Filter Summary Report: TIA,simple,Z2,Z3,Z5

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Contents

1 Examined H(z) for TIA simple Z2 Z3 Z5: $\frac{Z_3(Z_2Z_5g_m-Z_2+Z_5)}{2Z_2Z_3g_m+Z_2Z_5g_m+Z_2+4Z_3+Z_5}$

$$H(z) = \frac{Z_3 \left(Z_2 Z_5 g_m - Z_2 + Z_5 \right)}{2 Z_2 Z_3 g_m + Z_2 Z_5 g_m + Z_2 + 4 Z_3 + Z_5}$$

- 2 HP
- 3 BP
- **3.1** BP-1 $Z(s) = \left(\infty, R_2, \frac{L_3s}{C_3L_3s^2+1}, \infty, R_5, \infty\right)$

$$H(s) = \frac{L_3 s \left(R_2 R_5 g_m - R_2 + R_5\right)}{C_3 L_3 R_2 R_5 g_m s^2 + C_3 L_3 R_2 s^2 + C_3 L_3 R_5 s^2 + 2 L_3 R_2 g_m s + 4 L_3 s + R_2 R_5 g_m + R_2 + R_5}$$

Parameters:

Q:
$$\frac{C_3\sqrt{\frac{1}{C_3L_3}}(R_2R_5g_m+R_2+R_5)}{2(R_2g_m+2)}$$
 wo:
$$\sqrt{\frac{1}{C_3L_3}}$$
 bandwidth:
$$\frac{2(R_2g_m+2)}{C_3(R_2R_5g_m+R_2+R_5)}$$
 K-LP: 0 K-HP: 0 K-BP:
$$\frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)}$$
 Qz: 0 Wz: None

3.2 BP-2 $Z(s) = \left(\infty, R_2, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, R_5, \infty\right)$

$$H(s) = \frac{L_3 R_3 s \left(R_2 R_5 g_m - R_2 + R_5\right)}{C_3 L_3 R_2 R_3 R_5 g_m s^2 + C_3 L_3 R_2 R_3 s^2 + C_3 L_3 R_3 R_5 s^2 + 2 L_3 R_2 R_3 g_m s + L_3 R_2 R_5 g_m s + L_3 R_2 s + 4 L_3 R_3 s + L_3 R_5 s + R_2 R_3 R_5 g_m + R_2 R_3 + R_3 R_5 g_m s + R_3 R_$$

Q:
$$\frac{C_3R_3\sqrt{\frac{1}{C_3L_3}}(R_2R_5g_m+R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}$$
 wo:
$$\sqrt{\frac{1}{C_3L_3}}$$
 bandwidth:
$$\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{C_3R_3(R_2R_5g_m+R_2+R_5)}$$
 K-LP: 0 K-HP: 0 K-BP:
$$\frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}$$
 Qz: 0 Wz: None

- 4 LP
- 5 BS

5.1 BS-1
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(R_2R_5g_m - R_2 + R_5\right)}{2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3R_2R_5g_ms + C_3R_2s + C_3R_5s + 2R_2g_m + 4}$$

Q:
$$\frac{2L_3\sqrt{\frac{1}{C_3L_3}}(R_2g_m+2)}{R_2R_5g_m+R_2+R_5}$$
 wo:
$$\sqrt{\frac{1}{C_3L_3}}$$
 bandwidth:
$$\frac{R_2R_5g_m+R_2+R_5}{2L_3(R_2g_m+2)}$$
 K-LP:
$$\frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)}$$
 K-HP:
$$\frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)}$$
 K-BP: 0 Qz: None Wz:
$$\sqrt{\frac{1}{C_3L_3}}$$

5.2 BS-2
$$Z(s) = \left(\infty, R_2, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(R_2 R_5 g_m - R_2 + R_5\right)}{2 C_3 L_3 R_2 R_3 g_m s^2 + C_3 L_3 R_2 s^2 + 4 C_3 L_3 R_3 s^2 + C_3 L_3 R_5 s^2 + C_3 R_2 R_3 R_5 g_m s + C_3 R_2 R_3 s + C_3 R_3 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5 R_5 g_m s^2 + C_3 R_3 R_5 g_m s^2 + C_3 R_$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{L_3\sqrt{\frac{1}{C_3L_3}}(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)}{R_3(R_2R_5g_m + R_2 + R_5)} \\ \text{wo:} \ \sqrt{\frac{1}{C_3L_3}} \\ \text{bandwidth:} \ \frac{R_3(R_2R_5g_m + R_2 + R_5)}{L_3(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)} \\ \text{K-LP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-HP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-BP:} \ 0 \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \sqrt{\frac{1}{C_3L_3}} \end{array}$$

6 GE

6.1 GE-1
$$Z(s) = \left(\infty, R_2, R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 - C_5 R_2 s + R_2 g_m + 1 \right)}{C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

$$\begin{aligned} &\text{Q: } \frac{L_5\sqrt{\frac{1}{C_5L_5}}(R_2g_m+1)}{2R_2R_3g_m+R_2+4R_3} \\ &\text{wo: } \sqrt{\frac{1}{C_5L_5}} \\ &\text{bandwidth: } \frac{2R_2R_3g_m+R_2+4R_3}{L_5(R_2g_m+1)} \\ &\text{K-LP: } R_3 \\ &\text{K-HP: } R_3 \\ &\text{K-BP: } -\frac{R_2R_3}{2R_2R_3g_m+R_2+4R_3} \\ &\text{Qz: } \frac{L_5\sqrt{\frac{1}{C_5L_5}}(-R_2g_m-1)}{R_2} \\ &\text{Wz: } \sqrt{\frac{1}{C_5L_5}} \end{aligned}$$

6.2 GE-2
$$Z(s) = \left(\infty, R_2, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_5 L_5 R_2 s^2 + L_5 R_2 g_m s + L_5 s - R_2 \right)}{2 C_5 L_5 R_2 R_3 g_m s^2 + C_5 L_5 R_2 s^2 + 4 C_5 L_5 R_3 s^2 + L_5 R_2 g_m s + L_5 s + 2 R_2 R_3 g_m + R_2 + 4 R_3}$$

$$\begin{array}{l} \text{Q:} \ \frac{C_5\sqrt{\frac{1}{C_5L_5}}(2R_2R_3g_m + R_2 + 4R_3)}{R_2g_m + 1} \\ \text{wo:} \ \sqrt{\frac{1}{C_5L_5}} \\ \text{bandwidth:} \ \frac{R_2g_m + 1}{C_5(2R_2R_3g_m + R_2 + 4R_3)} \\ \text{K-LP:} \ -\frac{R_2R_3}{2R_2R_3g_m + R_2 + 4R_3} \\ \text{K-HP:} \ -\frac{R_2R_3}{2R_2R_3g_m + R_2 + 4R_3} \\ \text{K-BP:} \ R_3 \\ \text{Qz:} \ -\frac{C_5R_2\sqrt{\frac{1}{C_5L_5}}}{R_2g_m + 1} \\ \text{Wz:} \ \sqrt{\frac{1}{C_5L_5}} \end{array}$$

6.3 GE-3 $Z(s) = \left(\infty, R_2, R_3, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1 \right)}{C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 R_5 g_m s + C_5 R_2 s + 4 C_5 R_3 s + C_5 R_5 s + R_2 g_m + 1}$$

Parameters:

Q:
$$\frac{L_5\sqrt{\frac{1}{C_5L_5}}(R_2g_m+1)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}$$
 wo:
$$\sqrt{\frac{1}{C_5L_5}}$$
 bandwidth:
$$\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{L_5(R_2g_m+1)}$$
 K-LP: R_3 K-HP: R_3 K-BP:
$$\frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}$$
 Qz:
$$\frac{L_5\sqrt{\frac{1}{C_5L_5}}(R_2g_m+1)}{R_2R_5g_m-R_2+R_5}$$
 Wz:
$$\sqrt{\frac{1}{C_5L_5}}$$

6.4 GE-4
$$Z(s) = \left(\infty, R_2, R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_5 L_5 R_2 R_5 s^2 + L_5 R_2 R_5 g_m s - L_5 R_2 s + L_5 R_5 s - R_2 R_5\right)}{2 C_5 L_5 R_2 R_3 R_5 g_m s^2 + C_5 L_5 R_2 R_5 s^2 + 4 C_5 L_5 R_3 R_5 s^2 + 2 L_5 R_2 R_3 g_m s + L_5 R_2 R_5 g_m s + L_5 R_2 s + 4 L_5 R_3 s + L_5 R_5 s + 2 R_2 R_3 R_5 g_m + R_2 R_5 + 4 R_3 R_5}$$

$$\begin{aligned} & \text{Q: } \frac{C_5R_5\sqrt{\frac{1}{C_5L_5}}(2R_2R_3g_m + R_2 + 4R_3)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ & \text{wo: } \sqrt{\frac{1}{C_5L_5}} \\ & \text{bandwidth: } \frac{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5}{C_5R_5(2R_2R_3g_m + R_2 + 4R_3)} \\ & \text{K-LP: } -\frac{2R_2R_3g_m + R_2 + 4R_3}{R_2R_3g_m + R_2 + 4R_3} \\ & \text{K-HP: } -\frac{R_2R_3}{2R_2R_3g_m + R_2 + 4R_3} \\ & \text{K-BP: } \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ & \text{Qz: } -\frac{C_5R_2R_5\sqrt{\frac{1}{C_5L_5}}}{R_2R_5g_m - R_2 + R_5} \\ & \text{Wz: } \sqrt{\frac{1}{C_5L_5}} \end{aligned}$$

6.5 GE-5
$$Z(s) = \left(\infty, R_2, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_5 s^2 + L_5 R_2 g_m s + L_5 s + R_2 R_5 g_m - R_2 + R_5\right)}{2 C_5 L_5 R_2 R_3 g_m s^2 + C_5 L_5 R_2 g_m s^2 + C_5 L_5 R_2 s^2 + 4 C_5 L_5 R_3 s^2 + C_5 L_5 R_5 s^2 + L_5 R_2 g_m s + L_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

$$\begin{array}{l} \text{Q:} \ \frac{C_5\sqrt{\frac{1}{C_5L_5}}(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)}{R_2g_m + 1} \\ \text{wo:} \ \sqrt{\frac{1}{C_5L_5}} \\ \text{bandwidth:} \ \frac{R_2g_m + 1}{C_5(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)} \\ \text{K-LP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-HP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-BP:} \ R_3 \\ \text{Qz:} \ \frac{C_5\sqrt{\frac{1}{C_5L_5}}(R_2R_5g_m - R_2 + R_5)}{R_2g_m + 1} \\ \text{Wz:} \ \sqrt{\frac{1}{C_5L_5}} \end{array}$$

6.6 GE-6
$$Z(s) = \left(\infty, R_2, R_3, \infty, \frac{R_5(C_5L_5s^2+1)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{L_5\sqrt{\frac{1}{C_5L_5}}(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)}{R_5(2R_2R_3g_m + R_2 + 4R_3)} \\ \text{wo:} \ \sqrt{\frac{1}{C_5L_5}} \\ \text{bandwidth:} \ \frac{R_5(2R_2R_3g_m + R_2 + 4R_3)}{L_5(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)} \\ \text{K-LP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-HP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-BP:} \ -\frac{R_2R_3}{2R_2R_3g_m + R_2 + 4R_3} \\ \text{Qz:} \ \frac{L_5\sqrt{\frac{1}{C_5L_5}}(-R_2R_5g_m + R_2 - R_5)}{R_2R_5} \\ \text{Wz:} \ \sqrt{\frac{1}{C_5L_5}} \end{array}$$

6.7 GE-7
$$Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(R_2R_5g_m - R_2 + R_5\right)}{2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + 2C_3R_2R_3g_ms + C_3R_2R_5g_ms + C_3R_2s + 4C_3R_3s + C_3R_5s + 2R_2g_m + 4C_3R_3s + C_3R_3s + C_3R$$

Q:
$$\frac{2L_3\sqrt{\frac{1}{C_3L_3}}(R_2g_m+2)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}$$
 wo:
$$\sqrt{\frac{1}{C_3L_3}}$$
 bandwidth:
$$\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{2L_3(R_2g_m+2)}$$
 K-LP:
$$\frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)}$$
 K-HP:
$$\frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)}$$
 K-BP:
$$\frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}$$
 Qz:
$$\frac{L_3\sqrt{\frac{1}{C_3L_3}}}{R_3}$$
 Wz:
$$\sqrt{\frac{1}{C_3L_3}}$$

6.8 GE-8
$$Z(s) = \left(\infty, R_2, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5, \infty\right)$$

$$H(s) = \frac{\left(R_2 R_5 g_m - R_2 + R_5\right) \left(C_3 L_3 R_3 s^2 + L_3 s + R_3\right)}{2 C_3 L_3 R_2 R_3 g_m s^2 + C_3 L_3 R_2 R_5 g_m s^2 + C_3 L_3 R_2 s^2 + 4 C_3 L_3 R_3 s^2 + C_3 L_3 R_5 s^2 + 2 L_3 R_2 g_m s + 4 L_3 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

$$\begin{array}{l} \text{Q:} \ \frac{C_3\sqrt{\frac{1}{C_3L_3}}(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)}{2(R_2g_m + 2)} \\ \text{wo:} \ \sqrt{\frac{1}{C_3L_3}} \\ \text{bandwidth:} \ \frac{2(R_2g_m + 2)}{C_3(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)} \\ \text{K-LP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-HP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{K-BP:} \ \frac{R_2R_5g_m - R_2 + R_5}{2(R_2g_m + 2)} \\ \text{Qz:} \ C_3R_3\sqrt{\frac{1}{C_3L_3}} \\ \text{Wz:} \ \sqrt{\frac{1}{C_3L_3}} \\ \end{array}$$

6.9 GE-9
$$Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s + R_5 g_m - 1 \right)}{2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 s^2 + 4 C_2 R_3 s + C_2 R_5 s + 2 R_3 g_m + R_5 g_m + 1}$$

Parameters:

$$\begin{array}{l} \text{Q:} & \frac{L_2\sqrt{\frac{1}{C_2L_2}}(2R_3g_m + R_5g_m + 1)}{4R_3 + R_5} \\ \text{wo:} & \sqrt{\frac{1}{C_2L_2}} \\ \text{bandwidth:} & \frac{4R_3 + R_5}{L_2(2R_3g_m + R_5g_m + 1)} \\ \text{K-LP:} & \frac{R_3(R_5g_m - 1)}{2R_3g_m + R_5g_m + 1} \\ \text{K-HP:} & \frac{R_3(R_5g_m - 1)}{2R_3g_m + R_5g_m + 1} \\ \text{K-BP:} & \frac{R_3R_5}{4R_3 + R_5} \\ \text{Qz:} & \frac{L_2\sqrt{\frac{1}{C_2L_2}}(R_5g_m - 1)}{R_5} \\ \text{Wz:} & \sqrt{\frac{1}{C_2L_2}} \end{array}$$

