Burau Calculus Scratch

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ω	h[1]	h[2]	h[3]	h[4]	h[5]
t[1]	0	α_{12}	α_{13}	α_{14}	α_{15}
t[2]	α_{21}	0	α_{23}	α_{24}	α_{25}
t[3]	α_{31}	α_{32}	0	α_{34}	α_{35}
t[4]	α_{41}	α_{42}	α_{43}	0	α_{45}
t[5]	α_{51}	α_{52}	α_{53}	α_{54}	0

$\omega - \alpha_{12}$	h[1]	h[3]	h[4]	h[5]
t[1]	0	$\frac{(\omega-\alpha_{12})\left(\alpha_{23}+\alpha_{13}\left(1+\frac{\alpha_{32}+\alpha_{42}+\alpha_{52}}{-\omega+\alpha_{12}}\right)\right)}{\omega}$	$\frac{(\omega-\alpha_{12})\left(\alpha_{24}+\alpha_{14}\left(1+\frac{\alpha_{32}+\alpha_{42}+\alpha_{52}}{-\omega+\alpha_{12}}\right)\right)}{\omega}$	$\frac{(\omega-\alpha_{12})\left(\alpha_{25}+\alpha_{15}\left(1+\frac{\alpha_{32}+\alpha_{42}+\alpha_{52}}{-\omega+\alpha_{12}}\right)\right)}{\omega}$
t[3]	$\frac{\alpha_{31}(\omega-\alpha_{12}-\alpha_{32})-\alpha_{32}(\alpha_{21}+\alpha_{41}+\alpha_{51})}{\omega}$	0	$\frac{\alpha_{14}\alpha_{32}+(\omega-\alpha_{12})\alpha_{34}}{\omega}$	$\frac{\alpha_{15}\alpha_{32}+(\omega-\alpha_{12})\alpha_{35}}{\omega}$
t[4]	$\frac{\alpha_{41}(\omega-\alpha_{12}-\alpha_{42})-\alpha_{42}(\alpha_{21}+\alpha_{31}+\alpha_{51})}{\omega}$	$\frac{\alpha_{13}\alpha_{42}+(\omega-\alpha_{12})\alpha_{43}}{\omega}$	0	$\frac{\alpha_{15}\alpha_{42}+(\omega-\alpha_{12})\alpha_{45}}{\omega}$
t[5]	$\frac{\alpha_{51}(\omega-\alpha_{12}-\alpha_{52})-(\alpha_{21}+\alpha_{31}+\alpha_{41})\alpha_{52}}{\omega}$	$\frac{\alpha_{13}\alpha_{52}+(\omega-\alpha_{12})\alpha_{53}}{\omega}$	$\frac{\alpha_{14}\alpha_{52}+(\omega-\alpha_{12})\alpha_{54}}{\omega}$	0