BlockSim 6 - Complex System Example - Analytic Solution

Master Diagram Algebraic Equation

The following reliability equation (1-cdf) is of the master diagram, where each R is the item's reliability function and $R_{Subsystem1}$, $R_{Subsystem2}$ and $R_{Subsystem3}$ are additional reliability equations.

$$((R_{Start}\cdot R_{Node\ 1/2}(-(R_{Node\ 2/3}(-2R_{VAIC-1}\cdot R_{VAIC-2}\cdot R_{VAIC-3}+R_{VAIC-1}\cdot R_{VAIC-2}+R_{VAIC-1}\cdot R_{VAIC-3}+R_{VAIC-2}\cdot R_{VAIC-3}))\ (R_{TBAI-T}\cdot R_{Node\ 2/3}(-2R_{VAIC-4}\cdot R_{VAIC-5}\cdot R_{VAIC-6}+R_{VAIC-4}\cdot R_{VAIC-5}+R_{VAIC-4}\cdot R_{VAIC-6}+R_{VAIC-5}\cdot R_{VAIC-6}))\ (R_{Node\ 2/3}(-2R_{VAOC-T1}\cdot R_{VAOC-T2}\cdot R_{>VAOC-T3}+R_{VAOC-T1}\cdot R_{VAOC-T2}+R_{VAOC-T1}\cdot R_{VAOC-T3}+R_{VAOC-T2}\cdot R_{VAOC-T3}))R_{Subsystem3}\cdot R_{TBAO-T}\cdot R_{VCMI-T}(R_{Node\ 1/2}(-(R_{Node\ 2/3}(-2R_{VAOC-R1}\cdot R_{VAOC-R2}\cdot R_{VAOC-R3}+R_{VAOC-R1}\cdot R_{VAOC-R2}+R_{VAOC-R1}\cdot R_{VAOC-R3}+R_{VAOC-R2}\cdot R_{VAOC-R3}))\ R_{TBAO-S}(R_{UCVB-R}\cdot R_{Node\ 1/5}(R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{TSVO-RC}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{TSVO-RD}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RE}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}-R_{VSVO-R3}\cdot R_{TSVO-RE}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}-R_{TSVO-RC}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{TSVO-RC}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{TSVO-RD}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{TSVO-RD}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{VSVO-R2}-R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}+R_{VSVO-R3}\cdot R_{TSVO-RE}+R_{TSVO-RC}\cdot R_{VSVO-R2}+R_{TSVO-RD}\cdot R_{VSVO-R2}+R_{TSVO-RA}\cdot R_{VSVO-R1}+R_{TSVO-RB}\cdot R_{VSVO-R1}))(R_{UCVB-S}\cdot R_{Node\ 1/5}(R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SB}\cdot R_{TSVO-SD}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}+R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SC}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}+R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SD}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}+R_{VSVO}\cdot R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}+R_{VSVO}\cdot R_{TSVO-SB}\cdot R_{TSVO-SD}\cdot R_{TSVO-SE}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO-SA}\cdot R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{VSVO}\cdot R_{VSVO}+R_{TSVO-SA}\cdot R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{VSVO}\cdot R_{VSVO}+R_{TSVO-SA}\cdot R_{TSVO-SB}\cdot R_{TSVO-SD}\cdot R_{VSVO}\cdot R_{VSVO}+R_{TSVO-SA}\cdot R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{VSVO}\cdot R_{VSVO}+R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{VSVO}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SE}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SB}\cdot R_{TSVO-SE}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SC}\cdot R_{TSVO-SE}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SD}\cdot R_{TSVO-SE}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO-SA}\cdot R_{TSVO-SC}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO-SA}\cdot R_{TSVO-SD}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO-SB}\cdot R_{TSVO-SC}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO-SB}\cdot R_{TSVO-SD}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO-SA}\cdot R_{TSVO-SB}\cdot R_{VSVO}-R_{TSVO-SC}\cdot R_{TSVO-SD}\cdot R_{VSVO}+R_{VSVO}\cdot R_{TSVO-SE}+R_{TSVO-SA}\cdot R_{VSVO}+R_{TSVO-SB}\cdot R_{VSVO}+R_{TSVO-SC}\cdot R_{VSVO}+R_{TSVO-SD}\cdot R_{VSVO}))(R_{Node\ 2/3}(-2R_{VAOC-S1}\cdot R_{VAOC-S2}\cdot R_{VAOC-S3}+R_{VAOC-S1}\cdot R_{VAOC-S2}+R_{VAOC-S1}\cdot R_{VAOC-S3}+R_{VAOC-S2}\cdot R_{VAOC-S3}))R_{Subsystem1}\cdot R_{Subsystem2}\cdot R_{TBAI-R}\cdot R_{TBAI-S}\cdot R_{VCMI-R}\cdot R_{VCMI-S}\cdot R_{TBAO-R}+(R_{Node\ 2/3}(-2R_{VAOC-R1}\cdot R_{VAOC-R2}\cdot R_{VAOC-R3}+R_{VAOC-R1}\cdot R_{VAOC-R2}+R_{VAOC-R1}\cdot R_{VAOC-R3}+R_{VAOC-R2}\cdot R_{VAOC-R3}))(R_{UCVB-R}\cdot R_{Node\ 1/5}(R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{VSVO-R3}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RE}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}-R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RA}\cdot R_{TSVO-RB}\cdot R_{VSVO-R1}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RC}\cdot R_{TSVO-RD}\cdot R_{TSVO-RE}\cdot R_{VSVO-R2}+R_{VSVO-R3}\cdot R_{TSVO-RE}\cdot R_{TSVO-RA}\cdot R_{TSVO-}$$