6.10 GE-10
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s + R_5 g_m - 1 \right)}{2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 s^2 + 2 C_2 R_2 R_3 g_m s + C_2 R_2 R_5 g_m s + C_2 R_2 s + 4 C_2 R_3 s + C_2 R_5 s + 2 R_3 g_m + R_5 g_m + 1}$$

$$\begin{array}{l} \text{Q:} \ \frac{L_2\sqrt{\frac{1}{C_2L_2}}(2R_3g_m + R_5g_m + 1)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{wo:} \ \sqrt{\frac{1}{C_2L_2}} \\ \text{bandwidth:} \ \frac{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5}{L_2(2R_3g_m + R_5g_m + 1)} \\ \text{K-LP:} \ \frac{R_3(R_5g_m - 1)}{2R_3g_m + R_5g_m + 1} \\ \text{K-HP:} \ \frac{R_3(R_5g_m - 1)}{2R_3g_m + R_5g_m + 1} \\ \text{K-BP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ \text{Qz:} \ \frac{L_2\sqrt{\frac{1}{C_2L_2}}(R_5g_m - 1)}{R_2R_5g_m - R_2 + R_5} \\ \text{Wz:} \ \sqrt{\frac{1}{C_2L_2}} \end{array}$$

6.11 GE-11
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ R_5, \ \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 L_2 R_2 R_5 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + L_2 R_5 g_m s - L_2 s + R_2 R_5 g_m - R_2 + R_5\right)}{2 C_2 L_2 R_2 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 R_2 s^2 + 4 C_2 L_2 R_3 s^2 + C_2 L_2 R_5 s^2 + 2 L_2 R_3 g_m s + L_2 R_5 g_m s + L_2 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

$$\begin{aligned} & \text{Q:} \ \frac{C_2\sqrt{\frac{1}{C_2L_2}}(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)}{2R_3g_m + R_5g_m + 1} \\ & \text{wo:} \ \sqrt{\frac{1}{C_2L_2}} \\ & \text{bandwidth:} \ \frac{2R_3g_m + R_5g_m + 1}{C_2(2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5)} \\ & \text{K-LP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ & \text{K-HP:} \ \frac{R_3(R_2R_5g_m - R_2 + R_5)}{2R_2R_3g_m + R_2R_5g_m + R_2 + 4R_3 + R_5} \\ & \text{K-BP:} \ \frac{R_3(R_5g_m - 1)}{2R_3g_m + R_5g_m + 1} \\ & \text{Qz:} \ \frac{C_2\sqrt{\frac{1}{C_2L_2}}(R_2R_5g_m - R_2 + R_5)}{R_5g_m - 1} \\ & \text{Wz:} \ \sqrt{\frac{1}{C_2L_2}} \end{aligned}$$

6.12 GE-12
$$Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 L_2 R_2 R_5 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5\right)}{2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 R_2 s^2 + 4 C_2 L_2 R_3 s^2 + C_2 L_2 R_5 s^2 + 4 C_2 R_2 R_3 s + C_2 R_2 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \ \frac{L_2\sqrt{\frac{1}{C_2L_2}}(2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5)}{R_2(4R_3+R_5)} \\ \text{wo:} \ \ \sqrt{\frac{1}{C_2L_2}} \\ \text{bandwidth:} \ \ \frac{R_2(4R_3+R_5)}{L_2(2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5)} \\ \text{K-LP:} \ \ \frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5} \\ \text{K-HP:} \ \ \frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5} \\ \text{K-BP:} \ \ \frac{R_3R_5}{4R_3+R_5} \\ \text{C2:} \ \ \frac{L_2\sqrt{\frac{1}{C_2L_2}}(R_2R_5g_m-R_2+R_5)}{R_2R_5} \\ \text{Wz:} \ \ \sqrt{\frac{1}{C_2L_2}} \end{array}$$

7 AP

8 INVALID-NUMER

8.1 INVALID-NUMER-1 $Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{-C_5R_2R_5s + R_2R_5g_m - R_2 + R_5}{C_3C_5R_2R_5s^2 + C_3R_2R_5g_ms + C_3R_2s + C_3R_5s + 2C_5R_2R_5g_ms + 4C_5R_5s + 2R_2g_m + 4}$$

Q:
$$\frac{\sqrt{2}C_{3}C_{5}R_{2}R_{5}\sqrt{\frac{R_{2}g_{m}+2}{C_{3}C_{5}R_{2}R_{5}}}}{C_{3}R_{2}R_{5}g_{m}+C_{3}R_{2}+C_{3}R_{5}+2C_{5}R_{2}R_{5}g_{m}+4C_{5}R_{5}}$$
 wo:
$$\sqrt{2}\sqrt{\frac{R_{2}g_{m}+2}{C_{3}C_{5}R_{2}R_{5}}}$$
 bandwidth:
$$\frac{C_{3}R_{2}R_{5}g_{m}+C_{3}R_{2}+C_{3}R_{5}+2C_{5}R_{2}R_{5}g_{m}+4C_{5}R_{5}}{C_{3}C_{5}R_{2}R_{5}}$$
 K-LP:
$$\frac{R_{2}R_{5}g_{m}-R_{2}+R_{5}}{2(R_{2}g_{m}+2)}$$
 K-HP:
$$0$$
 K-BP:
$$-\frac{C_{5}R_{2}R_{5}}{C_{3}R_{2}R_{5}g_{m}+C_{3}R_{2}+C_{3}R_{5}+2C_{5}R_{2}R_{5}g_{m}+4C_{5}R_{5}}}{C_{3}C_{5}R_{2}R_{5}g_{m}+4C_{5}R_{5}}$$

8.2 INVALID-NUMER-2 $Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_5 R_2 s + R_2 g_m + 1 \right)}{C_3 C_5 R_2 R_3 s^2 + C_3 R_2 R_3 g_m s + C_3 R_3 s + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

Parameters:

Q: $\frac{C_3C_5R_2R_3\sqrt{\frac{R_2g_m+1}{C_3C_5R_2R_3}}}{C_3R_2R_3g_m+C_3R_3+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}$ wo: $\sqrt{\frac{R_2g_m+1}{C_3C_5R_2R_3}}$ bandwidth: $\frac{C_3R_2R_3g_m+C_3R_3+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}{C_3C_5R_2R_3}$ K-LP: R_3 K-HP: 0
K-BP: $-\frac{C_5R_2R_3}{C_3R_2R_3g_m+C_3R_3+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}$ Qz: 0
Wz: None

8.3 INVALID-NUMER-3 $Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_5 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5\right)}{C_3 C_5 R_2 R_3 R_5 s^2 + C_3 R_2 R_3 R_5 g_m s + C_3 R_2 R_3 R_5 s + 2 C_5 R_2 R_3 R_5 g_m s + C_5 R_2 R_5 s + 4 C_5 R_3 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

Parameters:

Q: $\frac{C_3C_5R_2R_3R_5\sqrt{\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{C_3C_5R_2R_3R_5}}}{C_3R_2R_3R_5g_m+C_3R_2R_3+C_3R_3R_5+2C_5R_2R_3R_5g_m+C_5R_2R_5+4C_5R_3R_5}}$ wo: $\sqrt{\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{C_3C_5R_2R_3R_5}}}$ bandwidth: $\frac{C_3R_2R_3R_5g_m+C_3R_2R_3+C_3R_3R_5+2C_5R_2R_3R_5g_m+C_5R_2R_5+4C_5R_3R_5}{C_3C_5R_2R_3R_5}}{C_3C_5R_2R_3R_5}$ K-LP: $\frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}}$ K-HP: 0 K-BP: $-\frac{C_5R_2R_3R_5}{C_3R_2R_3R_5g_m+C_3R_2R_3+C_3R_3R_5}$ Qz: 0 Wz: None

8.4 INVALID-NUMER-4 $Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1\right)}{C_3 C_5 R_2 R_3 R_5 g_m s^2 + C_3 C_5 R_2 R_3 s^2 + C_3 C_5 R_3 R_5 s^2 + C_3 R_2 R_3 g_m s + C_3 R_3 s + C_5 R_2 R_3 g_m s + C_5 R_2 R_5 g_m s + C_5 R_2 s + 4 C_5 R_3 s + C_5 R_5 s + R_2 g_m + 1}$$

8.5 INVALID-NUMER-5 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 (C_2 s - C_5 s + g_m)}{4C_2 C_5 R_3 s^2 + C_2 s + 2C_5 R_3 g_m s + C_5 s + g_m}$$

Parameters:

Q: $\frac{2C_2C_5R_3\sqrt{\frac{g_m}{C_2C_5R_3}}}{C_2+2C_5R_3g_m+C_5}$ wo: $\frac{\sqrt{\frac{g_m}{C_2C_5R_3}}}{2}$ bandwidth: $\frac{C_2+2C_5R_3g_m+C_5}{4C_2C_5R_3}$ K-LP: R_3 K-HP: 0 K-BP: $\frac{R_3(C_2-C_5)}{C_2+2C_5R_3g_m+C_5}$ Qz: 0 Wz: None

8.6 INVALID-NUMER-6 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)}{4 C_2 C_5 R_3 R_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + 2 C_5 R_3 R_5 g_m s + C_5 R_5 s + 2 R_3 g_m + R_5 g_m + 1}$$

Parameters:

 $\begin{array}{l} \text{Q:} \ \frac{2C_2C_5R_3R_5\sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_5R_3R_5}}}{4C_2R_3+C_2R_5+2C_5R_3R_5g_m+C_5R_5} \\ \text{wo:} \ \frac{\sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_5R_3R_5}}}{\frac{2C_2C_5R_3R_5}{C_2C_5R_3R_5}} \\ \text{bandwidth:} \ \frac{4C_2R_3+C_2R_5+2C_5R_3R_5g_m+C_5R_5}{4C_2C_5R_3R_5} \\ \text{K-LP:} \ \frac{R_3(R_5g_m-1)}{2R_3g_m+R_5g_m+1} \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{R_3R_5(C_2-C_5)}{4C_2R_3+C_2R_5+2C_5R_3R_5g_m+C_5R_5} \\ \text{Qz:} \ 0 \\ \text{Wz:} \ \text{None} \end{array}$

8.7 INVALID-NUMER-7 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{C_2 R_5 s + R_5 g_m - 1}{C_2 C_3 R_5 s^2 + 4 C_2 s + C_3 R_5 g_m s + C_3 s + 2 g_m}$$

Parameters:

 $\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_2C_3R_5\sqrt{\frac{g_m}{C_2C_3R_5}}}{4C_2+C_3R_5g_m+C_3}\\ \text{wo:} \ \sqrt{2}\sqrt{\frac{g_m}{C_2C_3R_5}}\\ \text{bandwidth:} \ \frac{4C_2+C_3R_5g_m+C_3}{C_2C_3R_5}\\ \text{K-LP:} \ \frac{R_5g_m-1}{2g_m}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{C_2R_5}{4C_2+C_3R_5g_m+C_3}\\ \text{Qz:} \ 0\\ \text{Wz:} \ \text{None} \end{array}$

8.8 INVALID-NUMER-8 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{C_2R_5s - C_5R_5s + R_5g_m - 1}{C_2C_3R_5s^2 + 4C_2C_5R_5s^2 + 4C_2s + C_3C_5R_5s^2 + C_3R_5g_ms + C_3s + 2C_5R_5g_ms + 2g_m}$$

$$\text{Q: } \frac{\sqrt{2}R_5\sqrt{\frac{g_m}{R_5(C_2C_3+4C_2C_5+C_3C_5)}}(C_2C_3+4C_2C_5+C_3C_5)}{4C_2+C_3R_5g_m+C_3+2C_5R_5g_m}$$

```
wo: \sqrt{2}\sqrt{\frac{g_m}{R_5(C_2C_3+4C_2C_5+C_3C_5)}}
bandwidth: \frac{4C_2+C_3R_5g_m+C_3+2C_5R_5g_m}{R_5(C_2C_3+4C_2C_5+C_3C_5)}
K-LP: \frac{R_5 g_m - 1}{2g_m}
K-HP: 0
```

K-HP: 0 K-BP: $\frac{R_5(C_2 - C_5)}{4C_2 + C_3R_5g_m + C_3 + 2C_5R_5g_m}$

Qz: 0 Wz: None

8.9 INVALID-NUMER-9 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 R_3 R_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + C_3 R_3 R_5 g_m s + C_3 R_3 s + 2 R_3 g_m + R_5 g_m + 1}$$

Parameters:

Q: $\frac{C_2C_3R_3R_5\sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_3R_3R_5}}}{4C_2R_3+C_2R_5+C_3R_3R_5g_m+C_3R_3}$ wo: $\sqrt{\frac{2R_3g_m + R_5g_m + 1}{C_2C_3R_3R_5}}$

bandwidth: $\frac{4C_2R_3 + C_2R_5 + C_3R_3R_5g_m + C_3R_3}{C_2C_3R_3R_5}$

K-LP: $\frac{R_3(R_5g_m-1)}{2R_3g_m+R_5g_m+1}$ K-HP: 0

K-BP: $\frac{C_2R_3R_5}{4C_2R_3 + C_2R_5 + C_3R_3R_5g_m + C_3R_3}$

Qz: 0 Wz: None

8.10 INVALID-NUMER-10 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 s - C_5 s + g_m \right)}{C_2 C_3 R_3 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 s + C_3 C_5 R_3 s^2 + C_3 R_3 g_m s + 2 C_5 R_3 g_m s + C_5 s + g_m}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{R_3\sqrt{\frac{g_m}{R_3(C_2C_3+4C_2C_5+C_3C_5)}}(C_2C_3+4C_2C_5+C_3C_5)}{C_2+C_3R_3g_m+2C_5R_3g_m+C_5} \\ \text{wo:} \ \sqrt{\frac{g_m}{R_3(C_2C_3+4C_2C_5+C_3C_5)}} \\ \text{bandwidth:} \ \frac{C_2+C_3R_3g_m+2C_5R_3g_m+C_5}{R_3(C_2C_3+4C_2C_5+C_3C_5)} \\ \text{K-LP:} \ R_3 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{R_3(C_2-C_5)}{C_2+C_3R_3g_m+2C_5R_3g_m+C_5} \\ \text{Qz:} \ 0 \\ \text{Wz:} \ \text{None} \end{array}$$

