Filter Table: None

1 Filter Summary

Filter Order	Z Combo	Transfer Function	Valid	Filter Type	Parameters
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s+\frac{1}{R_L}+L_L s}\right)$	$\frac{L_L R_L R_1 g_m s^2}{(R_1 g_m+1)(C_L L_L R_L s^2+L_L s+R_L)}$	Yes	BP	Q: $C_L R_L\sqrt{\frac{1}{C_L L_L}}$; wo: $\sqrt{\frac{1}{C_L L_L}}$; bandwidth: $\frac{1}{C_L R_L}$; K-LP: 0; K-HP: 0; K-BP: $\frac{R_L R_L g_m}{R_1 g_m+1}$; Qz: 0; Wz: None;
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s+1}\right)$	$\frac{L_1 R_L g_m s}{(C_L R_L s+1)(L_1 g_m s+1)}$	Yes	BP	Q: $\frac{C_L L_1 R_L g_m \sqrt{\frac{1}{C_L L_1 R_L g_m}}}{C_L R_L+L_1 g_m}$; wo: $\sqrt{\frac{1}{C_L L_1 R_L g_m}}$; bandwidth: $\frac{C_L R_L+L_1 g_m}{C_L L_1 R_L g_m}$; K-LP: 0; K-HP: 0; K-BP: $\frac{L_1 R_L g_m}{C_L R_L+L_1 g_m}$; Qz: 0; Wz: None;
None	$\left(\frac{L_L s}{C_L L_L s^2+1},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{L_1 R_L g_m s}{C_L L_L s^2+L_1 g_m s+1}$	Yes	BP	Q: $\frac{C_1\sqrt{\frac{1}{C_1 L_1}}}{g_m}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{g_m}{C_1}$; K-LP: 0; K-HP: 0; K-BP: R_L; Qz: 0; Wz: None;
None	$\left(\frac{1}{C_1 s+\frac{1}{R_1}+\frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{L_1 R_L R_1 g_m s}{C_1 L_1 R_1 s^2+L_1 s+R_1 g_m s+L_1 s+R_1}$	Yes	BP	Q: $\frac{R_1\sqrt{\frac{1}{C_1 L_1}}}{R_1 g_m+1}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{R_1 g_m+1}{C_1 R_1}$; K-LP: 0; K-HP: 0; K-BP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; Qz: 0; Wz: None;
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s+1}\right)$	$\frac{R_L g_m}{(C_1 s+g_m)(C_L R_L s+1)}$	Yes	LP	Q: $\frac{C_1 C_L R_L\sqrt{\frac{1}{C_1 C_L R_L g_m}}}{C_1+C_L R_L g_m}$; wo: $\sqrt{\frac{1}{C_1 C_L R_L}}$; bandwidth: $\frac{g_m}{C_1}$; K-LP: R_L; K-HP: 0; K-BP: 0; Qz: None; Wz: None;
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s+1}\right)$	$\frac{R_1 R_L g_m}{(C_L R_L s+1)(C_1 R_1 s+R_1 g_m s+1)}$	Yes	LP	Q: $\frac{C_1 C_L R_1 R_L\sqrt{\frac{R_1 g_m+1}{C_1 C_L R_1 R_L}}}{C_1 R_1+C_L R_L R_1 g_m+C_L R_L}$; wo: $\sqrt{\frac{R_1 g_m+1}{C_1 C_L R_1 R_L}}$; bandwidth: $\frac{C_1 R_1+C_L R_L R_1 g_m+C_L R_L}{C_1 C_L R_1 R_L}$; K-LP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; K-HP: 0; K-BP: 0; Qz: None; Wz: None;
None	$\left(\frac{L_L s}{C_L L_L s^2+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{C_1 g_m}{g_m}$; wo: ...; $\frac{1}{C_L(C_L L_L s^2+L_1 g_m s+1)}$	Yes	LP	Q: $\frac{C_1\sqrt{\frac{1}{C_1 L_1}}}{g_m}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{g_m}{C_1}$; K-LP: $\frac{L_1 g_m}{C_1}$; K-HP: 0; K-BP: 0; Qz: None; Wz: None;
None	$\left(\frac{1}{C_1 s+\frac{1}{R_1}+\frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{L_1 R_1 g_m}{C_1(C_1 L_1 R_1 s^2+L_1 R_1 g_m s+L_1 s+R_1)}$	Yes	LP	Q: $\frac{C_1 R_1\sqrt{\frac{1}{C_1 L_1}}}{R_1 g_m+1}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{R_1 g_m+1}{C_1 R_1}$; K-LP: $\frac{L_1 g_m}{C_1}$; K-HP: 0; K-BP: 0; Qz: None; Wz: None;
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$	$\frac{R_1 R_L g_m(C_L L_L s^2+1)}{(R_1 g_m+1)(C_L L_L s^2+C_L R_L s+1)}$	Yes	BS	Q: $\frac{L_L\sqrt{\frac{1}{C_L L_L}}}{R_L}$; wo: $\sqrt{\frac{1}{C_L L_L}}$; bandwidth: $\frac{R_L}{L_L}$; K-LP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; K-HP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; K-BP: 0; Qz: None; Wz: $\sqrt{\frac{1}{C_L L_L}}$;