$$R_{RB} \cdot R_{VSVO\text{-}R1} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} + R_{TSVO\text{-}RC} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RD} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} + R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1}))R_{Subsystem1} \cdot R_{TBAI\text{-}R} \cdot R_{VCMI\text{-}R} \cdot R_{TBAO\text{-}R} + R_{TBAO\text{-}S}(R_{UCVB\text{-}S} \cdot R_{Node\ 1/5}(R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} + R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SE} + R_{TSVO\text{-}SA} \cdot R_{VSVO} + R_{TSVO\text{-}SB} \cdot R_{VSVO} + R_{TSVO\text{-}SC} \cdot R_{VSVO} + R_{TSVO\text{-}SD} \cdot R_{VSVO}))(R_{Node\ 2/3}(-2R_{VAOC\text{-}S1} \cdot R_{VAOC\text{-}S2} \cdot R_{VAOC\text{-}S3} + R_{VAOC\text{-}S1} \cdot R_{VAOC\text{-}S2} + R_{VAOC\text{-}S1} \cdot R_{VAOC\text{-}S3} + R_{VAOC\text{-}S2} \cdot R_{VAOC\text{-}S3}))R_{Subsystem2} \cdot R_{TBAI\text{-}S} \cdot R_{VCMI\text{-}S}))(R_{UCVB\text{-}T} \cdot R_{Node\ 1/5}(R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} + R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TE} + R_{TSVO\text{-}TA} \cdot R_{VSVO} + R_{TSVO\text{-}TB} \cdot R_{VSVO} + R_{TSVO\text{-}TC} \cdot R_{VSVO} + R_{TSVO\text{-}TD} \cdot R_{VSVO})) + (R_{TBAI\text{-}T} \cdot R_{Node\ 2/3}(-2R_{VAIC\text{-}4} \cdot R_{VAIC\text{-}5} \cdot R_{VAIC\text{-}6} + R_{VAIC\text{-}4} \cdot R_{VAIC\text{-}5} + R_{VAIC\text{-}4} \cdot R_{VAIC\text{-}6} + R_{VAIC\text{-}5} \cdot R_{VAIC\text{-}6}))(R_{Node\ 2/3}(-2R_{VAOC\text{-}T1} \cdot R_{VAOC\text{-}T2} \cdot R_{VAOC\text{-}T3} + R_{VAOC\text{-}T1} \cdot R_{VAOC\text{-}T2} + R_{VAOC\text{-}T1} \cdot R_{VAOC\text{-}T3} + R_{VAOC\text{-}T2} \cdot R_{VAOC\text{-}T3}))R_{Subsystem3} \cdot R_{TBAO\text{-}T} \cdot R_{VCMI\text{-}T}(R_{UCVB\text{-}T} \cdot R_{Node\ 1/5}(R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TD} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}TA} \cdot R_{TSVO\text{-}TC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}TB} \cdot R_{TSVO\text{-}TC} \cdot R_{TSVO\text{-}TD} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}TE} + R_{TSVO\text{-}TA} \cdot R_{VSVO} + R_{TSVO\text{-}TB} \cdot R_{VSVO} + R_{TSVO\text{-}TC} \cdot R_{VSVO} + R_{TSVO\text{-}TD} \cdot R_{VSVO})) + (R_{Node\ 2/3}(-2R_{VAIC\text{-}1} \cdot R_{VAIC\text{-}2} \cdot R_{VAIC\text{-}3} + R_{VAIC\text{-}1} \cdot R_{VAIC\text{-}2} + R_{VAIC\text{-}1} \cdot R_{VAIC\text{-}3} + R_{VAIC\text{-}2} \cdot R_{VAIC\text{-}3}))(R_{Node\ 1/2}(-(R_{Node\ 2/3}(-2R_{VAOC\text{-}R1} \cdot R_{VAOC\text{-}R2} \cdot R_{VAOC\text{-}R3} + R_{VAOC\text{-}R1} \cdot R_{VAOC\text{-}R2} + R_{VAOC\text{-}R1} \cdot R_{VAOC\text{-}R3} + R_{VAOC\text{-}R2} \cdot R_{VAOC\text{-}R3}))R_{TBAO\text{-}S}(R_{UCVB\text{-}R} \cdot R_{Node\ 1/5}(R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}}$$

