 & 0 & -R & 0 & 0 & -1 & 0 & \lambda & 0 & 0 & 0 & 0\\
0 & 0 & 0 & 0 & 0 & \sin(\alpha) & 0 & 0 & 0 & 0 & 0 & 0 & 1
\end{array}
\right\}
=
\left\{
\begin{array}{c}
\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0
\end{array}
\right\}
$$