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_L g_m(C_1 L_1 s^2+1)}{C_1 L_1 g_m s^2+C_1 s+g_m}$	Yes	BS	Q: $L_1 g_m\sqrt{\frac{1}{C_1 L_1}}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{1}{L_1 g_m}$; K-LP: R_L; K-HP: R_L; K-BP: 0; Qz: None; Wz: $\sqrt{\frac{1}{C_1 L_1}}$;
None	$\left(\frac{R_1\left(L_1 s+\frac{1}{C_1 s}\right)}{L_1 s+R_1+\frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_1 R_L g_m(C_1 L_1 s^2+1)}{C_1 L_1 R_1 g_m s^2+C_1 L_1 s^2+C_1 R_1 s+R_1 g_m s+1}$	Yes	BS	Q: $\frac{L_1\sqrt{\frac{1}{C_1 L_1}}(R_1 g_m+1)}{R_1}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{R_1}{L_1(R_1 g_m+1)}$; K-LP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; K-HP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; K-BP: 0; Qz: None; Wz: $\sqrt{\frac{1}{C_1 L_1}}$;
None	$\left(L_1 s+R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_L g_m(C_1 L_1 s^2+C_1 R_1 s+1)}{C_1 L_1 g_m s^2+C_1 R_1 g_m s+C_1 s+g_m}$	Yes	GE	Q: $\frac{R_1 g_m+1}{R_1 g_m}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: ...; K-LP: R_L; K-HP: R_L; K-BP: R_L; Qz: $\frac{L_1}{R_1}\sqrt{\frac{1}{C_1 L_1}}$; Wz: $\sqrt{\frac{1}{C_1 L_1}}$;
None	$\left(\frac{L_1 s}{C_1 L_1 s^2+1},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_L L_1 g_m(C_1 L_L R_L s^2+L_1 s+R_L)}{C_1 L_1 R_L g_m s^2+C_1 L_1 s^2+L_1 g_m s+1}$	Yes	GE	Q: $\frac{C_1\sqrt{\frac{1}{C_1 L_1}}(R_1 g_m+1)}{g_m}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: ...; K-LP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; K-HP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; K-BP: $C_1 R_1$; Qz: $\sqrt{\frac{1}{C_1 L_1}}$; Wz: $\sqrt{\frac{1}{C_1 L_1}}$;
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s+1}\right)$	$\frac{R_1 g_m(C_1 R_1 s+1)}{(C_L R_L s+1)(C_1 R_1 g_m s+C_1 s+g_m)}$	Yes	$INVALID-NUMER$	Q: $\frac{C_1 C_L R_L\sqrt{\frac{1}{C_1 C_L R_L(R_1 g_m+1)}}(R_1 g_m+1)}{C_1 R_1 g_m+C_1+C_L R_L g_m}$; wo: $\sqrt{\frac{g_m}{C_1 C_L R_L(R_1 g_m+1)}}$; bandwidth: $\frac{C_1 R_1 g_m+C_1+C_L R_L g_m}{C_1 C_L R_L(R_1 g_m+1)}$; K-LP: R_L; K-HP: 0; K-BP: 0; Qz: 0; Wz: None;
None	$\left(\frac{L_L s}{C_L L_L s^2+1},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{L_1 g_m(C_L R_L s+1)}{C_L L_L s(C_L L_L s^2+L_1 g_m s+1)}$	Yes	$INVALID-NUMER$	Q: $\frac{C_1\sqrt{\frac{1}{C_1 L_1}}}{g_m}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{g_m}{C_1}$; K-LP: 0; K-BP: R_L; Qz: 0; Wz: None;
None	$\left(\frac{1}{C_1 s+\frac{1}{R_1}+\frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{L_1 R_1 g_m(C_L R_L s+1)}{C_L(C_1 L_1 R_1 s^2+L_1 R_1 g_m s+L_1 s+R_1)}$	Yes	$INVALID-NUMER$	Q: $\frac{C_1 R_1\sqrt{\frac{1}{C_1 L_1}}}{R_1 g_m+1}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{R_1 g_m+1}{C_1 R_1}$; K-LP: $\frac{L_1 g_m}{C_1}$; K-HP: 0; K-BP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; Qz: 0; Wz: None;
None	$\left(\frac{L_1 s}{C_1 L_1 s^2+1},\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{L_1 g_m(C_L L_L s^2+1)}{C_L(C_1 L_1 s^2+L_1 g_m s+1)}$	No	$INVALID-WZ$	Q: $\frac{C_1\sqrt{\frac{1}{C_1 L_1}}}{g_m}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{g_m}{C_1}$; K-LP: $\frac{L_1 g_m}{C_1}$; K-HP: $\frac{L_1 g_m}{C_1}$; K-BP: $\frac{L_1 g_m}{C_1}$; Qz: None; Wz: $\sqrt{\frac{1}{C_L L_L}}$;