8.11 INVALID-NUMER-11 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 R_3 R_5 s^2 + 4 C_2 C_5 R_3 R_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + C_3 C_5 R_3 R_5 s^2 + C_3 R_3 R_5 g_m s + C_3 R_3 s + 2 C_5 R_3 R_5 g_m s + C_5 R_5 s + 2 R_3 g_m + R_5 g_m + 1}$$

$$\begin{array}{l} \text{Q:} \ \, \frac{R_3R_5\sqrt{\frac{2R_3g_m+R_5g_m+1}{R_3R_5(C_2C_3+4C_2C_5+C_3C_5)}}(C_2C_3+4C_2C_5+C_3C_5)}{4C_2R_3+C_2R_5+C_3R_3R_5g_m+C_3R_3+2C_5R_3R_5g_m+C_5R_5}\\ \text{wo:} \ \, \sqrt{\frac{2R_3g_m+R_5g_m+1}{R_3R_5(C_2C_3+4C_2C_5+C_3C_5)}}\\ \text{bandwidth:} \ \, \frac{4C_2R_3+C_2R_5+C_3R_3R_5g_m+C_3R_3+2C_5R_3R_5g_m+C_5R_5}{R_3R_5(C_2C_3+4C_2C_5+C_3C_5)}\\ \text{K-LP:} \ \, \frac{R_3(R_5g_m-1)}{2R_3g_m+R_5g_m+1}\\ \text{K-HP:} \ \, 0\\ \text{K-BP:} \ \, \frac{R_3R_5(C_2-C_5)}{4C_2R_3+C_2R_5+C_3R_3R_5g_m+C_3R_3+2C_5R_3R_5g_m+C_5R_5}\\ \text{Qz:} \ \, 0\\ \text{Wz:} \ \, \text{None} \end{array}$$

8.12 INVALID-NUMER-12 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_2 s - C_5 R_2 s + R_2 g_m + 1 \right)}{4 C_2 C_5 R_2 R_3 s^2 + C_2 R_2 s + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

Parameters:

 $\begin{array}{l} \text{Q:} \ \frac{2C_2C_5R_2R_3\sqrt{\frac{R_2g_m+1}{C_2C_5R_2R_3}}}{C_2R_2+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}\\ \text{wo:} \ \frac{\sqrt{\frac{R_2g_m+1}{C_2C_5R_2R_3}}}{2}\\ \text{bandwidth:} \ \frac{C_2R_2+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}{4C_2C_5R_2R_3}\\ \text{K-LP:} \ R_3\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{R_2R_3(C_2-C_5)}{C_2R_2+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}\\ \text{Qz:} \ 0\\ \text{Wz:} \ \text{None} \end{array}$

8.13 INVALID-NUMER-13 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

Parameters:

8.14 INVALID-NUMER-14 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{C_2 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5}{C_2 C_3 R_2 R_5 s^2 + 4 C_2 R_2 s + C_3 R_2 R_5 g_m s + C_3 R_2 s + C_3 R_5 s + 2 R_2 g_m + 4}$$

Parameters:

Q: $\frac{\sqrt{2}C_{2}C_{3}R_{2}R_{5}\sqrt{\frac{R_{2}g_{m}+2}{C_{2}C_{3}R_{2}R_{5}}}}{4C_{2}R_{2}+C_{3}R_{2}R_{5}g_{m}+C_{3}R_{2}+C_{3}R_{5}}$ wo: $\sqrt{2}\sqrt{\frac{R_{2}g_{m}+2}{C_{2}C_{3}R_{2}R_{5}}}$ bandwidth: $\frac{4C_{2}R_{2}+C_{3}R_{2}R_{5}g_{m}+C_{3}R_{2}+C_{3}R_{5}}{C_{2}C_{3}R_{2}R_{5}}$ K-LP: $\frac{R_{2}R_{5}g_{m}-R_{2}+R_{5}}{2(R_{2}g_{m}+2)}$ K-HP: 0 K-BP: $\frac{C_{2}R_{2}R_{5}}{4C_{2}R_{2}+C_{3}R_{2}R_{5}g_{m}+C_{3}R_{2}+C_{3}R_{5}}$ Qz: 0 Wz: None

8.15 INVALID-NUMER-15 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{C_2R_2R_5s - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5}{C_2C_3R_2R_5s^2 + 4C_2C_5R_2R_5s^2 + 4C_2R_2s + C_3C_5R_2R_5s^2 + C_3R_2R_5g_ms + C_3R_2s + C_3R_5s + 2C_5R_2R_5g_ms + 4C_5R_5s + 2R_2g_m +$$

$$\mathbf{Q} \colon \frac{\sqrt{2}R_2R_5\sqrt{\frac{R_2g_m+2}{R_2R_5(C_2C_3+4C_2C_5+C_3C_5)}}(C_2C_3+4C_2C_5+C_3C_5)}{4C_2R_2+C_3R_2R_5g_m+C_3R_2+C_3R_5+2C_5R_2R_5g_m+4C_5R_5}$$

```
wo: \sqrt{2}\sqrt{\frac{R_2g_m+2}{R_2R_5(C_2C_3+4C_2C_5+C_3C_5)}} bandwidth: \frac{4C_2R_2+C_3R_2R_5g_m+C_3R_2+C_3R_5+2C_5R_2R_5g_m+4C_5R_5}{R_2R_5(C_2C_3+4C_2C_5+C_3C_5)} K-LP: \frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)} K-HP: 0 K-BP: \frac{R_2R_5(C_2-C_5)}{4C_2R_2+C_3R_2R_5g_m+C_3R_2+C_3R_5+2C_5R_2R_5g_m+4C_5R_5} Qz: 0 Wz: None
```

8.16 INVALID-NUMER-16 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, R_5, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5\right)}{C_2 C_3 R_2 R_3 R_5 s^2 + 4 C_2 R_2 R_3 s + C_2 R_2 R_5 s + C_3 R_2 R_3 R_5 g_m s + C_3 R_2 R_3 s + C_3 R_3 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

Parameters:

8.17 INVALID-NUMER-17 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_2 s - C_5 R_2 s + R_2 g_m + 1\right)}{C_2 C_3 R_2 R_3 s^2 + 4 C_2 C_5 R_2 R_3 s^2 + C_2 R_2 s + C_3 C_5 R_2 R_3 s^2 + C_3 R_2 R_3 g_m s + C_3 R_3 s + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{R_2R_3\sqrt{\frac{R_2g_m+1}{R_2R_3(C_2C_3+4C_2C_5+C_3C_5)}}(C_2C_3+4C_2C_5+C_3C_5)}{C_2R_2+C_3R_2R_3g_m+C_3R_3+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}\\ \text{wo:} \ \sqrt{\frac{R_2g_m+1}{R_2R_3(C_2C_3+4C_2C_5+C_3C_5)}}\\ \text{bandwidth:} \ \frac{C_2R_2+C_3R_2R_3g_m+C_3R_3+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}{R_2R_3(C_2C_3+4C_2C_5+C_3C_5)}\\ \text{K-LP:} \ R_3\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{R_2R_3(C_2-C_5)}{C_2R_2+C_3R_2R_3g_m+C_3R_3+2C_5R_2R_3g_m+C_5R_2+4C_5R_3}\\ \text{Qz:} \ 0\\ \text{Wz:} \ \text{None} \end{array}$$

8.18 INVALID-NUMER-18 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_2 R_5 s - C_5 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5\right)}{C_2 C_3 R_2 R_3 R_5 s^2 + 4 C_2 C_5 R_2 R_3 R_5 s^2 + 4 C_2 R_2 R_3 s + C_3 C_5 R_2 R_3 R_5 s^2 + C_3 R_2 R_3 R_5 g_m s + C_3 R_2 R_3 s + C_3 R_3 R_5 s + 2 C_5 R_2 R_3 R_5 g_m s + C_5 R_2 R_5 s + 4 C_5 R_3 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

Q:
$$\frac{R_2R_3R_5\sqrt{\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{R_2R_3R_5(C_2C_3+4C_2C_5+C_3C_5)}}(C_2C_3+4C_2C_5+C_3C_5)}{4C_2R_2R_3+C_2R_2R_5+C_3R_2R_3R_5g_m+C_3R_2R_3+C_3R_3R_5+2C_5R_2R_3R_5g_m+C_5R_2R_5+4C_5R_3R_5}$$
 wo:
$$\sqrt{\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{R_2R_3R_5(C_2C_3+4C_2C_5+C_3C_5)}}$$
 bandwidth:
$$\frac{4C_2R_2R_3+C_2R_2R_5+C_3R_2R_3R_5g_m+C_3R_2R_3+C_3R_3R_5+2C_5R_2R_3R_5g_m+C_5R_2R_5+4C_5R_3R_5}{R_2R_3R_5(C_2C_3+4C_2C_5+C_3C_5)}$$
 K-LP:
$$\frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}$$
 K-HP: 0
 K-BP:
$$\frac{R_2R_3R_5(C_2-C_5)}{4C_2R_2R_3+C_2R_2R_5+C_3R_2R_3R_5g_m+C_3R_2R_3+C_3R_3R_5+2C_5R_2R_3R_5g_m+C_5R_2R_5+4C_5R_3R_5}{R_2R_3R_5(C_2-C_5)}$$
 Qz: 0
Wz: None

8.19 INVALID-NUMER-19 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + R_5g_m - 1}{C_2C_3R_2R_5g_ms^2 + C_2C_3R_2s^2 + C_2C_3R_5s^2 + 2C_2R_2g_ms + 4C_2s + C_3R_5g_ms + C_3s + 2g_m}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_2C_3\sqrt{\frac{g_m}{C_2C_3(R_2R_5g_m+R_2+R_5)}}(R_2R_5g_m+R_2+R_5)}{2C_2R_2g_m+4C_2+C_3R_5g_m+C_3}\\ \text{wo:} \ \sqrt{2}\sqrt{\frac{g_m}{C_2C_3(R_2R_5g_m+R_2+R_5)}}\\ \text{bandwidth:} \ \frac{2C_2R_2g_m+4C_2+C_3R_5g_m+C_3}{C_2C_3(R_2R_5g_m+R_2+R_5)}\\ \text{K-LP:} \ \frac{R_5g_m-1}{2g_m}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{C_2(R_2R_5g_m-R_2+R_5)}{2C_2R_2g_m+4C_2+C_3R_5g_m+C_3}\\ \text{Qz:} \ 0\\ \text{Wz:} \ \text{None} \end{array}$$

8.20 INVALID-NUMER-20 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 R_2 R_3 R_5 g_m s^2 + C_2 C_3 R_2 R_3 s^2 + C_2 C_3 R_3 R_5 s^2 + 2 C_2 R_2 R_3 g_m s + C_2 R_2 R_5 g_m s + C_2 R_2 s + 4 C_2 R_3 s + C_2 R_5 s + C_3 R_3 R_5 g_m s + C_3 R_3 s + 2 R_3 g_m + R_5 g_m + 1}$$

Parameters:

```
Q: \frac{C_2C_3R_3\sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_3R_3(R_2R_5g_m+R_2+R_5)}}(R_2R_5g_m+R_2+R_5)}{2C_2R_2R_3g_m+C_2R_2R_5g_m+C_2R_2+4C_2R_3+C_2R_5+C_3R_3R_5g_m+C_3R_3} wo: \sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_3R_3(R_2R_5g_m+R_2+R_5)}} bandwidth: \frac{2C_2R_2R_3g_m+C_2R_2R_5g_m+C_2R_2+4C_2R_3+C_2R_5+C_3R_3R_5g_m+C_3R_3}{C_2C_3R_3(R_2R_5g_m+R_2+R_5)} K-LP: \frac{R_3(R_5g_m-1)}{2R_3g_m+R_5g_m+1} K-HP: 0 K-BP: \frac{C_2R_3(R_2R_5g_m-R_2+R_5)}{2C_2R_2R_3g_m+C_2R_2R_5g_m+C_2R_2+R_5+C_3R_3R_5g_m+C_3R_3} Qz: 0 Wz: None
```

9 INVALID-WZ

9.1 INVALID-WZ-1 $Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = -\frac{\left(C_{3}R_{3}s+1\right)\left(C_{5}R_{2}R_{5}s-R_{2}R_{5}g_{m}+R_{2}-R_{5}\right)}{2C_{3}C_{5}R_{2}R_{3}R_{5}g_{m}s^{2}+C_{3}C_{5}R_{2}R_{5}s^{2}+4C_{3}C_{5}R_{3}R_{5}s^{2}+2C_{3}R_{2}R_{3}g_{m}s+C_{3}R_{2}R_{5}g_{m}s+C_{3}R_{2}s+4C_{3}R_{3}s+C_{3}R_{5}s+2C_{5}R_{2}R_{5}g_{m}s+4C_{5}R_{5}s+2R_{2}g_{m}+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4C_{5}R_{5}s+2R_{5}g_{m}s+4R_{5$$

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_3C_5R_5\sqrt{\frac{R_2g_m+2}{C_3C_5R_5(2R_2R_3g_m+R_2+4R_3)}}(2R_2R_3g_m+R_2+4R_3)}{2C_3R_2R_3g_m+C_3R_2R_5g_m+C_3R_2+4C_3R_3+C_3R_5+2C_5R_2R_5g_m+4C_5R_5}\\ \text{wo:} \ \sqrt{2}\sqrt{\frac{R_2g_m+2}{C_3C_5R_5(2R_2R_3g_m+R_2+4R_3)}}\\ \text{bandwidth:} \ \frac{2C_3R_2R_3g_m+C_3R_2R_5g_m+C_3R_2+4C_3R_3+C_3R_5+2C_5R_2R_5g_m+4C_5R_5}{C_3C_5R_5(2R_2R_3g_m+R_2+4R_3)}\\ \text{K-LP:} \ \frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)}\\ \text{K-HP:} \ -\frac{R_2R_3}{2R_2R_3g_m+R_2+4R_3}\\ \text{K-BP:} \ \frac{C_3R_2R_3R_5g_m-C_3R_2R_3+C_3R_3R_5-C_5R_2R_5}{2C_3R_2R_3g_m+C_3R_2R_3+C_3R_2+4C_3R_3+C_3R_5+2C_5R_2R_5g_m+4C_5R_5}\\ \text{Qz:} \ -\frac{\sqrt{2}C_3C_5R_2R_3R_5}{C_3R_2R_3R_5g_m-C_3R_2R_3+C_3R_3+C_3R_5+2C_5R_2R_5}{C_3R_2R_3R_5g_m-C_3R_2R_3g_m+R_2+4R_3)}\\ \text{Wz:} \ \sqrt{\frac{-R_2R_5g_m+R_2-R_5}{C_3C_5R_2R_3R_5}}\\ \end{array}$$

9.2 INVALID-WZ-2 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 R_5 s^2 + C_2 s + C_5 R_5 g_m s - C_5 s + g_m \right)}{4 C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 s + 2 C_5 R_3 g_m s + C_5 R_5 g_m s + C_5 s + g_m}$$

Parameters:

 $\begin{aligned} & \text{Q:} \ \frac{C_2C_5\sqrt{\frac{g_m}{C_2C_5(4R_3+R_5)}}(4R_3+R_5)}{C_2+2C_5R_3g_m+C_5R_5g_m+C_5} \\ & \text{wo:} \ \sqrt{\frac{g_m}{C_2C_5(4R_3+R_5)}} \\ & \text{bandwidth:} \ \frac{C_2+2C_5R_3g_m+C_5R_5g_m+C_5}{C_2C_5(4R_3+R_5)} \\ & \text{K-LP:} \ R_3 \\ & \text{K-HP:} \ \frac{R_3R_5}{4R_3+R_5} \\ & \text{K-BP:} \ \frac{R_3(C_2+C_5R_5g_m-C_5)}{C_2+2C_5R_3g_m+C_5R_5g_m+C_5} \\ & \text{Qz:} \ \frac{C_2C_5R_5\sqrt{\frac{g_m}{C_2C_5(4R_3+R_5)}}}{C_2+C_5R_5g_m-C_5} \\ & \text{Wz:} \ \sqrt{\frac{g_m}{C_2C_5R_5}} \end{aligned}$

