

ABBREVIATORY SYMBOLS

Parentheses indicate optional elements; braces indicate alternative elements.
Plus signs before or after parentheses and braces are usually omitted since there is no loss of clarity.

	SINGLE RULE USING ABBREVIATORY SYMBOLS		INDIVIDUAL RULES WITH NO ABBREVIATORY SYMBOLS
	NO UNNECESSARY PLUS SIGNS	ALL PLUS SIGNS INCLUDED	
1	$Y \div (A)B$	$Y \div (A) + B$	$Y \div B$ $Y \div A + B$
2	$Y \div A(B)(C)$	$Y \div A + (B) + (C)$	$Y \div A$ $Y \div A + B$ $Y \div A + C$ $Y \div A + B + C$
3	$Y \div A(B + C)$	$Y \div A + (B + C)$	$Y \div A$ $Y \div A + B + C$
4	$Y \div ((A)B)C$	$Y \div ((A) + B) + C$	$Y \div C$ $Y \div B + C$ $Y \div A + B + C$
5	$Y \div A(B(C))$	$Y \div A + (B + (C))$	$Y \div A$ $Y \div A + B$ $Y \div A + B + C$
6	$Y \div \begin{Bmatrix} A \\ B \\ C \end{Bmatrix}$		$Y \div A$ $Y \div B$ $Y \div C$
	$Y \div \{A, B, C\}$		
7	$Y \div \left(\begin{Bmatrix} A \\ B \\ C \end{Bmatrix} \right) D$	$Y \div \left(\begin{Bmatrix} A \\ B \\ C \end{Bmatrix} \right) + D$	$Y \div D$ $Y \div A + D$ $Y \div B + D$ $Y \div C + D$
	$Y \div (\{A, B, C\})D$	$Y \div (\{A, B, C\}) + D$	
8	$Y \div \begin{Bmatrix} A+B+C \\ D \\ F(G) \end{Bmatrix}$	$Y \div \begin{Bmatrix} A+B+C \\ D \\ F+(G) \end{Bmatrix}$	$Y \div A + B + C$ $Y \div D$ $Y \div F$ $Y \div F + G$
	$Y \div \{A + B + C, D, F(G)\}$	$Y \div \{A + B + C, D, F + (G)\}$	
9	$Y \div A \begin{Bmatrix} \{B\}(D) \\ \{C\} \\ E+F \end{Bmatrix}$	$Y \div A + \begin{Bmatrix} \{B\} + (D) \\ \{C\} \\ E+F \end{Bmatrix}$	$Y \div A + B$ $Y \div A + B + D$ $Y \div A + C$ $Y \div A + C + D$ $Y \div A + E + F$
	$Y \div A \{\{B, C\}(D), E + F\}$	$Y \div A + \{\{B, C\} + (D), E + F\}$	
10	$Y \div \begin{Bmatrix} A \\ B \end{Bmatrix} C \left(\begin{Bmatrix} D \\ E \end{Bmatrix} \right)$	$Y \div \begin{Bmatrix} A \\ B \end{Bmatrix} + C + \left(\begin{Bmatrix} D \\ E \end{Bmatrix} \right)$	$Y \div A + C$ $Y \div A + C + D$ $Y \div A + C + E$ $Y \div B + C$ $Y \div B + C + D$ $Y \div B + C + E$
	$Y \div \{A, B\} C (\{D, E\})$	$Y \div \{A, B\} + C + (\{D, E\})$	