$$R_{RE} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} + R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1}))(R_{UCVB\text{-}S} \cdot R_{Node\ 1/5}$$

$$(R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} + R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SE} + R_{TSVO\text{-}SA} \cdot R_{VSVO} + R_{TSVO\text{-}SB} \cdot R_{VSVO} + R_{TSVO\text{-}SC} \cdot R_{VSVO} + R_{TSVO\text{-}SD} \cdot R_{VSVO}))(R_{Node\ 2/3}(-2R_{VAOC\text{-}S1} \cdot R_{VAOC\text{-}S2} \cdot R_{VAOC\text{-}S3} + R_{VAOC\text{-}S1} \cdot R_{VAOC\text{-}S2} + R_{VAOC\text{-}S1} \cdot R_{VAOC\text{-}S3} + R_{VAOC\text{-}S2} \cdot R_{VAOC\text{-}S3}))R_{Subsystem1} \cdot R_{Subsystem2} \cdot R_{TBAI\text{-}R} \cdot R_{TBAI\text{-}S} \cdot R_{VCMI\text{-}R} \cdot R_{VCMI\text{-}S} \cdot R_{TBAO\text{-}R} + (R_{Node\ 2/3}(-2R_{VAOC\text{-}R1} \cdot R_{VAOC\text{-}R2} \cdot R_{VAOC\text{-}R3} + R_{VAOC\text{-}R1} \cdot R_{VAOC\text{-}R2} + R_{VAOC\text{-}R1} \cdot R_{VAOC\text{-}R3} + R_{VAOC\text{-}R2} \cdot R_{VAOC\text{-}R3}))$$

$$(R_{UCVB\text{-}R} \cdot R_{Node\ 1/5}(R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RE} \cdot R_{VSVO\text{-}R2} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} - R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RD} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RC} \cdot R_{TSVO\text{-}RD} \cdot R_{VSVO\text{-}R2} - R_{TSVO\text{-}RA} \cdot R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1} + R_{VSVO\text{-}R3} \cdot R_{TSVO\text{-}RE} + R_{TSVO\text{-}RC} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RD} \cdot R_{VSVO\text{-}R2} + R_{TSVO\text{-}RA} \cdot R_{VSVO\text{-}R1} + R_{TSVO\text{-}RB} \cdot R_{VSVO\text{-}R1}))R_{Subsystem1} \cdot R_{TBAI\text{-}R} \cdot R_{VCMI\text{-}R} \cdot R_{TBAO\text{-}R} + R_{TBAO\text{-}S}(R_{UCVB\text{-}S} \cdot R_{Node\ 1/5}$$