None	$\left(\frac{L_L s}{C_1 L_1 s^2+1},\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{L_1 g_m(C_L L_L s^2+C_L R_L s+1)}{C_1(C_1 L_1 s^2+L_1 g_m s+1)}$	No	$INVALID-WZ$	Q: $\frac{C_1\sqrt{\frac{1}{C_1 L_1}}}{g_m}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{g_m}{C_1}$; K-LP: $\frac{L_1 g_m}{C_1}$; K-HP: $\frac{L_1 g_m}{C_1}$; K-BP: R_L; Qz: None; Wz: $\sqrt{\frac{1}{C_L L_L}}$;
None	$\left(\frac{1}{C_1 s+\frac{1}{R_1}+\frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{L_1 R_1 g_m(C_L L_L s^2+1)}{C_L(C_1 L_1 R_1 s^2+L_1 R_1 g_m s+L_1 s+R_1)}$	No	$INVALID-WZ$	Q: $\frac{C_1 R_1\sqrt{\frac{1}{C_1 L_1}}}{R_1 g_m+1}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{R_1 g_m+1}{C_1 R_1}$; K-LP: $\frac{L_1 g_m}{C_1}$; K-HP: $\frac{L_1 g_m}{C_1}$; K-BP: 0; Qz: None; Wz: $\sqrt{\frac{1}{C_L L_L}}$;
None	$\left(\frac{1}{C_1 s+\frac{1}{R_1}+\frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{L_1 R_1 g_m(C_L L_L s^2+C_L R_L s+1)}{C_L(C_1 L_1 R_1 s^2+L_1 R_1 g_m s+L_1 s+R_1)}$	No	$INVALID-WZ$	Q: $\frac{C_1 R_1\sqrt{\frac{1}{C_1 L_1}}}{R_1 g_m+1}$; wo: $\sqrt{\frac{1}{C_1 L_1}}$; bandwidth: $\frac{R_1 g_m+1}{C_1 R_1}$; K-LP: $\frac{L_1 g_m}{C_1}$; K-HP: $\frac{L_1 g_m}{C_1}$; K-BP: $\frac{R_1 R_L g_m}{R_1 g_m+1}$; Qz: $\frac{L_L}{R_L}\sqrt{\frac{1}{C_L L_L}}$; Wz: $\sqrt{\frac{1}{C_L L_L}}$;
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_1 R_L g_m}{R_1 g_m+1}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{R_1 g_m}{C_L s(R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s+1}\right)$	$\frac{R_1 R_L g_m}{(R_1 g_m+1)(C_L R_L s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{R_1 g_m(C_L R_L s+1)}{C_L s(R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{R_1 g_m(C_L L_L s^2+1)}{C_L s(R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}\right)$	$\frac{L_L g_m s}{(R_1 g_m+1)(C_L L_L s^2+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{R_1 g_m(C_L L_L s^2+C_L R_L s+1)}{C_L s(R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$	$\frac{R_1 g_m(C_L L_L R_L s^2+L_L s+R_L)}{(R_1 g_m+1)(C_L L_L s^2+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{L_1 R_L g_m s}{L_1 g_m s+1}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{L_1 g_m s}{C_L s(L_1 g_m s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{L_1 g_m s(C_L R_L s+1)}{C_L s(L_1 g_m s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{L_1 g_m s(C_L L_L s^2+1)}{C_L s(L_1 g_m s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}\right)$	$\frac{L_1 L_L g_m s^2}{(C_L L_L s^2+1)(L_1 g_m s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{L_1 g_m s(C_L L_L s^2+C_L R_L s+1)}{C_L s(L_1 g_m s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$	$\frac{L_1 L_L R_L g_m s^2}{(L_1 g_m s+1)(C_L L_L R_L s^2+L_L s+R_L)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$	$\frac{L_1 g_m s(C_L L_L R_L s^2+L_L s+R_L)}{(C_L L_L s^2+1)(L_1 g_m s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s,\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$	$\frac{L_1 R_L g_m s(C_L L_L s^2+1)}{(L_1 g_m s+1)(C_L L_L s^2+C_L R_L s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_L g_m}{C_1 s+g_m}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{g_m}{C_L s(C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{g_m(C_L R_L s+1)}{C_L s(C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{g_m(C_L L_L s^2+1)}{C_L