9.3 INVALID-WZ-3 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}R_{5}s+R_{5}g_{m}-1\right)}{4C_{2}C_{3}R_{3}s^{2}+C_{2}C_{3}R_{5}s^{2}+4C_{2}s+2C_{3}R_{3}g_{m}s+C_{3}R_{5}g_{m}s+C_{3}s+2g_{m}}$$

Parameters:

 $\begin{aligned} & \text{Q:} \ \frac{\sqrt{2}C_2C_3\sqrt{\frac{g_m}{C_2C_3(4R_3+R_5)}}(4R_3+R_5)}{4C_2+2C_3R_3g_m+C_3R_5g_m+C_3} \\ & \text{wo:} \ \sqrt{2}\sqrt{\frac{g_m}{C_2C_3(4R_3+R_5)}} \\ & \text{bandwidth:} \ \frac{4C_2+2C_3R_3g_m+C_3R_5g_m+C_3}{C_2C_3(4R_3+R_5)} \\ & \text{K-LP:} \ \frac{R_5g_m-1}{2g_m} \\ & \text{K-HP:} \ \frac{R_3R_5}{4R_3+R_5} \\ & \text{K-BP:} \ \frac{C_2R_5+C_3R_3R_5g_m-C_3R_3}{4C_2+2C_3R_3g_m+C_3R_5g_m+C_3} \\ & \text{Qz:} \ \frac{\sqrt{2}C_2C_3R_3R_5\sqrt{\frac{g_m}{C_2C_3(4R_3+R_5)}}}{C_2R_5+C_3R_3R_5g_m-C_3R_3} \\ & \text{Wz:} \ \sqrt{\frac{R_5g_m-1}{C_2C_3R_3R_5}} \end{aligned}$

9.4 INVALID-WZ-4 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 R_2 R_5 s^2 + C_2 R_2 s + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1\right)}{4 C_2 C_5 R_2 R_3 s^2 + C_2 C_5 R_2 R_5 s^2 + C_2 R_2 s + 2 C_5 R_2 R_3 g_m s + C_5 R_2 R_5 g_m s + C_5 R_2 s + 4 C_5 R_3 s + C_5 R_5 s + R_2 g_m + 1}$$

Parameters:

 $\begin{array}{l} \text{Q:} & \frac{C_2C_5R_2\sqrt{\frac{R_2g_m+1}{C_2C_5R_2(4R_3+R_5)}}(4R_3+R_5)}{C_2R_2+2C_5R_2R_3g_m+C_5R_2R_5g_m+C_5R_2+4C_5R_3+C_5R_5}\\ \text{wo:} & \sqrt{\frac{R_2g_m+1}{C_2C_5R_2(4R_3+R_5)}}\\ \text{bandwidth:} & \frac{C_2R_2+2C_5R_2R_3g_m+C_5R_2R_5g_m+C_5R_2+4C_5R_3+C_5R_5}{C_2C_5R_2(4R_3+R_5)}\\ \text{K-LP:} & R_3\\ \text{K-HP:} & \frac{R_3R_5}{4R_3+R_5}\\ \text{K-BP:} & \frac{R_3(C_2R_2+C_5R_2R_5g_m-C_5R_2+C_5R_5)}{C_2R_2+2C_5R_2R_3g_m+C_5R_2R_5g_m+C_5R_2+4C_5R_3+C_5R_5}\\ \text{Qz:} & \frac{C_2C_5R_2R_5\sqrt{\frac{R_2g_m+1}{C_2C_5R_2(4R_3+R_5)}}}{C_2R_2+C_5R_2R_5g_m-C_5R_2+C_5R_5}\\ \text{Wz:} & \sqrt{\frac{R_2g_m+1}{C_2C_5R_2R_5}}\\ \end{array}$

9.5 INVALID-WZ-5
$$Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}R_{2}R_{5}s+R_{2}R_{5}g_{m}-R_{2}+R_{5}\right)}{4C_{2}C_{3}R_{2}R_{3}s^{2}+C_{2}C_{3}R_{2}R_{5}s^{2}+4C_{2}R_{2}s+2C_{3}R_{2}R_{3}g_{m}s+C_{3}R_{2}R_{5}g_{m}s+C_{3}R_{2}s+4C_{3}R_{3}s+C_{3}R_{5}s+2R_{2}g_{m}+4}$$

$$\begin{array}{l} \text{Q:} & \frac{\sqrt{2}C_2C_3R_2\sqrt{\frac{R_2g_m+2}{C_2C_3R_2(4R_3+R_5)}}}{4C_2R_2+2C_3R_2R_3g_m+C_3R_2R_5g_m+C_3R_2+4C_3R_3+C_3R_5}\\ \text{Wo:} & \sqrt{2}\sqrt{\frac{R_2g_m+2}{C_2C_3R_2(4R_3+R_5)}}\\ \text{bandwidth:} & \frac{4C_2R_2+2C_3R_2R_3g_m+C_3R_2R_5g_m+C_3R_2+4C_3R_3+C_3R_5}{C_2C_3R_2(4R_3+R_5)}\\ \text{K-LP:} & \frac{R_2R_5g_m-R_2+R_5}{2(R_2g_m+2)}\\ \text{K-HP:} & \frac{R_3R_5}{4R_3+R_5}\\ \text{K-BP:} & \frac{C_2R_2R_5+C_3R_2R_3R_5g_m-C_3R_2R_3+C_3R_3}{4C_2R_2+2C_3R_2R_3g_m+C_3R_2R_5g_m+C_3R_2+4C_3R_3+C_3R_5}\\ \text{Qz:} & \frac{\sqrt{2}C_2C_3R_2R_3R_5\sqrt{\frac{R_2g_m+2}{C_2C_3R_2(4R_3+R_5)}}}{C_2R_2R_5+C_3R_2R_3R_5g_m-C_3R_2R_3+C_3R_3R_5}\\ \text{Wz:} & \sqrt{\frac{R_2R_3g_m-R_2+R_5}{C_2C_3R_2R_3R_5g_m-C_3R_2R_3+C_3R_3R_5}}\\ \end{array}$$

9.6 INVALID-WZ-6 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 R_2 s^2 + C_2 R_2 g_m s + C_2 s - C_5 s + g_m \right)}{2 C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 R_2 g_m s + C_2 s + 2 C_5 R_3 g_m s + C_5 s + g_m}$$

Parameters:

$$\begin{aligned} &\text{Q:} \ \frac{C_2C_5\sqrt{\frac{g_m}{C_2C_5(2R_2R_3g_m+R_2+4R_3)}}(2R_2R_3g_m+R_2+4R_3)}{C_2R_2g_m+C_2+2C_5R_3g_m+C_5}\\ &\text{wo:} \ \sqrt{\frac{g_m}{C_2C_5(2R_2R_3g_m+R_2+4R_3)}}\\ &\text{bandwidth:} \ \frac{C_2R_2g_m+C_2+2C_5R_3g_m+C_5}{C_2C_5(2R_2R_3g_m+R_2+4R_3)}\\ &\text{K-LP:} \ R_3\\ &\text{K-HP:} \ -\frac{R_2R_3}{2R_2R_3g_m+R_2+4R_3}\\ &\text{K-BP:} \ \frac{R_3(C_2R_2g_m+C_2-C_5)}{C_2R_2g_m+C_2+2C_5R_3g_m+C_5}\\ &\text{Qz:} \ -\frac{C_2C_5R_2\sqrt{\frac{g_m}{C_2C_5(2R_2R_3g_m+R_2+4R_3)}}}{C_2R_2g_m+C_2-C_5}\\ &\text{Wz:} \ \sqrt{-\frac{g_m}{C_2C_5R_2}} \end{aligned}$$

9.7 INVALID-WZ-7
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 R_2 R_5 s^2 + C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1\right)}{2 C_2 C_5 R_2 R_3 R_5 g_m s^2 + C_2 C_5 R_2 R_5 s^2 + 4 C_2 C_5 R_3 R_5 s^2 + 2 C_2 R_2 R_3 g_m s + C_2 R_2 R_5 g_m s + C_2 R_2 s + 4 C_2 R_3 s + C_2 R_5 s + 2 C_5 R_3 R_5 g_m s + C_5 R_5 s + 2 R_3 g_m s + R_5 g_m + 1}$$

$$\begin{aligned} & \text{Q:} \ \frac{C_2C_5R_5\sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_5R_5(2R_2R_3g_m+R_2+4R_3)}}(2R_2R_3g_m+R_2+4R_3)}{2C_2R_2R_3g_m+C_2R_2R_5g_m+C_2R_2+4C_2R_3+C_2R_5+2C_5R_3R_5g_m+C_5R_5} \\ & \text{Wo:} \ \sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_5R_5(2R_2R_3g_m+R_2+4R_3)}} \\ & \text{bandwidth:} \ \frac{2C_2R_2R_3g_m+C_2R_2R_5g_m+C_2R_2+4C_2R_3+C_2R_5+2C_5R_3R_5g_m+C_5R_5}{C_2C_5R_5(2R_2R_3g_m+R_2+4R_3)} \\ & \text{K-LP:} \ \frac{R_3(R_5g_m-1)}{2R_3g_m+R_5g_m+1} \\ & \text{K-HP:} \ -\frac{R_2R_3}{2R_2R_3g_m+R_2+4R_3} \\ & \text{K-BP:} \ \frac{R_3(C_2R_2R_3g_m-C_2R_2+C_2R_5-C_5R_5)}{2C_2R_2R_3g_m+C_2R_2R_5g_m-C_2R_2+C_2R_5-C_5R_5)} \\ & \text{Qz:} \ -\frac{C_2C_5R_2R_5\sqrt{\frac{2R_3g_m+R_5g_m+1}{C_2C_5R_5(2R_2R_3g_m+R_2+4R_3)}}}{C_2R_2R_5g_m-C_2R_2+C_2R_5-C_5R_5} \\ & \text{Wz:} \ \sqrt{\frac{-R_5g_m+1}{C_2C_5R_5R_5}} \end{aligned}$$

9.8 INVALID-WZ-8
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 R_2 R_5 g_m s^2 - C_2 C_5 R_2 s^2 + C_2 C_5 R_5 s^2 + C_2 R_2 g_m s + C_2 s + C_5 R_5 g_m s - C_5 s + g_m \right)}{2 C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 R_2 g_m s + C_2 s + 2 C_5 R_3 g_m s + C_5 R_5 g_m s + C_5 s + g_m r^2 + C_5 R_5 g_m s^2 +$$

$$\begin{aligned} &\text{Q:} & \frac{C_2C_5\sqrt{\frac{g_m}{C_2C_5(2R_2R_3g_m+R_2+4R_3+R_5)}}(2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5)}{C_2R_2g_m+C_2+2C_5R_3g_m+C_5R_5g_m+C_5} \\ &\text{wo:} & \sqrt{\frac{g_m}{C_2C_5(2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5)}} \\ &\text{bandwidth:} & \frac{C_2R_2g_m+C_2+2C_5R_3g_m+C_5}{C_2C_5(2R_2R_3g_m+R_2+R_5)g_m+C_5} \\ &\text{K-LP:} & R_3 \\ &\text{K-HP:} & \frac{R_3(R_2R_5g_m-R_2+R_5)}{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5} \\ &\text{K-BP:} & \frac{R_3(C_2R_2g_m+C_2+2C_5R_3g_m+C_5)}{C_2R_2g_m+C_2+2C_5R_3g_m+C_5} \\ &\text{Qz:} & \frac{C_2C_5\sqrt{\frac{g_m}{C_2C_5(2R_2R_3g_m+R_2+4R_3+R_5)}}(R_2R_5g_m-R_2+R_5)}{C_2R_2g_m+C_2+C_5R_5g_m-C_5} \\ &\text{Wz:} & \sqrt{\frac{g_m}{C_2C_5(R_2R_5g_m-R_2+R_5)}} \end{aligned}$$

9.9 INVALID-WZ-9 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}R_{2}R_{5}g_{m}s-C_{2}R_{2}s+C_{2}R_{5}s+R_{5}g_{m}-1\right)}{2C_{2}C_{3}R_{2}R_{3}g_{m}s^{2}+C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}R_{3}s^{2}+C_{2}C_{3}R_{5}s^{2}+2C_{2}R_{2}g_{m}s+4C_{2}s+2C_{3}R_{3}g_{m}s+C_{3}R_{5}g_{m}s+C_{3}s+2g_{m}s+2C_{3}R_{3}s^{2}+C_{4}C_{5}R_{5}s^{2}+2C_{5}R_{5$$

Parameters:

$$\begin{array}{l} \text{Q:} & \frac{\sqrt{2}C_2C_3\sqrt{\frac{g_m}{C_2C_3(2R_2R_3g_m+R_2+4R_3+R_5)}}(2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5)}{2C_2R_2g_m+4C_2+2C_3R_3g_m+C_3R_5g_m+C_3} \\ \text{wo:} & \sqrt{2}\sqrt{\frac{g_m}{C_2C_3(2R_2R_3g_m+R_2+4R_3+R_5)}} \\ \text{bandwidth:} & \frac{2C_2R_2g_m+4C_2+2C_3R_3g_m+C_3R_5g_m+C_3}{C_2C_3(2R_2R_3g_m+R_2+R_5+R_5)} \\ \text{K-LP:} & \frac{R_5g_m-1}{2g_m} \\ \text{K-HP:} & \frac{R_3(R_2R_5g_m-R_2+R_5)}{\frac{2R_2R_3g_m+R_2R_5g_m+R_2+4R_3+R_5}{2C_2R_2g_m+4C_2+2C_3R_3g_m+C_3R_3}} \\ \text{K-BP:} & \frac{C_2R_2R_5g_m-C_2R_2+C_2R_5+C_3R_3R_5g_m-C_3R_3}{2C_2R_2g_m+4C_2+2C_3R_3g_m+R_2+4R_3+R_5} \\ \text{Qz:} & \frac{\sqrt{2}C_2C_3R_3\sqrt{\frac{C_2C_3(2R_2R_3g_m+R_2+R_5+R_5)}{2R_2R_5g_m-R_2+R_5}}(R_2R_5g_m-R_2+R_5)}{C_2R_2R_5g_m-C_2R_2+C_2R_5+C_3R_3R_5g_m-C_3R_3} \\ \text{Wz:} & \sqrt{\frac{R_5g_m-1}{C_2C_3R_3(R_2R_5g_m-R_2+R_5)}} \\ \end{array}$$