$$(R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} \cdot R_{VSVO} - R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} + R_{VSVO} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} + R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} + R_{TSVO\text{-}SB} \cdot R_{TSVO\text{-}SC} \cdot R_{TSVO\text{-}SD} \cdot R_{VSVO} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}SA} \cdot R_{TSVO\text{-}SE} \cdot R_{VSVO} - R_{VSVO} \cdot R_{TSVO\text{-}}$$

$$R_{SB}\cdot R_{TSVO\text{-}SE}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO\text{-}SC}\cdot R_{TSVO\text{-}SE}\cdot R_{VSVO}-R_{VSVO}\cdot R_{TSVO\text{-}SD}\cdot R_{TSVO\text{-}SE}\cdot R_{VSVO}-R_{TSVO\text{-}SA}\cdot R_{TSVO\text{-}SC}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO\text{-}SA}\cdot R_{TSVO\text{-}SD}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO\text{-}SB}\cdot R_{TSVO\text{-}SC}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO\text{-}SB}\cdot R_{TSVO\text{-}SD}\cdot R_{VSVO}\cdot R_{VSVO}-R_{TSVO\text{-}SA}\cdot R_{TSVO\text{-}SB}\cdot R_{VSVO}-R_{TSVO\text{-}SC}\cdot R_{TSVO\text{-}SD}\cdot R_{VSVO}+R_{VSVO}\cdot R_{TSVO\text{-}SE}+R_{TSVO\text{-}SA}\cdot R_{VSVO}+R_{TSVO\text{-}SB}\cdot R_{VSVO}+R_{TSVO\text{-}SC}\cdot R_{VSVO}+R_{TSVO\text{-}SD}\cdot R_{VSVO}))(R_{Node\ 2/3}(-2R_{VAOC\text{-}S1}\cdot R_{VAOC\text{-}S2}\cdot R_{VAOC\text{-}S3}+R_{VAOC\text{-}S1}\cdot R_{VAOC\text{-}S2}+R_{VAOC\text{-}S1}\cdot R_{VAOC\text{-}S3}+R_{VAOC\text{-}S2}\cdot R_{VAOC\text{-}S3}))R_{Subsystem2}\cdot R_{TBAI\text{-}S}\cdot R_{VCMI\text{-}S})))(R_{Node\ 4/4}(R_{Node\ 1/2}\cdot R_{TRLY\text{-}7}\cdot R_{TRLY\text{-}8}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}11}\cdot R_{TRLY\text{-}12}-R_{Node\ 1/2}\cdot R_{TRLY\text{-}7}\cdot R_{TRLY\text{-}8}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}11}-R_{Node\ 1/2}\cdot R_{TRLY\text{-}7}\cdot R_{TRLY\text{-}8}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}12}-R_{Node\ 1/2}\cdot R_{TRLY\text{-}7}\cdot R_{TRLY\text{-}8}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}11}\cdot R_{TRLY\text{-}12}-R_{Node\ 1/2}\cdot R_{TRLY\text{-}7}\cdot R_{TRLY\text{-}8}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}\cdot R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}11}\cdot R_{TRLY\text{-}12}-R_{Node\ 1/2}\cdot R_{TRLY\text{-}7}\cdot R_{TRLY\text{-}8}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}}$$

$$S5 \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-1} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-}$$

$$S3 \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3})))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} - R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-1} \cdot R_{TRLY-5}$$