s(C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}\right)$	$\frac{L_L g_m s}{(C_1 s+g_m)(C_L L_L s^2+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{g_m(C_L L_L s^2+C_L R_L s+1)}{C_L s(C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$	$\frac{L_L R_L g_m s}{(C_1 s+g_m)(C_L L_L R_L s^2+L_L s+R_L)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$	$\frac{g_m(C_L L_L R_L s^2+L_L s+R_L)}{(C_1 s+g_m)(C_L L_L s^2+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$	$\frac{R_L g_m(C_L L_L s^2+1)}{(C_1 s+g_m)(C_L L_L s^2+C_L R_L s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_1 R_L g_m}{C_1 R_1 s+R_1 g_m+1}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{R_1 g_m}{C_L s(C_1 R_1 s+R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{R_1 g_m(C_L R_L s+1)}{C_L s(C_1 R_1 s+R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{R_1 g_m(C_L L_L s^2+1)}{C_L s(C_1 R_1 s+R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}\right)$	$\frac{L_L g_m s}{(C_L L_L s^2+1)(C_1 R_1 s+R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{R_1 g_m(C_L L_L s^2+C_L R_L s+1)}{C_L s(C_1 R_1 s+R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$	$\frac{L_L R_L R_1 g_m s}{(C_1 R_1 s+R_1 g_m+1)(C_L L_L R_L s^2+L_L s+R_L)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$	$\frac{R_1 g_m(C_L L_L R_L s^2+L_L s+R_L)}{(C_L L_L s^2+1)(C_1 R_1 s+R_1 g_m+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{R_1}{C_1 R_1 s+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$	$\frac{R_1 R_L g_m(C_L L_L s^2+1)}{(C_1 R_1 s+R_1 g_m+1)(C_L L_L s^2+C_L R_L s+1)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L\right)$	$\frac{R_L g_m(C_1 R_1 s+1)}{C_1 R_1 g_m s+C_1 s+g_m}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{g_m(C_1 R_1 s+1)}{C_L s(C_1 R_1 g_m s+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{g_m(C_1 R_1 s+1)(C_L R_L s+1)}{C_L s(C_1 R_1 g_m s+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{g_m(C_1 R_1 s+1)(C_L L_L s^2+1)}{C_L s(C_1 R_1 g_m s+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}\right)$	$\frac{L_L g_m s(C_1 R_1 s+1)}{(C_L L_L s^2+1)(C_1 R_1 g_m s+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{g_m(C_1 R_1 s+1)(C_L L_L s^2+C_L R_L s+1)}{C_L s(C_1 R_1 g_m s+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$	$\frac{L_L R_L g_m s(C_1 R_1 s+1)}{(C_1 R_1 g_m s+C_1 s+g_m)(C_L L_L R_L s^2+L_L s+R_L)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$	$\frac{g_m(C_1 R_1 s+1)(C_L L_L R_L s^2+L_L s+R_L)}{(C_L L_L s^2+1)(C_1 R_1 g_m s+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(R_1+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$	$\frac{R_L g_m(C_1 R_1 s+1)(C_L L_L s^2+1)}{(C_L L_L s^2+C_L R_L s+1)(C_1 R_1 g_m s+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{g_m(C_1 L_1 s^2+1)}{C_L s(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s+1}\right)$	$\frac{R_L g_m(C_1 L_1 s^2+1)}{(C_L R_L s+1)(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ R_L+\frac{1}{C_L s}\right)$	$\frac{g_m(C_1 L_1 s^2+1)(C_L R_L s+1)}{C_L s(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+\frac{1}{C_L s}\right)$	$\frac{g_m(C_1 L_1 s^2+1)(C_L L_L s^2+1)}{C_L s(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}\right)$	$\frac{L_L g_m s(C_1 L_1 s^2+1)}{(C_L L_L s^2+1)(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ L_L