10 INVALID-ORDER

10.1 INVALID-ORDER-1 $Z(s) = (\infty, R_2, R_3, \infty, R_5, \infty)$

$$H(s) = \frac{R_3 (R_2 R_5 g_m - R_2 + R_5)}{2R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4R_3 + R_5}$$

10.2 INVALID-ORDER-2 $Z(s) = \left(\infty, R_2, R_3, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_5 R_2 s + R_2 g_m + 1 \right)}{2C_5 R_2 R_3 g_m s + C_5 R_2 s + 4C_5 R_3 s + R_2 g_m + 1}$$

10.3 INVALID-ORDER-3
$$Z(s) = \left(\infty, R_2, R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_5 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5 \right)}{2 C_5 R_2 R_3 R_5 g_m s + C_5 R_2 R_5 s + 4 C_5 R_3 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

10.4 INVALID-ORDER-4
$$Z(s) = \left(\infty, R_2, R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1 \right)}{2 C_5 R_2 R_3 g_m s + C_5 R_2 R_5 g_m s + C_5 R_2 s + 4 C_5 R_3 s + C_5 R_5 s + R_2 g_m + 1}$$

10.5 INVALID-ORDER-5
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{R_2 R_5 g_m - R_2 + R_5}{C_3 R_2 R_5 g_m s + C_3 R_2 s + C_3 R_5 s + 2 R_2 g_m + 4}$$

10.6 INVALID-ORDER-6
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{-C_5 R_2 s + R_2 g_m + 1}{s \left(C_3 C_5 R_2 s + C_3 R_2 g_m + C_3 + 2 C_5 R_2 g_m + 4 C_5 \right)}$$

10.7 INVALID-ORDER-7
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1}{s \left(C_3 C_5 R_2 R_5 g_m s + C_3 C_5 R_2 s + C_3 C_5 R_5 s + C_3 R_2 g_m + C_3 + 2 C_5 R_2 g_m + 4 C_5 \right)}$$

10.8 INVALID-ORDER-8
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1}{s\left(C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.9 INVALID-ORDER-9
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

$$H(s) = \frac{-C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2}{C_3C_5L_5R_2s^3 + C_3L_5R_2g_ms^2 + C_3L_5s^2 + C_3R_2s + 2C_5L_5R_2g_ms^2 + 4C_5L_5s^2 + 2R_2g_m + 4}$$

10.10 INVALID-ORDER-10
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1}{s\left(C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5R_2g_ms + C_3C_5R_2s + C_3C_5R_5s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.11 INVALID-ORDER-11
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$$

$$H(s) = \frac{-C_5L_5R_2R_5s^2 + L_5R_2R_5g_ms - L_5R_2s + L_5R_5s - R_2R_5}{C_3C_5L_5R_2R_5s^3 + C_3L_5R_2s^2 + C_3L_5R_2s^2 + C_3L_5R_5s^2 + 2C_5L_5R_2R_5g_ms^2 + 4C_5L_5R_5s^2 + 2L_5R_2g_ms + 4L_5s + 2R_2R_5g_m + 4R_5}$$

10.12 INVALID-ORDER-12
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5L_5R_5s^2 + L_5R_2g_ms + L_5s + R_2R_5g_m - R_2 + R_5}{C_3C_5L_5R_2g_ms^3 + C_3C_5L_5R_2s^3 + C_3C_5L_5R_2s^3 + C_3L_5R_2g_ms^2 + C_3L_5s^2 + C_3R_2s^2 + C_3R_2s + C_3R_2s + C_3R_5s + 2C_5L_5R_2g_ms^2 + 4C_5L_5s^2 + 2R_2g_m + 4C_5L_5s^2 + 2R_5g_m +$$

10.13 INVALID-ORDER-13
$$Z(s) = \left(\infty, R_2, \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5L_5R_5s^2 - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5}{C_3C_5L_5R_2s^3 + C_3C_5L_5R_2s^3 + C_3C_5L_5R_2s^3 + C_3C_5R_2R_5s^2 + C_3R_2R_5g_ms + C_3R_2s + C_3R_5s + 2C_5L_5R_2g_ms^2 + 4C_5L_5s^2 + 2C_5R_2R_5g_ms + 4C_5R_5s + 2R_2g_m + 4C_5R_$$

10.14 INVALID-ORDER-14
$$Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(R_2 R_5 g_m - R_2 + R_5 \right)}{C_3 R_2 R_3 R_5 g_m s + C_3 R_2 R_3 s + C_3 R_3 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}$$

10.15 INVALID-ORDER-15
$$Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 - C_5 R_2 s + R_2 g_m + 1 \right)}{C_3 C_5 L_5 R_2 g_m s^3 + C_3 C_5 L_5 R_3 s^3 + C_3 C_5 R_2 R_3 s^2 + C_3 R_2 R_3 g_m s + C_3 R_3 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

10.16 INVALID-ORDER-16
$$Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

10.17 INVALID-ORDER-17
$$Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1 \right)}{C_3 C_5 L_5 R_2 R_3 g_m s^3 + C_3 C_5 L_5 R_3 s^3 + C_3 C_5 R_2 R_3 g_m s^2 + C_3 C_5 R_2 R_3 g_m s + C_5 R_3 g_m s + C_$$

10.18 INVALID-ORDER-18
$$Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$$

10.19 INVALID-ORDER-19
$$Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_2 s^2 + L_5 R_2 g_m s + L_5 s + R_2 R_5 g_m - R_2 + R_5 \right)}{C_3 C_5 L_5 R_2 R_3 R_5 g_m s^3 + C_3 C_5 L_5 R_2 R_3 s^3 + C_3 C_5 L_5 R_3 R_5 s^3 + C_3 L_5 R_3 g_m s^2 + C_3 L_5 R_3 g_m s^2 + C_3 L_5 R_3 g_m s^2 + C_5 L_5 R_2 g_m s^2 + C_$$

10.20 INVALID-ORDER-20
$$Z(s) = \left(\infty, R_2, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_5 s^2 - C_5 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5 \right)}{C_3 C_5 L_5 R_2 R_3 R_5 g_m s^3 + C_3 C_5 L_5 R_3 R_5 s^3 + C_3 C_5 L_5 R_3 R_5 s^3 + C_3 C_5 R_2 R_3 R_5 g_m s + C_3 R_2 R_3 R_5 g_m s + C_5 R_2 R_3 g_m s^2 + C_5 L_5 R_2 g_m s^2 + C_5 L_$$

10.21 INVALID-ORDER-21 $Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{(C_3R_3s + 1)(R_2R_5g_m - R_2 + R_5)}{2C_3R_2R_3g_ms + C_3R_2R_5g_ms + C_3R_2s + 4C_3R_3s + C_3R_5s + 2R_2g_m + 4}$$

10.22 INVALID-ORDER-22
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3 R_3 s + 1\right) \left(-C_5 R_2 s + R_2 g_m + 1\right)}{s \left(2C_3 C_5 R_2 R_3 g_m s + C_3 C_5 R_2 s + 4C_3 C_5 R_3 s + C_3 R_2 g_m + C_3 + 2C_5 R_2 g_m + 4C_5\right)}$$

10.23 INVALID-ORDER-23
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{5}R_{2}R_{5}g_{m}s-C_{5}R_{2}s+C_{5}R_{5}s+R_{2}g_{m}+1\right)}{s\left(2C_{3}C_{5}R_{2}R_{3}g_{m}s+C_{3}C_{5}R_{2}R_{5}g_{m}s+C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{3}s+C_{3}C_{5}R_{5}s+C_{3}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+4C_{5}\right)}$$

10.24 INVALID-ORDER-24
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3R_3s + 1\right)\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{s\left(C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + 2C_3C_5R_2g_ms + C_3C_5R_2s + 4C_3C_5R_3s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.25 INVALID-ORDER-25
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

$$H(s) = -\frac{\left(C_{3}R_{3}s+1\right)\left(C_{5}L_{5}R_{2}s^{2}-L_{5}R_{2}g_{m}s-L_{5}s+R_{2}\right)}{2C_{3}C_{5}L_{5}R_{2}g_{m}s^{3}+C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{3}s^{3}+C_{3}L_{5}R_{2}g_{m}s^{2}+C_{3}L_{5}s^{2}+2C_{3}R_{2}R_{3}g_{m}s+C_{3}R_{2}s+4C_{3}R_{3}s+2C_{5}L_{5}R_{2}g_{m}s^{2}+4C_{5}L_{5}s^{2}+2R_{2}g_{m}+4C_{5}L_{5}s^{2}+2C_{5}L_{5}R_{2}g_{m}s^{2}+C_{5}L_{5}R_{2}g_{m}s^$$

10.26 INVALID-ORDER-26
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{5}L_{5}R_{2}g_{m}s^{2}+C_{5}L_{5}s^{2}+C_{5}R_{2}R_{5}g_{m}s-C_{5}R_{2}s+C_{5}R_{5}s+R_{2}g_{m}+1\right)}{s\left(C_{3}C_{5}L_{5}R_{2}g_{m}s^{2}+C_{3}C_{5}R_{2}R_{3}g_{m}s+C_{3}C_{5}R_{2}g_{m}s+C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{3}s+C_{3}C_{5}R_{5}s+C_{3}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+4C_{5}\right)}$$

10.27 INVALID-ORDER-27
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$$

$$H(s) = -\frac{\left(C_{3}R_{3}s+1\right)\left(C_{5}L_{5}R_{2}R_{5}s^{2}-L_{5}R_{2}R_{5}g_{m}s+L_{5}R_{2}s-L_{5}R_{5}s+R_{2}R_{5}\right)}{2C_{3}C_{5}L_{5}R_{2}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}R_{2}R_{5}s^{3}+4C_{3}C_{5}L_{5}R_{3}R_{5}s^{3}+2C_{3}L_{5}R_{2}R_{3}g_{m}s^{2}+C_{3}L_{5}R_{2}s^{2}+4C_{3}L_{5}R_{3}s^{2}+C_{3}L_{5}R_{3}s^{2}+C_{3}L_{5}R_{3}s^{2}+C_{3}L_{5}R_{3}s^{2}+C_{3}L_{5}R_{2}s^{2}+4C_{3}L_{5}R_{3}s^{2}+C_{3}L_{5}$$

10.28 INVALID-ORDER-28
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{5}L_{5}R_{2}R_{5}g_{m}s^{2}-C_{5}L_{5}R_{2}s^{2}+C_{5}L_{5}R_{5}s^{2}+L_{5}R_{2}g_{m}s+L_{5}s+R_{2}R_{5}g_{m}-R_{2}+R_{5}\right)}{2C_{3}C_{5}L_{5}R_{2}g_{m}s^{3}+C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{3}s^{3}+C_{3}C_{5}L_{5}R_{5}s^{3}+C_{3}L_{5}R_{2}g_{m}s^{2}+C_{3}L_{5}s^{2}+2C_{3}R_{2}g_{m}s+C_{3}R_{2}s_{g}+4C_{3}R_{3}s+C_{3}R_{5}s+2C_{5}L_{5}R_{2}g_{m}s^{2}+4C_{5}L_{5}s^{2}+2R_{2}g_{m}s+4C_{5}R_{5}s^{2}+2C_{5}R_{5}g_{m}s+C_{$$

10.29 INVALID-ORDER-29
$$Z(s) = \left(\infty, R_2, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{5}L_{5}R_{2}R_{5}g_{m}s^{2}-C_{5}L_{5}R_{2}s^{2}+C_{5}L_{5}R_{5}s^{2}-C_{5}R_{2}R_{5}g_{m}-R_{2}+R_{5}\right)}{2C_{3}C_{5}L_{5}R_{2}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{3}s^{3}+C_{3}C_{5}L_{5}R_{3}s^{3}+2C_{3}C_{5}R_{2}R_{3}R_{5}g_{m}s^{2}+C_{3}C_{5}R_{2}R_{5}g_{m}s+C_{3}R_{2}R_{5}g_{m}s+C_{3}R_{2}s+4C_{3}R_{3}s+C_{3}R_{5}s^{2}+2C_{5}R_{2}g_{m}s^{2}+4C_{5}L_{5}s^{2}+2C_{5}R_{2}g_{m}s+C_{3}R_{2}s+C_{5}R_{5}g_{m$$

10.30 INVALID-ORDER-30 $Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(-C_5R_2s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.31 INVALID-ORDER-31
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_5R_2R_5s - R_2R_5g_m + R_2 - R_5\right)}{2C_3C_5L_3R_2R_5g_ms^3 + 4C_3C_5L_3R_5s^3 + C_3C_5R_2R_5s^2 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3R_2R_5g_ms + C_3R_2s + C_3R_2s + C_3R_5s + 2C_5R_2R_5g_ms + 4C_5R_5s + 2R_2g_m + 4C_5R_5s + 2R_5g_m + 4C_5R_5s + 2R_$$

10.32 INVALID-ORDER-32
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5R_2g_ms + C_3C_5R_2s + C_3C_5R_5s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.33 INVALID-ORDER-33
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.34 INVALID-ORDER-34
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

$$H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_5L_5R_2s^2 - L_5R_2g_ms - L_5s + R_2\right)}{2C_3C_5L_3L_5R_2g_ms^4 + 4C_3C_5L_3L_5s^4 + C_3C_5L_5R_2s^3 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3L_5R_2g_ms^2 + C_3L_5s^2 + C_3L_5s^2 + 2C_5L_5R_2g_ms^2 + 4C_5L_5s^2 + 2R_2g_m + 4C_5L_5s^2 + 2R_2g_ms^2 + 2$$

10.35 INVALID-ORDER-35
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5R_2g_ms + C_3C_5R_2s + C_3C_5R_2s + C_3C_5R_2s + C_3C_5R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.36 INVALID-ORDER-36
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$$

$$H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_5L_5R_2R_5s^2 - L_5R_2R_5g_ms + L_5R_2s - L_5R_5s + R_2R_5\right)}{2C_3C_5L_3L_5R_2R_5g_ms^4 + 4C_3C_5L_3L_5R_5s^4 + C_3C_5L_5R_2R_5s^3 + 2C_3L_3L_5R_2g_ms^3 + 4C_3L_3L_5s^3 + 2C_3L_3R_2R_5g_ms^2 + 4C_3L_5R_2s^2 + C_3L_5R_2s^2 + C_3L_5R_5s^2 + C_3L_5R_5s^2 + 2C_5L_5R_2g_ms^2 + 4C_5L_5R_5s^2 + 2L_5R_2g_ms + 4L_5s + 2R_2R_5g_m + 4R_5s^2 + 2R_5R_5g_ms^2 + 4C_5L_5R_5s^2 + 2C_5L_5R_2g_ms^2 + 4C_5L_5R_2g_ms^2 + 4C_5L_5R_5s^2 + 2C_5L_5R_2g_ms^2 + 4C_5L_5R_5s^2 + 2C_5L_5R_5s^2 + 2C_5L_5R_5s^2$$