$$(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}))R_{\text{Node 1/2}}\cdot R_{\text{TRLY-2}}(R_{\text{TRLY-4}}(-(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))))R_{\text{Node 1/2}}\cdot R_{\text{Node 1/2}}\cdot R_{\text{TRLY-6}}\cdot R_{\text{TRLY-11}}-R_{\text{Node 1/2}}\cdot R_{\text{TRLY-9}}\cdot R_{\text{TRLY-10}}\cdot R_{\text{TRLY-1}}\cdot R_{\text{TRLY-5}}(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}))R_{\text{Node 1/2}}\cdot R_{\text{TRLY-2}}(R_{\text{TRLY-4}}(-(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))))R_{\text{Node 1/2}}\cdot R_{\text{Node 1/2}}\cdot R_{\text{TRLY-11}}\cdot R_{\text{TRLY-12}}-R_{\text{Node 1/2}}\cdot R_{\text{TRLY-9}}\cdot R_{\text{TRLY-10}}\cdot R_{\text{TRLY-1}}\cdot R_{\text{TRLY-5}}(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}))R_{\text{Node 1/2}}\cdot R_{\text{TRLY-2}}\cdot R_{\text{Node 1/2}}\cdot R_{\text{Node 1/2}}\cdot R_{\text{TRLY-6}}\cdot R_{\text{TRLY-11}}\cdot R_{\text{TRLY-12}}-R_{\text{Node 1/2}}\cdot R_{\text{TRLY-9}}\cdot R_{\text{TRLY-10}}\cdot R_{\text{TRLY-1}}\cdot R_{\text{TRLY-5}}(R_{\text{Node 2/3}}(-2R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}))R_{\text{Node 1/2}}\cdot R_{\text{TRLY-2}}(R_{\text{TRLY-4}}(-(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))))R_{\text{Node 1/2}}\cdot R_{\text{Node 1/2}}\cdot R_{\text{TRLY-6}}\cdot R_{\text{TRLY-11}}\cdot R_{\text{TRLY-12}}-R_{\text{Node 1/2}}\cdot R_{\text{TRLY-9}}\cdot R_{\text{TRLY-10}}\cdot R_{\text{TRLY-1}}\cdot R_{\text{TRLY-5}}(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-T3}}+R_{\text{VCRC-S3}}\cdot R_{\text{VCRC-R3}}+R_{\text{VCRC-T3}}\cdot R_{\text{VCRC-R3}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-T1}}+R_{\text{VCRC-R1}}\cdot R_{\text{VCRC-S1}}+R_{\text{VCRC-T1}}\cdot R_{\text{VCRC-S1}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-T5}}+R_{\text{VCRC-S5}}\cdot R_{\text{VCRC-R5}}+R_{\text{VCRC-T5}}\cdot R_{\text{VCRC-R5}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-S6}}+R_{\text{VCRC-T6}}\cdot R_{\text{VCRC-R6}}+R_{\text{VCRC-S6}}\cdot R_{\text{VCRC-R6}}))R_{\text{Node 1/2}}\cdot R_{\text{TRLY-2}}(R_{\text{TRLY-4}}(-(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-T2}}+R_{\text{VCRC-S2}}\cdot R_{\text{VCRC-R2}}+R_{\text{VCRC-T2}}\cdot R_{\text{VCRC-R2}}))R_{\text{TRLY-3}}+(R_{\text{Node 2/3}}(-2R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-S4}}+R_{\text{VCRC-T4}}\cdot R_{\text{VCRC-R4}}+R_{\text{VCRC-S4}}\cdot R_{\text{VCRC-R4}}))))R_{\text{Node 1/2}}\cdot R_{\text{Node 1/2}}\cdot R_{\text{TRLY-6}}\cdot R_{\text{TRLY-11}}\cdot R_{\text{TRLY-12}}-R_{\text{Node 1/2}}\cdot R_{\text{TRLY-9}}\cdot R_{\text{TRLY-10}}\cdot R_{\text{TRLY-5}}(R_{\text{Node 2/3}}(-2R_{\text{VCRC-}}$$

$$S3 \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-12} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-11} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} + R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-}$$

