Autoware Matching

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$$
\begin{aligned}
{}^{odom}\mathbf{T}_{base\_link} &= {}^{base\_link,t0}\mathbf{T}_{base\_link,tx} \\
&= {}^{base\_link,t0}\mathbf{T}_{imu,t0} * {}^{imu,t0}\mathbf{T}_{imu,tx} * {}^{imu,tx}\mathbf{T}_{base\_link,tx} \\
&= {}^{base\_link}T_{imu} * {}^{world}\mathbf{T}_{body} * {}^{base\_link}T_{imu}^{-1}
\end{aligned}
$$