10.37 INVALID-ORDER-37
$$Z(s) = \left(\infty, R_2, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5L_5R_5s^2 + L_5R_2g_ms + L_5s + R_2R_5g_m - R_2 + R_5\right)}{2C_3C_5L_3L_5R_2g_ms^4 + 4C_3C_5L_3L_5s^4 + C_3C_5L_5R_2g_ms^3 + C_3C_5L_5R_2s^3 + C_3C_5L_5R_2s^3 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3L_5s^2 + C_3L_5s^2 + C_3R_2g_ms + C_3R_2s +$$

10.38 INVALID-ORDER-38
$$Z(s) = \left(\infty, \ R_2, \ L_3 s + \frac{1}{C_3 s}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5L_5R_5s^2 - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{2C_3C_5L_3L_5R_2g_ms^4 + 4C_3C_5L_3R_2s^3 + 2C_3C_5L_3R_2s^3 + C_3C_5L_5R_2s^3 + C_3C_5L_5R$$

10.39 INVALID-ORDER-39 $Z(s) = \left(\infty, R_2, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{L_3s\left(-C_5R_2s + R_2g_m + 1\right)}{C_3C_5L_3R_2s^3 + C_3L_3R_2g_ms^2 + C_3L_3s^2 + 2C_5L_3R_2g_ms^2 + 4C_5L_3s^2 + C_5R_2s + R_2g_m + 1}$$

10.40 INVALID-ORDER-40
$$Z(s) = \left(\infty, R_2, \frac{L_{3s}}{C_3 L_{3s}^2 + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{L_3s\left(-C_5R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{C_3C_5L_3R_2R_5s^3 + C_3L_3R_2Sg_ms^2 + C_3L_3R_2s^2 + C_3L_3R_2s^2 + 2C_5L_3R_2R_5g_ms^2 + 4C_5L_3R_5s^2 + C_5R_2R_5s + 2L_3R_2g_ms + 4L_3s + R_2R_5g_m + R_2 + R_5}$$

10.41 INVALID-ORDER-41
$$Z(s) = \left(\infty, R_2, \frac{L_{3s}}{C_3L_3s^2+1}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)$$

$$H(s) = \frac{L_3s\left(C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{C_3C_5L_3R_2R_5g_ms^3 + C_3C_5L_3R_2s^3 + C_3C_5L_3R_2g_ms^2 + C_3L_3s^2 + 2C_5L_3R_2g_ms^2 + 4C_5L_3s^2 + C_5R_2g_ms + C_5R_2s + C_5R_5s + R_2g_m + 1}$$

10.42 INVALID-ORDER-42
$$Z(s) = \left(\infty, \ R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$$

$$H(s) = \frac{L_3s\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{C_3C_5L_3L_5R_2g_ms^4 + C_3C_5L_3L_5s^4 + C_3C_5L_3R_2g_ms^2 + C_3L_3s^2 + 2C_5L_3R_2g_ms^2 + 4C_5L_3s^2 + C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2s + R_2g_m + 1}$$

10.43 INVALID-ORDER-43
$$Z(s) = \left(\infty, R_2, \frac{L_{3s}}{C_3L_3s^2+1}, \infty, \frac{L_{5s}}{C_5L_5s^2+1}, \infty\right)$$

$$H(s) = \frac{L_3s\left(-C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2\right)}{C_3C_5L_3L_5R_2s^4 + C_3L_3L_5R_2g_ms^3 + C_3L_3L_5s^3 + C_3L_3R_2s^2 + 2C_5L_3L_5R_2g_ms^3 + 4C_5L_3L_5s^3 + C_5L_5R_2s^2 + 2L_3R_2g_ms + 4L_3s + L_5R_2g_ms + L_5s + R_2g_ms + L_5s + L_5g_ms + L_5g$$

10.44 INVALID-ORDER-44
$$Z(s) = \left(\infty, R_2, \frac{L_3s}{C_3L_3s^2+1}, \infty, L_5s + R_5 + \frac{1}{C_5s}, \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{5}L_{5}R_{2}g_{m}s^{2} + C_{5}L_{5}s^{2} + C_{5}R_{2}g_{m}s - C_{5}R_{2}s + C_{5}R_{5}s + R_{2}g_{m} + 1\right)}{C_{3}C_{5}L_{3}L_{5}R_{2}g_{m}s^{4} + C_{3}C_{5}L_{3}R_{2}s^{3} + C_{3}C_{5}L_{3}R_{2}s^{3} + C_{3}C_{5}L_{3}R_{2}s^{3} + C_{3}C_{5}L_{3}R_{2}s^{3} + C_{3}L_{3}R_{2}g_{m}s^{2} + C_{5}L_{3}R_{2}g_{m}s^{2} + C_{5}L_{5}R_{2}g_{m}s^{2} + C_{5}L_{5}s^{2} + C_{5}R_{2}g_{m}s + C_{5}R_{2}s + C_{5}R_$$

10.45 INVALID-ORDER-45
$$Z(s) = \left(\infty, R_2, \frac{L_3s}{C_3L_3s^2+1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)$$

$$H(s) = \frac{L_{3}s\left(-C_{5}L_{5}R_{2}R_{5}s^{2} + L_{5}R_{2}g_{m}s - L_{5}R_{2}s + L_{5}R_{5}s - R_{2}R_{5}\right)}{C_{3}C_{5}L_{3}L_{5}R_{2}S_{5}s^{4} + C_{3}L_{3}L_{5}R_{2}S^{3} + C_{3}L_{3}L_{5}R_{2}s^{3} + C_{3}L_{3}L_{5}R_{5}s^{2} + 2C_{5}L_{3}L_{5}R_{2}R_{5}g_{m}s^{3} + 4C_{5}L_{3}L_{5}R_{2}S^{3} + C_{5}L_{3}L_{5}R_{2}S^{3} + 2L_{3}L_{5}R_{2}S^{3} + 2L_{3}L_{5}S^{2} + 2L_{5}L_{5}S^{2} + 2L_{$$

10.46 INVALID-ORDER-46
$$Z(s) = \left(\infty, R_2, \frac{L_3s}{C_3L_3s^2+1}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{5}L_{5}R_{2}R_{5}g_{m}s^{2} - C_{5}L_{5}R_{2}s^{2} + C_{5}L_{5}R_{5}s^{2} + L_{5}R_{2}g_{m}s + L_{5}s + R_{2}R_{5}g_{m} - R_{2} + R_{5}\right)}{C_{3}C_{5}L_{3}L_{5}R_{2}g_{m}s^{4} + C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + C_{3}L_{3}L_{5}S^{3} + C_{3}L_{3}L_{5}S^{3} + C_{3}L_{3}R_{2}s^{2} + C_{3}L_{3}R_{5}s^{2} + 2C_{5}L_{3}L_{5}R_{2}g_{m}s^{3} + 4C_{5}L_{5}R_{2}s^{2} + C_{5}L_{5}R_{2}s^{2} + C_{5}L_{5}R_{2}s^{2}$$

10.47 INVALID-ORDER-47
$$Z(s) = \left(\infty, \ R_2, \ \frac{L_{3s}}{C_3L_3s^2+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{5}L_{5}R_{2}R_{5}g_{m}s^{2} - C_{5}L_{5}R_{2}s^{2} + C_{5}L_{5}R_{5}s^{2} - C_{5}R_{2}R_{5}s + R_{2}R_{5}g_{m} - R_{2} + R_{5}\right)}{C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + C_{3}C_{5}L_{3}L_{5}R_{5}s^{4} + C_{3}C_{5}L_{3}R_{2}R_{5}s^{3} + C_{3}L_{3}R_{2}R_{5}g_{m}s^{2} + C_{3}L_{3}R_{2}s^{2} + C_{5}L_{3}L_{5}R_{2}s^{2} + C_{5}L_{3}R_{5}s^{2} + C_{5}L_{5}R_{5}s^{2} + C_{5}L_{5$$

10.48 INVALID-ORDER-48 $Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(-C_5R_2s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + 2C_3C_5R_2g_ms + C_3C_5R_2s + 4C_3C_5R_3s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.49 INVALID-ORDER-49
$$Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = -\frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_5R_2R_5s - R_2R_5g_m + R_2 - R_5\right)}{2C_3C_5L_3R_2S_g_ms^3 + 4C_3C_5L_3R_5s^3 + 2C_3C_5R_2R_3S_g_ms^2 + 4C_3C_5R_2S_s^2 + 4C_3C_5R_2S_s^2 + 4C_3L_3s^2 + 2C_3R_2S_g_ms + C_3R_2S_g_ms + C_3R_$$

10.50 INVALID-ORDER-50 $Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + 2C_3C_5R_2R_3g_ms + C_3C_5R_2s + 4C_3C_5R_2s + 4C_3C_5R_3s + C_3C_5R_3s + C_3C_5R_2s + 4C_3C_5R_3s + C_3C_5R_3s + C_3C_5R$ **10.51** INVALID-ORDER-51 $Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + 2C_3C_5R_2g_ms + C_3C_5R_2s + 4C_3C_5R_3s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$ **10.52** INVALID-ORDER-52 $Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$ $H(s) = -\frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_5L_5R_2s^2 - L_5R_2g_ms - L_5s + R_2\right)}{2C_3C_5L_3L_5R_2g_ms^4 + 4C_3C_5L_3L_5s^4 + 2C_3C_5L_5R_2g_ms^3 + C_3C_5L_5R_2s^3 + 4C_3C_5L_5R_2s^3 + 4C_3C_5L_5R_2g_ms^2 + 4C_3L_3s^2 + C_3L_5s^2 + 2C_3R_2g_ms + C_3R_2s + 4C_3R_3s + 2C_5L_5R_2g_ms^2 + 4C_5L_5s^2 + 2R_2g_m + 4C_5L_5s^2 + 2C_3R_2g_ms^2 + 4C_3L_3s^2 + C_3L_5s^2 + 2C_3R_2g_ms^2 + 4C_3L_3s^2 + C_3L_5s^2 + 2C_3R_2g_ms^2 + 4C_3L_3s^2 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + 2C_3R_3g_ms^2 + 4C_3L_3s^2 + 2C_3R_3g_ms^2 + 4C_3L_3s^2 + 2C_3R_3g_ms^2 + 4C_3L_3s^2 + 2C_3R_3g_ms^2 + 4C_3R_3s^2 + 2C_3R_3g_ms^2 + 2C_3R_3g_$ 10.53 INVALID-ORDER-53 $Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{s\left(2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5L_5s^2 + 2C_3C_5R_2g_ms + C_3C_5R_2g_ms + C_3C_5R_2s + 4C_3C_5R_3s + C_3C_5R_3s + C_3C_5$ **10.54** INVALID-ORDER-54 $Z(s) = \left(\infty, R_2, L_3s + R_3 + \frac{1}{C_3s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \infty\right)$ $\frac{\left(C_{3}L_{3}s^{2}+C_{3}R_{3}s+1\right)\left(C_{5}L_{5}R_{2}R_{5}s^{2}-L_{5}R_{2}R_{5}g_{m}s+L_{5}R_{2}s-L_{5}R_{5}s+R_{2}R_{5}\right)}{2C_{3}C_{5}L_{3}L_{5}R_{2}R_{5}g_{m}s^{4}+4C_{3}C_{5}L_{5}R_{2}R_{5}g_{m}s^{3}+C_{3}C_{5}L_{5}R_{2}R_{5}g_{m}s^{3}+C_{3}C_{5}L_{5}R_{2}R_{5}g_{m}s^{3}+4C_{3}L_{5}R_{2}g_{m}s^{3}+4C_{3}L_{5}R_{2}g_{m}s^{3}+4C_{3}L_{5}R_{2}g_{m}s^{2}+C_{3}L_{5}R_{2}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_{5}g_{m}s^{2}+C_{3}L_{5}R_$ 10.55 INVALID-ORDER-55 $Z(s) = \left(\infty, R_2, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5L_5R_2s^2 + L_5R_2g_ms + L_5s + R_2R_5g_m - R_2 + R_5\right)}{2C_3C_5L_3L_5R_2g_ms^4 + 4C_3C_5L_5R_2g_ms^3 + C_3C_5L_5R_2g_ms^3 + C_3C_5L_5R_2s^3 + 4C_3C_5L_5R_2s^3 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3L_5R_2g_ms^2 + 2C_3L_5R_2g_ms^2 + C_3L_5R_2g_ms^2 + C_3L_5R_$ 10.56 INVALID-ORDER-56 $Z(s) = \left(\infty, R_2, L_3s + R_3 + \frac{1}{C_3s}, \infty, \frac{R_5\left(C_5L_5s^2 + 1\right)}{C_5L_5s^2 + C_5R_5s + 1}, \infty\right)$

$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5L_5R_5s^2 - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{2C_3C_5L_3L_5R_2g_ms^4 + 4C_3C_5L_3L_5s^4 + 2C_3C_5L_3R_2g_ms^3 + 4C_3C_5L_5R_2g_ms^3 + C_3C_5L_5R_2s^3 + 4C_3C_5L_5R_2s^3 + 4C_3C_5L_5R_2s^3 + 4C_3C_5L_5R_2s^3 + 4C_3C_5L_5R_2s^3 + 2C_3C_5R_2R_3R_5g_ms^2 + C_3C_5R_2R_3R_5g_ms^2 + 2C_3C_5R_2R_3R_5g_ms^2 + 2C_3C_5R_3R_5g_ms^2 + 2C_3C_5R_5R_5g_ms^2 + 2C_3C_5R_5g_ms^2 + 2C_3C_5R_5g_ms^2 + 2C_3C_5R_5g_ms^2 +$$

10.57 INVALID-ORDER-57
$$Z(s) = \left(\infty, R_2, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{L_3R_3s\left(-C_5R_2s + R_2g_m + 1\right)}{C_3C_5L_3R_2R_3s^3 + C_3L_3R_2R_3g_ms^2 + C_3L_3R_3s^2 + 2C_5L_3R_2R_3g_ms^2 + C_5L_3R_2s^2 + 4C_5L_3R_3s^2 + C_5R_2R_3s + L_3R_2g_ms + L_3s + R_2R_3g_m + R_3}$$

10.58 INVALID-ORDER-58
$$Z(s) = \left(\infty, R_2, \frac{L_3 R_{3s}}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{L_3R_3s\left(-C_5R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{C_3C_5L_3R_2R_3R_5s^3 + C_3L_3R_2R_3s_5g_ms^2 + C_3L_3R_2R_3s_5g_ms^2 + C_5L_3R_2R_3R_5g_ms^2 + C_5L_3R_2R_3s_5g_ms^2 + C_5L_3R_2R_3s_5g_ms^2 + C_5L_3R_2R_3s_5g_ms + L_3R_2s_5g_ms + L_3R_2s_5g_ms$$