$$R4+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))$$
$$R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}12}-R_{Node\ 1/2}\cdot R_{TRLY\text{-}7}\cdot R_{TRLY\text{-}8}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))$$
$$R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}11}\cdot R_{TRLY\text{-}12}+R_{Node\ 1/2}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}1}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))$$
$$R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}\cdot R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}11}+R_{Node\ 1/2}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}1}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))$$
$$R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}\cdot R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}12}+R_{Node\ 1/2}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}1}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}T3}+R_{VCRC\text{-}S3}\cdot R_{VCRC\text{-}R3}+R_{VCRC\text{-}T3}\cdot R_{VCRC\text{-}R3}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))$$
$$R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}\cdot R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}11}\cdot R_{TRLY\text{-}12}+R_{Node\ 1/2}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}1}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}11}+R_{Node\ 1/2}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}1}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))))R_{Node\ 1/2}\cdot R_{Node\ 1/2}\cdot R_{TRLY\text{-}6}\cdot R_{TRLY\text{-}11}+R_{Node\ 1/2}\cdot R_{TRLY\text{-}9}\cdot R_{TRLY\text{-}10}\cdot R_{TRLY\text{-}1}\cdot R_{TRLY\text{-}5}(R_{Node\ 2/3}(-2R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}T1}+R_{VCRC\text{-}R1}\cdot R_{VCRC\text{-}S1}+R_{VCRC\text{-}T1}\cdot R_{VCRC\text{-}S1}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}T5}+R_{VCRC\text{-}S5}\cdot R_{VCRC\text{-}R5}+R_{VCRC\text{-}T5}\cdot R_{VCRC\text{-}R5}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}S6}+R_{VCRC\text{-}T6}\cdot R_{VCRC\text{-}R6}+R_{VCRC\text{-}S6}\cdot R_{VCRC\text{-}R6}))R_{Node\ 1/2}\cdot R_{TRLY\text{-}2}(R_{TRLY\text{-}4}(-(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}T2}+R_{VCRC\text{-}S2}\cdot R_{VCRC\text{-}R2}+R_{VCRC\text{-}T2}\cdot R_{VCRC\text{-}R2}))R_{TRLY\text{-}3}+(R_{Node\ 2/3}(-2R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}\cdot R_{VCRC\text{-}R4}+R_{VCRC\text{-}T4}\cdot R_{VCRC\text{-}S4}+R_{VCRC\text{-}}$$

$$T4 \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})))) R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-1} \cdot R_{TRLY-5} (R_{Node\ 2/3} (-$$
$$2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1})) (R_{Node\ 2/3} (-2R_{VCRC-S5} \cdot R_{VCRC-}$$
$$T5 \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5})) (R_{Node\ 2/3} (-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-}$$
$$T6 \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6})) R_{Node\ 1/2} \cdot R_{TRLY-2} (R_{TRLY-4} (-(R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-}$$
$$S2 \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2})) (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-}$$
$$T4 \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})) R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-}$$
$$R2 + R_{VCRC-T2} \cdot R_{VCRC-R2})) R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-}$$
$$S4 \cdot R_{VCRC-R4})))) R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-1} \cdot R_{TRLY-5} (R_{Node\ 2/3} (-2R_{VCRC-R1} \cdot R_{VCRC-}$$
$$T1 \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1})) (R_{Node\ 2/3} (-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-}$$
$$S5 \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5})) (R_{Node\ 2/3} (-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-}$$
$$T6 \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6})) R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-}$$
$$10 \cdot R_{TRLY-1} (R_{Node\ 2/3} (-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3})) (R_{Node\ 2/3} (-$$
$$2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1})) (R_{Node\ 2/3} (-2R_{VCRC-S5} \cdot R_{VCRC-}$$
$$T5 \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5})) (R_{Node\ 2/3} (-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-}$$
$$T6 \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6})) R_{Node\ 1/2} \cdot R_{TRLY-2} (R_{TRLY-4} (-(R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-}$$
$$R2 + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2})) (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-}$$
$$S4 + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})) R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-}$$
$$S2 \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2})) R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-}$$
$$R4 + R_{VCRC-S4} \cdot R_{VCRC-R4})))) R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-1} (R_{Node\ 2/3} (-2R_{VCRC-S3} \cdot R_{VCRC-}$$
$$T3 \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3})) (R_{Node\ 2/3} (-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-}$$
$$R1 \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1})) (R_{Node\ 2/3} (-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-}$$
$$S5 \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5})) (R_{Node\ 2/3} (-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-}$$
$$S6 \cdot R_{VCRC-R6})) R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-1} (R_{Node\ 2/3} (-$$
$$2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1})) (R_{Node\ 2/3} (-2R_{VCRC-S5} \cdot R_{VCRC-}$$
$$T5 \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5})) (R_{Node\ 2/3} (-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-}$$
$$T6 \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6})) R_{Node\ 1/2} \cdot R_{TRLY-2} (R_{TRLY-4} (-(R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-}$$
$$R2 + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2})) (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-}$$
$$S4 + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})) R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-}$$
$$S2 \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2})) R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-}$$
$$R4 + R_{VCRC-S4} \cdot R_{VCRC-R4})))) R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5} (R_{Node\ 2/3} (-2R_{VCRC-}$$
$$S3 \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3})) (R_{Node\ 2/3} (-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-}$$
$$S1 + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1})) (R_{Node\ 2/3} (-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-}$$
$$T5 + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5})) (R_{Node\ 2/3} (-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-}$$
$$R6 + R_{VCRC-S6} \cdot R_{VCRC-R6})) R_{Node\ 1/2} \cdot R_{TRLY-2} (R_{TRLY-4} (-(R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-}$$
$$S2 \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2})) (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-}$$
$$S4 \cdot R_{VCRC-R4})) R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))$$
$$R_{TRLY-3} + (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4})))) R_{Node\ 1/2} \cdot R_{Node}$$
$$1/2 \cdot R_{TRLY-6} \cdot R_{TRLY-11} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5} (R_{Node\ 2/3} (-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-}$$
$$S3 \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3})) (R_{Node\ 2/3} (-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-}$$
$$T1 \cdot R_{VCRC-S1})) (R_{Node\ 2/3} (-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5})) (R_{Node\ 2/3} (-$$
$$2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6})) R_{Node\ 1/2} \cdot R_{TRLY-2} (R_{TRLY-4} (-(R_{Node\ 2/3}$$
$$(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2})) (R_{Node\ 2/3} (-2R_{VCRC-T4} \cdot R_{VCRC-}$$