s+R_L+\frac{1}{C_L s}\right)$	$\frac{g_m(C_1 L_1 s^2+1)(C_L L_L s^2+C_L R_L s+1)}{C_L s(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$	$\frac{L_L R_L g_m s(C_1 L_1 s^2+1)}{(C_1 L_1 g_m s^2+C_1 s+g_m)(C_L L_L R_L s^2+L_L s+R_L)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$	$\frac{g_m(C_1 L_1 s^2+1)(C_L L_L R_L s^2+L_L s+R_L)}{(C_L L_L s^2+1)(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(L_1 s+\frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$	$\frac{R_L g_m(C_1 L_1 s^2+1)(C_L L_L s^2+1)}{(C_L L_L s^2+C_L R_L s+1)(C_1 L_1 g_m s^2+C_1 s+g_m)}$	No	$INVALID-ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2+1},\ \infty,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s+1}\right)$	$\frac{L_1 R_L g_m s}{(C_L R_L s+1)(C_1 L_1 s^2+L_1 g_m s+1)}$	No	$INVALID-ORDER$	NONE

None					
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$	$\frac{L_1 L_L g_m s^2}{(C_L L_L s^2 + 1)(C_1 L_1 s^2 + L_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1},\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$	$\frac{L_1 L_L R_L g_m s^2}{(C_1 L_1 s^2 + L_1 g_m s + 1)(C_L L_L R_L s^2 + L_L s + R_L)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$	$\frac{L_1 g_m s (C_L L_L R_L s^2 + L_L s + R_L)}{(C_L L_L s^2 + 1)(C_1 L_1 s^2 + L_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1},\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$	$\frac{L_1 R_L g_m s (C_L L_L s^2 + 1)}{(C_1 L_1 s^2 + L_1 g_m s + 1)(C_L L_L s^2 + C_L R_L s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{g_m (C_1 L_1 s^2 + C_1 R_1 s + 1)}{C_L s (C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s + 1}\right)$	$\frac{R_L g_m (C_1 L_1 s^2 + C_1 R_1 s + 1)}{(C_L R_L s + 1)(C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ R_L + \frac{1}{C_L s}\right)$	$\frac{g_m (C_L R_L s + 1)(C_1 L_1 s^2 + C_1 R_1 s + 1)}{C_L s (C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ L_L s + \frac{1}{C_L s}\right)$	$\frac{g_m (C_L L_L s^2 + 1)(C_1 L_1 s^2 + C_1 R_1 s + 1)}{C_L s (C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$	$\frac{L_L g_m s (C_1 L_1 s^2 + C_1 R_1 s + 1)}{(C_L L_L s^2 + 1)(C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ L_L s + R_L + \frac{1}{C_L s}\right)$	$\frac{g_m (C_1 L_1 s^2 + C_1 R_1 s + 1)(C_L L_L s^2 + C_L R_L s + 1)}{C_L s (C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$	$\frac{L_L R_L g_m s (C_1 L_1 s^2 + C_1 R_1 s + 1)}{(C_L L_L R_L s^2 + L_L s + R_L)(C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$	$\frac{g_m (C_1 L_1 s^2 + C_1 R_1 s + 1)(C_L L_L R_L s^2 + L_L s + R_L)}{(C_L L_L s^2 + 1)(C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$	$\frac{R_L g_m (C_L L_L s^2 + 1)(C_1 L_1 s^2 + C_1 R_1 s + 1)}{(C_L L_L s^2 + C_L R_L s + 1)(C_1 L_1 g_m s^2 + C_1 R_1 g_m s + C_1 s + g_m)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s + 1}\right)$	$\frac{L_1 R_1 R_L g_m s}{(C_L R_L s + 1)(C_1 L_1 R_1 s^2 + L_1 R_1 g_m s + L_1 s + R_1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$	$\frac{L_1 L_L R_1 g_m s^2}{(C_L L_L s^2 + 1)(C_1 L_1 R_1 s^2 + L_1 R_1 g_m s + L_1 s + R_1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$	$\frac{L_1 L_L R_1 R_L g_m s^2}{(C_L L_L R_L s^2 + L_L s + R_L)(C_1 L_1 R_1 s^2 + L_1 R_1 g_m s + L_1 s + R_1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$	$\frac{L_1 R_1 g_m s (C_L L_L R_L