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 \begin{aligned} \mathbf{10.59} \quad \mathbf{INVALID\text{-}ORDER\text{-}59} \ Z(s) &= \left( \infty, \ R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty \right) \\ H(s) &= \frac{L_3R_3s \left( C_5R_2R_5g_ms - C_5R_2s + C_5R_3s + R_2g_m + 1 \right)}{C_3C_5L_3R_2R_3g_ms^3 + C_3C_5L_3R_2R_3s^3 + C_3C_5L_3R_2R_3g_ms^2 + C_3L_3R_2R_3g_ms^2 + C_5L_3R_2R_5g_ms^2 + C_5L_3R_2s^2 + 4C_5L_3R_3s^2 + C_5L_3R_5s^2 + C_5R_2R_3R_5g_ms + C_5R_
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10.61 INVALID-ORDER-61 $Z(s) = \left(\infty, R_2, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{L_3R_3s\left(-C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2\right)}{C_3C_5L_3L_5R_2R_3s^4 + C_3L_3L_5R_2R_3g_ms^3 + C_3L_3L_5R_2s^3 + 2C_5L_3L_5R_2g_ms^3 + C_5L_3L_5R_2s^3 + 4C_5L_3L_5R_2s^3 + 4C_5L_3L_5R_2s^3 + 4C_5L_3L_5R_2g_ms^2 + L_3L_5s^2 + 2L_3R_2g_ms + L_3R_2s + 4L_3R_3s + L_5R_2g_ms + L_5R_3s + R_2R_3s^3 + C_5L_3L_5R_2s^3 + C_5L_5L_5R_2s^3 + C_5L_5L$$

10.62 INVALID-ORDER-62 $Z(s) = \left(\infty, \ R_2, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)$

$$H(s) = \frac{L_3R_3s\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{C_3C_5L_3L_5R_2g_ms^4 + C_3C_5L_3R_2g_ms^3 + C_3C_5L_3R_2g_ms^3 + C_3L_3R_2g_ms^3 + C_5L_3L_5R_2g_ms^3 + C_5L_3R_2g_ms^3 + C_5L_3R_$$

10.63 INVALID-ORDER-63 $Z(s) = \left(\infty, \ R_2, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)$

10.64 INVALID-ORDER-64 $Z(s) = \left(\infty, R_2, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

$$H(s) = \frac{L_3R_3s\left(C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + L_5R_2g_ms + L_5s + R_2R_5g_m - R_5R_5g_ms^2 + C_5L_3L_5R_2R_3g_ms^3 + C_5L_3L_5R_2R_3g_ms^3 + C_5L_3L_5R_2R_3g_ms^3 + C_5L_3L_5R_2R_3g_ms^3 + C_5L_3L_5R_2R_3g_ms^3 + C_5L_3L_5R_2R_3g_ms^3 + C_5L_3L_5R_2s^3 + C_5L_5R_2s^3 +$$

10.65 INVALID-ORDER-65 $Z(s) = \left(\infty, \ R_2, \ \frac{L_3R_{3s}}{C_3L_3R_3s^2 + L_3s + R_3}, \ \infty, \ \frac{R_5\left(C_5L_5s^2 + 1\right)}{C_5L_5s^2 + C_5R_5s + 1}, \ \infty\right)$

$$H(s) = \frac{L_3 R_3 s \left(C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_5 s^2 - C_5 R_2 R_5 s + R_2 R_5 g_m - R_2 R_5 g_m s^2 + C_5 L_3 R_2 R_3 R_5 g_m s^4 + C_3 C_5 L_3 L_5 R_2 R_3 R_5 g_m s^4 + C_3 C_5 L_3 L_5 R_2 R_3 R_5 g_m s^4 + C_3 C_5 L_3 L_5 R_2 R_3 R_5 g_m s^2 + C_3 L_3 R_2 R_3 R_5 g_m s^3 + C_5 L_3 L_5 R_2 R_3 g_m s^3 + C_5 L_3 L_5 R_3 g_m s^3 + C_5 L_5 R_5 g_m s^3 +$$

10.66 INVALID-ORDER-66 $Z(s) = \left(\infty, R_2, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{1}{C_5s}, \infty\right)$

$$H(s) = \frac{\left(-C_5R_2s + R_2g_m + 1\right)\left(C_3L_3R_3s^2 + L_3s + R_3\right)}{2C_3C_5L_3R_2g_ms^3 + C_3C_5L_3R_2s^3 + 4C_3C_5L_3R_3s^3 + C_3L_3R_2g_ms^2 + 2C_5L_3R_2g_ms^2 + 4C_5L_3s^2 + 2C_5R_2R_3g_ms + C_5R_2s + 4C_5R_3s + R_2g_m + 1}$$

10.67 INVALID-ORDER-67 $Z(s) = \left(\infty, R_2, \frac{L_{3s}}{C_3L_3s^2+1} + R_3, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$

$$H(s) = -\frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_5R_2R_5s - R_2R_5g_m + R_2 - R_5\right)}{2C_3C_5L_3R_2R_3g_ms^3 + C_3C_5L_3R_2R_5g_ms^3 + 4C_3C_5L_3R_2R_5g_ms^2 + 4C_3L_3R_2S^2 + 4C_3L_3R_2S^2 + 4C_5L_3R_5s^2 + 2C_5L_3R_2S^2 + 4C_5L_3R_5s^2 + 2C_5R_2R_3R_5g_ms + C_5R_2R_5s + 4C_5R_3R_5s + 2L_3R_2g_ms + 4L_3s + 2R_2R_3g_m + R_2R_3g_ms + 2L_3R_3g_ms + 2L_3R_3g$$

10.68 INVALID-ORDER-68 $Z(s) = \left(\infty, \ R_2, \ \frac{L_{3s}}{C_3L_3s^2+1} + R_3, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty \right)$ $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3 \right) \left(C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1 \right)}{2C_3C_5L_3R_2R_3g_ms^3 + C_3C_5L_3R_2R_5g_ms^3 + C_3C_5L_3R_2s^3 + 4C_3C_5L_3R_3s^3 + C_3C_5L_3R_5s^3 + C_3L_3R_2g_ms^2 + 2C_5L_3R_2g_ms^2 + 4C_5L_3s^2 + 2C_5R_2R_3g_ms + C_5R_2s + 4C_5R_3s + C_5R_2s + C_5R$

 $\left(C_3 L_3 R_3 s^2 + L_3 s + R_3 \right) \left(C_5 L_5 R_2 s^2 - L_5 R_2 g_m s - L_5 s + R_2 \right) \\ = -\frac{\left(C_3 L_3 R_3 s^2 + L_3 s + R_3 \right) \left(C_5 L_5 R_2 s^2 - L_5 R_2 g_m s - L_5 s + R_2 \right)}{2 C_3 C_5 L_3 L_5 R_2 g_m s^4 + C_3 C_5 L_3 L_5 R_2 s^4 + 4 C_3 C_5 L_3 L_5 R_3 s^4 + C_3 L_3 L_5 s^3 + 2 C_5 L_3 L_5 R_2 g_m s^3 + 4 C_5 L_3 L_5 s^3 + 2 C_5 L_5 R_2 g_m s^3 + 4 C_5 L_5 R_2 s^2 + 4 C$

10.71 INVALID-ORDER-71 $Z(s) = \left(\infty, R_2, \frac{L_{3s}}{C_3L_3s^2+1} + R_3, \infty, L_5s + R_5 + \frac{1}{C_5s}, \infty\right)$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2s + C_5R$

10.72 INVALID-ORDER-72 $Z(s) = \left(\infty, R_2, \frac{L_{3s}}{C_2L_{2s}s^2+1} + R_3, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)$

 $H(s) = -\frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_5L_5R_2R_5s^2 - L_5R_2R_5g_ms + L_5R_2s - L_5R_2g_ms + L_5R_2s - L_5R_2R_5g_ms + L_5R_2s - L_5R_2g_ms + L$

10.73 INVALID-ORDER-73 $Z(s) = \left(\infty, R_2, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)$

 $H(s) = \frac{\left(C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}\right)\left(C_{5}L_{5}R_{2}R_{5}g_{m}s^{2} - C_{5}L_{5}R_{2}s^{2} + C_{5}L_{5}R_{5}s^{2} + L_{5}R_{2}g_{m}s + L_{5}s + R_{2}R_{5}g_{m} - R_{2} + R_{5}\right)}{2C_{3}C_{5}L_{3}L_{5}R_{2}g_{m}s^{4} + C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + 4C_{3}C_{5}L_{3}L_{5}R_{3}s^{4} + C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + 4C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + 4C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + 4C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + 4C_{3}L_{3}L_{5}R_{2}s^{4} + 4C_{3}L_{3}L_{$

10.74 INVALID-ORDER-74 $Z(s) = \left(\infty, R_2, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_5L_5R_2R_5g_ms^2 - C_5L_5R_2s^2 + C_5$

10.75 INVALID-ORDER-75 $Z(s) = \left(\infty, R_2, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{1}{C_5s}, \infty\right)$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(-C_5 R_2 s + R_2 g_m + 1\right)}{2 C_3 C_5 L_3 R_2 g_m s^3 + C_3 C_5 L_3 R_2 s^3 + 4 C_3 C_5 L_3 R_3 s^3 + C_3 C_5 R_2 R_3 s^2 + C_3 L_3 R_2 g_m s^2 + C_3 L_3 s^2 + C_3 R_3 g_m s + C_3 R_3 s + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$

10.76 INVALID-ORDER-76 $Z(s) = \left(\infty, R_2, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$

 $H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_5 R_2 R_5 s - R_2 R_5 g_m + R_2 - R_5\right)}{2 C_3 C_5 L_3 R_2 R_3 R_5 g_m s^3 + C_3 C_5 L_3 R_2 R_5 s^3 + 4 C_3 C_5 L_3 R_3 R_5 s^3 + C_3 C_5 R_2 R_3 R_5 s^2 + 2 C_3 L_3 R_2 R_5 g_m s^2 + C_3 L_3 R_2 s^2 + 4 C_3 L_3 R_5 s^2 + C_3 L_3 R_5 s^2 + C_3 R_2 R_3 R_5 g_m s + C_3 R_2 R_3 R_5 g_m s + C_5 R_2 R_3 R_5 g_m s + C_5 R_2 R_5 s + 4 C_5 R_3 R_5 s + 2 C_5 R_2 R_3 R_5 g_m s + C_5 R_2 R_5 s + 4 C_5 R_3 R_5 s + 2 C_5 R_2 R_3 R_5 g_m s + C_5 R_2 R_5 g_m s + C_5 R$

10.79 INVALID-ORDER-79
$$Z(s) = \left(\infty, \ R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$$

 $H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_5 L_5 R_2 s^2 - L_5 R_2 g_m s - L_5 s + R_2\right)}{2 C_3 C_5 L_3 L_5 R_2 g_m s^4 + C_3 C_5 L_3 L_5 R_2 s^4 + 4 C_3 C_5 L_3 L_5 R_3 s^4 + C_3 C_5 L_5 R_2 g_m s^3 + C_3 L_3 L_5 g_m s^3 + C_3 L_3 L_5 g_m s^2 + C_3 L_3 R_2 s^2 + 4 C_3 L_3 R_2 s^2 + 4 C_3 L_3 R_2 s^2 + C_3 L_5 R_3 g_m s^2 + C_3 L_5 R_3 g_m s^2 + C_5 L_5 R_2 g_m s^2 + C_5 L_5$

10.80 INVALID-ORDER-80
$$Z(s) = \left(\infty, \ R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ L_5s+R_5+\frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1 \right)}{C_3 C_5 L_3 L_5 R_2 g_m s^4 + C_3 C_5 L_3 R_2 g_m s^3 + C_3 C_5 R_2 R_3 g_m s^3 + C_3 C_5 R_3 R_3 g_m s^3 + C_3 C_5$

10.81 INVALID-ORDER-81
$$Z(s) = \left(\infty, \ R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$$

 $H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_5 L_5 R_2 R_5 s^2 - L_5 R_2 R_5 g_m s + L_5 R_2 s - L_5 R_5 s + L_5 R_2 s - L_5 R_5 s + L_5 R_2 R_3 R_5 g_m s^3 + C_3 L_3 L_5 R_2 R_3 g_m s^3 + C_3 L_3 L_5 R_3 g_m s^3 + C_3 L_5 R_5 g_$

10.82 INVALID-ORDER-82
$$Z(s) = \left(\infty, \ R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$$

10.83 INVALID-ORDER-83
$$Z(s) = \left(\infty, \ R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_4 L_5 R_2 R_5 g_m s^2 - C_5 L_4 L_5 R_2 R_5 g_m s^2 - C_5 L_4 R_5 R_5 R_2 R_3 g_m s^3 + C_3 C_5 L_3 L_5 R_2 R_3 g_m s^3 + C_3 C_5 L_3 R_2 R_3 R_5 g_m s^3 + C_3 C_5 L_5 R_2 R_5 g_m s^3 + C_3 C_5 L_5 R_5 g_m s^3 + C_5$

10.84 INVALID-ORDER-84 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, R_5, \infty\right)$

$$H(s) = \frac{R_3 (C_2 R_5 s + R_5 g_m - 1)}{4C_2 R_3 s + C_2 R_5 s + 2R_3 g_m + R_5 g_m + 1}$$

10.85 INVALID-ORDER-85 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 s^3 + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m \right)}{C_2 C_5 L_5 s^3 + 4 C_2 C_5 R_3 s^2 + C_2 s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 s + g_m}$$

10.86 INVALID-ORDER-86 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 L_5 s^2 - C_5 L_5 s^2 + L_5 g_m s - 1 \right)}{4 C_2 C_5 L_5 R_3 s^3 + C_2 L_5 s^2 + 4 C_2 R_3 s + 2 C_5 L_5 R_3 g_m s^2 + C_5 L_5 s^2 + L_5 g_m s + 2 R_3 g_m + 1}$$

10.87 INVALID-ORDER-87 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 s^3 + C_2 C_5 R_5 s^2 + C_2 s + C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_5 L_5 s^3 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 R_5 g_m s + C_5 s + g_m}$$

10.88 INVALID-ORDER-88 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 L_5 R_5 s^2 - C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5\right)}{4 C_2 C_5 L_5 R_3 R_5 s^3 + 4 C_2 L_5 R_3 s^2 + C_2 L_5 R_5 s^2 + 4 C_2 R_3 R_5 s + 2 C_5 L_5 R_3 R_5 g_m s^2 + C_5 L_5 R_5 s^2 + 2 L_5 R_3 g_m s + L_5 R_5 g_m s + L_5 s + 2 R_3 R_5 g_m + R_5}$$

10.89 INVALID-ORDER-89 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_5 s^3 + C_2 L_5 s^2 + C_2 R_5 s + C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m - 1 \right)}{4 C_2 C_5 L_5 R_3 s^3 + C_2 C_5 L_5 R_5 s^3 + C_2 L_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + 2 C_5 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m s^2 + C_5 L_5 s^2 + L_5 g_m s + 2 R_3 g_m + R_5 g_m + 1}$$