$$S4 \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}$$
$$(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))$$
$$R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} + R_{Node\ 1/2} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))$$
$$R_{Node\ 1/2} \cdot R_{TRLY-2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-11} \cdot R_{TRLY-12} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10} \cdot R_{TRLY-5}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-S5} \cdot R_{VCRC-T5} \cdot R_{VCRC-R5} + R_{VCRC-S5} \cdot R_{VCRC-T5} + R_{VCRC-S5} \cdot R_{VCRC-R5} + R_{VCRC-T5} \cdot R_{VCRC-R5}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-12} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2} \cdot R_{TRLY-2} \cdot R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-12} - R_{Node\ 1/2} \cdot R_{TRLY-7} \cdot R_{TRLY-8} \cdot R_{TRLY-9} \cdot R_{TRLY-10}(R_{Node\ 2/3}(-2R_{VCRC-S3} \cdot R_{VCRC-T3} \cdot R_{VCRC-R3} + R_{VCRC-S3} \cdot R_{VCRC-T3} + R_{VCRC-S3} \cdot R_{VCRC-R3} + R_{VCRC-T3} \cdot R_{VCRC-R3}))(R_{Node\ 2/3}(-2R_{VCRC-R1} \cdot R_{VCRC-T1} \cdot R_{VCRC-S1} + R_{VCRC-R1} \cdot R_{VCRC-T1} + R_{VCRC-R1} \cdot R_{VCRC-S1} + R_{VCRC-T1} \cdot R_{VCRC-S1}))(R_{Node\ 2/3}(-2R_{VCRC-T6} \cdot R_{VCRC-S6} \cdot R_{VCRC-R6} + R_{VCRC-T6} \cdot R_{VCRC-S6} + R_{VCRC-T6} \cdot R_{VCRC-R6} + R_{VCRC-S6} \cdot R_{VCRC-R6}))R_{Node\ 1/2}(R_{TRLY-4}(-(R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))(R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-S2} \cdot R_{VCRC-T2} \cdot R_{VCRC-R2} + R_{VCRC-S2} \cdot R_{VCRC-T2} + R_{VCRC-S2} \cdot R_{VCRC-R2} + R_{VCRC-T2} \cdot R_{VCRC-R2}))R_{TRLY-3} + (R_{Node\ 2/3}(-2R_{VCRC-T4} \cdot R_{VCRC-S4} \cdot R_{VCRC-R4} + R_{VCRC-T4} \cdot R_{VCRC-S4} + R_{VCRC-T4} \cdot R_{VCRC-R4} + R_{VCRC-S4} \cdot R_{VCRC-R4}))))R_{Node\ 1/2} \cdot R_{Node\ 1/2} \cdot R_{TRLY-6} \cdot R_{TRLY-}$$