s^2 + L_L s + R_L)}{(C_L L_L s^2 + 1)(C_1 L_1 R_1 s^2 + L_1 R_1 g_m s + L_1 s + R_1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$	$\frac{L_1 R_1 R_L g_m s (C_L L_L s^2 + 1)}{(C_L L_L R_L s^2 + L_L s + R_L)(C_1 L_1 R_1 s^2 + L_1 R_1 g_m s + L_1 s + R_1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{g_m (C_1 L_1 R_1 s^2 + L_1 s + R_1)}{C_L s (C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s + 1}\right)$	$\frac{R_L g_m (C_1 L_1 R_1 s^2 + L_1 s + R_1)}{(C_L R_L s + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + L_1 s + R_1 g_m s)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ R_L + \frac{1}{C_L s}\right)$	$\frac{g_m (C_1 L_1 R_1 s^2 + L_1 s + R_1)(C_L R_L s + 1)}{C_L s (C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + L_1 s + R_1 g_m s)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ L_L s + \frac{1}{C_L s}\right)$	$\frac{g_m (C_L L_L s^2 + 1)(C_1 L_1 R_1 s^2 + L_1 s + R_1)}{C_L s (C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + L_1 s + R_1 g_m s)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$	$\frac{L_L g_m s (C_1 L_1 R_1 s^2 + L_1 s + R_1)}{(C_L L_L s^2 + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + L_1 s + R_1 g_m s)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ L_L s + R_L + \frac{1}{C_L s}\right)$	$\frac{L_L R_L g_m s (C_1 L_1 R_1 s^2 + L_1 s + R_1)}{(C_L L_L R_L s^2 + L_L s + R_L)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$	$\frac{g_m (C_1 L_1 R_1 s^2 + L_1 s + R_1)(C_L L_L R_L s^2 + L_L s + R_L)}{(C_L L_L s^2 + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + L_1 s + R_1 g_m s)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1,\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$	$\frac{R_L g_m (C_L L_L s^2 + 1)(C_1 L_1 R_1 s^2 + L_1 s + R_1)}{(C_L L_L s^2 + C_L R_L s + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + L_1 g_m s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s}\right)$	$\frac{R_1 g_m (C_1 L_1 s^2 + 1)}{C_L s (C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{R_L}{C_L R_L s + 1}\right)$	$\frac{R_1 R_L g_m (C_1 L_1 s^2 + 1)}{(C_L R_L s + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ R_L + \frac{1}{C_L s}\right)$	$\frac{R_1 g_m (C_1 L_1 s^2 + 1)(C_L R_L s + 1)}{C_L s (C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ L_L s + \frac{1}{C_L s}\right)$	$\frac{R_1 g_m (C_1 L_1 s^2 + 1)(C_L L_L s^2 + 1)}{C_L s (C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$	$\frac{L_L R_1 g_m s (C_1 L_1 s^2 + 1)}{(C_L L_L s^2 + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ L_L s + R_L + \frac{1}{C_L s}\right)$	$\frac{R_1 g_m (C_1 L_1 s^2 + 1)(C_L L_L s^2 + C_L R_L s + 1)}{C_L s (C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$	$\frac{L_L R_1 R_L g_m s (C_1 L_1 s^2 + 1)}{(C_L L_L R_L s^2 + L_L s + R_L)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$	$\frac{R_1 g_m (C_1 L_1 s^2 + 1)(C_L L_L R_L s^2 + L_L s + R_L)}{(C_L L_L s^2 + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE
None	$\left(\frac{R_1\left(L_1 s + \frac{1}{C_1 s}\right)}{L_1 s + R_1 + \frac{1}{C_1 s}},\ \infty,\ \infty,\ \infty,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$	$\frac{R_1 R_L g_m (C_L L_L s^2 + 1)(C_1 L_1 s^2 + 1)}{(C_L L_L R_L s^2 + C_L R_L s + 1)(C_1 L_1 R_1 g_m s^2 + C_1 L_1 s^2 + C_1 R_1 s + R_1 g_m s + 1)}$	No	$INVALID - ORDER$	NONE