```
\begin{pmatrix} \cos(\theta_3) & (\cos(\theta_1) & \cos(\theta_2) - \sin(\theta_1) & \sin(\theta_2)) - \sin(\theta_3) & (\cos(\theta_1) & \sin(\theta_2) + \cos(\theta_2) & \sin(\theta_1)) & -\cos(\theta_3) & (\cos(\theta_3) & (\cos(\theta_1) & \sin(\theta_2) + \cos(\theta_2) & \sin(\theta_1)) & +\sin(\theta_3) & (\cos(\theta_1) & \cos(\theta_2) - \sin(\theta_1) & \sin(\theta_2)) & \cos(\theta_3) & (\cos(\theta_1) & \cos(\theta_2) & \cos(\theta_3) & \cos(\theta_3) & (\cos(\theta_1) & \cos(\theta_2) & \sin(\theta_2)) & \cos(\theta_3) & (\cos(\theta_1) & \cos(\theta_2) & \cos(\theta_3) & \cos(
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