10.90 INVALID-ORDER-90 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_5 s^3 + C_2 R_5 s + C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 - C_5 R_5 s + R_5 g_m - 1 \right)}{4 C_2 C_5 L_5 R_3 s^3 + C_2 C_5 L_5 R_5 s^3 + 4 C_2 C_5 R_3 R_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + 2 C_5 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_3 R_5 g_m s + C_5 R_5 s + 2 R_3 g_m + R_5 g_m + 1}$$

10.91 INVALID-ORDER-91 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2s - C_5s + g_m}{s(C_2C_3s + 4C_2C_5s + C_3C_5s + C_3g_m + 2C_5g_m)}$$

10.92 INVALID-ORDER-92 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5R_5s^2 + C_2s + C_5R_5g_ms - C_5s + g_m}{s\left(C_2C_3C_5R_5s^2 + C_2C_3s + 4C_2C_5s + C_3C_5R_5g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.93 INVALID-ORDER-93 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5s^3 + C_2s + C_5L_5g_ms^2 - C_5s + g_m}{s(C_2C_3C_5L_5s^3 + C_2C_3s + 4C_2C_5s + C_3C_5L_5g_ms^2 + C_3C_5s + C_3g_m + 2C_5g_m)}$$

10.94 INVALID-ORDER-94 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1}{C_2C_3L_5s^3 + 4C_2C_5L_5s^3 + 4C_2s + C_3C_5L_5s^3 + C_3L_5q_ms^2 + C_3s + 2C_5L_5q_ms^2 + 2q_ms^2}$$

10.95 INVALID-ORDER-95 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5s^3 + C_2C_5R_5s^2 + C_2s + C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m}{s \cdot (C_2C_3C_5L_5s^3 + C_2C_3C_5R_5s^2 + C_2C_3s + 4C_2C_5s + C_3C_5L_5g_ms^2 + C_3C_5R_5g_ms + C_3C_5s + C_3g_m + 2C_5g_m)}$$

10.96 INVALID-ORDER-96 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

$$H(s) = \frac{C_2L_5R_5s^2 - C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5}{C_2C_3L_5R_5s^3 + 4C_2C_5L_5R_5s^3 + 4C_2L_5s^2 + 4C_2R_5s + C_3C_5L_5R_5s^3 + C_3L_5R_5g_ms^2 + C_3L_5s^2 + C_3R_5s + 2C_5L_5R_5g_ms^2 + 2L_5g_ms + 2R_5g_ms^2 + 2C_5L_5R_5g_ms^2 + 2C_5L_5R_5g_m$$

10.97 INVALID-ORDER-97 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_5s^3 + C_2L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1}{C_2C_3C_5L_5R_5s^4 + C_2C_3L_5s^3 + C_2C_3R_5s^2 + 4C_2C_5L_5s^3 + 4C_2s + C_3C_5L_5R_5g_ms^3 + C_3C_5L_5s^3 + C_3L_5g_ms^2 + C_3R_5g_ms + C_3s + 2C_5L_5g_ms^2 + 2g_ms^3 + C_3C_5L_5s^3 + C$$

10.98 INVALID-ORDER-98 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_5s^3 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1}{C_2C_3C_5L_5R_5s^4 + C_2C_3R_5s^2 + 4C_2C_5L_5s^3 + 4C_2C_5R_5s^2 + 4C_2s + C_3C_5L_5R_5g_ms^3 + C_3C_5L_5s^3 + C_3C_5R_5s^2 + C_3R_5g_ms + C_3s + 2C_5L_5g_ms^2 + 2C_5R_5g_ms + 2g_ms^2 + 2C_5R_5g_ms^2 + 2C_5R_5g$$

10.99 INVALID-ORDER-99 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 R_5 s^2 + C_2 s + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_3 C_5 R_3 R_5 s^3 + C_2 C_3 R_3 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 s + C_3 C_5 R_3 R_5 g_m s^2 + C_3 C_5 R_3 g_m s + 2 C_5 R_3 g_m s + C_5 R_5 g_m s + C_5 s + g_m r^2 + C_5 R_5 g_m r^2 +$$

10.100 INVALID-ORDER-100 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 s^3 + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m \right)}{C_2 C_3 C_5 L_5 R_3 s^4 + C_2 C_3 R_3 s^2 + C_2 C_5 L_5 s^3 + 4 C_2 C_5 R_3 s^2 + C_2 s + C_3 C_5 L_5 R_3 g_m s^3 + C_3 C_5 R_3 s^2 + C_3 R_3 g_m s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 s + g_m r^2 + 2 C_5 R_3 r^2 + 2 C_$$

10.101 INVALID-ORDER-101 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 L_5 s^2 - C_5 L_5 s^2 + L_5 g_m s - 1\right)}{C_2 C_3 L_5 R_3 s^3 + 4 C_2 C_5 L_5 R_3 s^3 + C_2 L_5 s^2 + 4 C_2 R_3 s + C_3 C_5 L_5 R_3 s^3 + C_3 L_5 R_3 g_m s^2 + C_3 L_5 R_3 g_m s^2 + C_5 L_5 s^2 + L_5 g_m s + 2 R_3 g_m + 1}$$

10.102 INVALID-ORDER-102 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 s^3 + C_2 C_5 R_5 s^2 + C_2 s + C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_3 C_5 L_5 R_3 s^4 + C_2 C_3 C_5 R_3 R_5 s^3 + C_2 C_5 R_3 s^2 + C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 s + C_3 C_5 L_5 R_3 g_m s^3 + C_3 C_5 R_3 R_5 g_m s^2 + C_3 C_5 R_3 g_m s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 R_5 g_m s +$$

10.103 INVALID-ORDER-103 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 L_5 R_5 s^2 - C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5 \right)}{C_2 C_3 L_5 R_3 R_5 s^3 + 4 C_2 C_5 L_5 R_3 R_5 s^3 + 4 C_2 L_5 R_3 s^2 + C_2 L_5 R_5 s^2 + 4 C_2 R_3 R_5 s + C_3 L_5 R_3 R_5 s^3 + C_3 L_5 R_3 R_5 s^2 + C_3 L_5 R_3 R_5 s^2 + C_5 L_5 R_3 R_5 g_m s^2 + C_5 L_5 R_5 g_m s^2 + C_5$$

10.104 INVALID-ORDER-104 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_5 s^3 + C_2 L_5 s^2 + C_2 R_5 s + C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m - 1 \right)}{C_2 C_3 C_5 L_5 R_3 R_5 s^4 + C_2 C_3 L_5 R_3 s^3 + C_2 C_5 L_5 R_3 s^3 + C_2 L_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + C_3 C_5 L_5 R_3 g_m s^3 + C_3 C_5 L_5 R_3 g_m s^2 + C_3 R_3 R_5 g_m s^2 + C_5 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m s^2 + C_5 L_5 R_5$

10.105 INVALID-ORDER-105 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_5 s^3 + C_2 R_5 s + C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 - C_5 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 C_5 L_5 R_3 R_5 s^4 + C_2 C_3 R_3 R_5 s^2 + 4 C_2 C_5 L_5 R_3 s^3 + C_2 C_5 L_5 R_3 s^3 + C_3 C_5 L_5 R_3 R_5 g_m s^3 + C_3 C_5 L_5 R_3 R_5 g_m s + C_3 R_3 R_5 g_m s + C_5 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m$

10.106 INVALID-ORDER-106 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{\left(C_3 R_3 s + 1\right) \left(C_2 s - C_5 s + g_m\right)}{s \left(4 C_2 C_3 C_5 R_3 s^2 + C_2 C_3 s + 4 C_2 C_5 s + 2 C_3 C_5 R_3 g_m s + C_3 C_5 s + C_3 g_m + 2 C_5 g_m\right)}$$

10.107 INVALID-ORDER-107 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}R_{5}s-C_{5}R_{5}s+R_{5}g_{m}-1\right)}{4C_{2}C_{3}C_{5}R_{3}R_{5}s^{3}+4C_{2}C_{3}R_{3}s^{2}+C_{2}C_{3}R_{5}s^{2}+4C_{2}C_{5}R_{5}s^{2}+4C_{2}s+2C_{3}C_{5}R_{3}R_{5}g_{m}s^{2}+C_{3}C_{5}R_{5}s^{2}+2C_{3}R_{3}g_{m}s+C_{3}R_{5}g_{m}s+C_{3}s+2C_{5}R_{5}g_{m}s+2g_{m}s+2G_{5}R_{5}g_{m}s+2G_{$$

10.108 INVALID-ORDER-108 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}R_{5}s^{2}+C_{2}s+C_{5}R_{5}g_{m}s-C_{5}s+g_{m}\right)}{s\left(4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}C_{5}R_{5}s^{2}+C_{2}C_{3}s+4C_{2}C_{5}s+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}s+C_{3}g_{m}+2C_{5}g_{m}\right)}$$

10.109 INVALID-ORDER-109 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}s^{3}+C_{2}s+C_{5}L_{5}g_{m}s^{2}-C_{5}s+g_{m}\right)}{s\left(C_{2}C_{3}C_{5}L_{5}s^{3}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}s+4C_{2}C_{5}s+C_{3}C_{5}L_{5}g_{m}s^{2}+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}s+C_{3}g_{m}+2C_{5}g_{m}\right)}$$

10.110 INVALID-ORDER-110 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}L_{5}s^{2}-C_{5}L_{5}s^{2}+L_{5}g_{m}s-1\right)}{4C_{2}C_{3}C_{5}L_{5}R_{3}s^{4}+C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{5}L_{5}s^{3}+4C_{2}s+2C_{3}C_{5}L_{5}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}L_{5}g_{m}s^{2}+2C_{3}R_{3}g_{m}s+C_{3}s+2C_{5}L_{5}g_{m}s^{2}+2g_{m}s+2G_{5}L_{5}g_{m}s+2G_{5}L_{$$

10.111 INVALID-ORDER-111 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}s^{3}+C_{2}C_{5}R_{5}s^{2}+C_{2}s+C_{5}L_{5}g_{m}s^{2}+C_{5}R_{5}g_{m}s-C_{5}s+g_{m}\right)}{s\left(C_{2}C_{3}C_{5}L_{5}s^{3}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}C_{5}R_{5}s^{2}+C_{2}C_{3}s+4C_{2}C_{5}s+C_{3}C_{5}L_{5}g_{m}s^{2}+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}s+C_{3}g_{m}+2C_{5}g_{m}\right)}$$

10.112 INVALID-ORDER-112 $Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

$$H(s) = -\frac{\left(C_{3}R_{3}s+1\right)\left(-C_{2}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}-L_{5}R_{5}g_{m}s+L_{5}s+R_{5}\right)}{4C_{2}C_{3}C_{5}L_{5}R_{3}s^{3}+C_{2}C_{3}L_{5}R_{5}s^{3}+4C_{2}C_{3}R_{3}R_{5}s^{2}+4C_{2}C_{5}L_{5}R_{5}s^{3}+4C_{2}C_{5}L_{5}R_$$

10.113 INVALID-ORDER-113
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{5}s^{3}+C_{2}L_{5}s^{2}+C_{2}R_{5}s+C_{5}L_{5}R_{5}g_{m}s^{2}-C_{5}L_{5}s^{2}+L_{5}g_{m}s+R_{5}g_{m}-1\right)}{4C_{2}C_{3}C_{5}L_{5}R_{3}s^{4}+C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}R_{5}s^{2}+4C_{2}C_{5}L_{5}s^{3}+4C_{2}s+2C_{3}C_{5}L_{5}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}R_{5}g_{m}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}L_{5}g_{m}s^{2}+2C_{3}R_{3}g_{m}s+C_{3}R_{5}g_{m}$$

10.114 INVALID-ORDER-114
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{5}s^{3}+C_{2}R_{5}s+C_{5}L_{5}R_{5}g_{m}s^{2}-C_{5}L_{5}s^{2}-C_{5}R_{5}s+R_{5}g_{m}-1\right)}{4C_{2}C_{3}C_{5}L_{5}R_{3}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{3}s^{4}+C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}R_{5}s^{2}+4C_{2}C_{5}L_{5}s^{3}+4C_{2}C_{5}L_{5}$$

10.115 INVALID-ORDER-115
$$Z(s) = \left(\infty, \frac{1}{C_{2s}}, L_3 s + \frac{1}{C_{3s}}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2R_5s + R_5g_m - 1\right)}{4C_2C_3L_3s^3 + C_2C_3R_5s^2 + 4C_2s + 2C_3L_3g_ms^2 + C_3R_5g_ms + C_3s + 2g_m}$$

10.116 INVALID-ORDER-116
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2s - C_5s + g_m\right)}{s\left(4C_2C_3C_5L_3s^3 + C_2C_3s + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.117 INVALID-ORDER-117
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2R_5s - C_5R_5s + R_5g_m - 1\right)}{4C_2C_3C_5L_3R_5s^4 + 4C_2C_3L_3s^3 + C_2C_3R_5s^2 + 4C_2S_5R_5s^2 + 4C_2s + 2C_3C_5L_3R_5q_ms^3 + C_3C_5R_5s^2 + 2C_3L_3q_ms^2 + C_3R_5q_ms + C_3s + 2C_5R_5q_ms + 2q_ms^2 + 2C_3L_3q_ms^2 + 2C_3L_3q_ms^2 + 2C_3L_3q_ms^2 + 2C_3R_5q_ms + 2c_3R_5q_m$$

10.118 INVALID-ORDER-118
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5R_5s^2 + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{s\left(4C_2C_3C_5L_3s^3 + C_2C_3C_5R_5s^2 + C_2C_3s + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5R_5g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.119 INVALID-ORDER-119
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5s^3 + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(4C_2C_3C_5L_3s^3 + C_2C_3C_5L_5s^3 + C_2C_3s + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5L_5g_ms^2 + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.120 INVALID-ORDER-120
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1\right)}{4C_2C_3C_5L_3L_5s^5 + 4C_2C_3L_3s^3 + C_2C_3L_5s^3 + 4C_2C_5L_5s^3 + 4C_2s + 2C_3C_5L_3L_5g_ms^4 + C_3C_5L_5s^3 + 2C_3L_3g_ms^2 + C_3L_5g_ms^2 + C_3s + 2C_5L_5g_ms^2 + 2g_ms^2 +$$

10.121 INVALID-ORDER-121
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5s^3 + C_2C_5R_5s^2 + C_2s + C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{s\left(4C_2C_3C_5L_3s^3 + C_2C_3C_5L_5s^3 + C_2C_3C_5R_5s^2 + C_2C_3s + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5L_5g_ms^2 + C_3C_5R_5g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.122 INVALID-ORDER-122 $Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

 $H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(-C_2L_5R_5s^2 + C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5\right)}{4C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3L_3L_5s^4 + 4C_2C_3L_5R_5s^3 + 4C_2C_5L_5R_5s^3 + 4C_2L_5s^2 + 4C_2R_5s + 2C_3C_5L_3L_5R_5g_ms^4 + C_3C_5L_3R_5g_ms^3 + 2C_3L_3R_5g_ms^2 + C_3L_5R_5g_ms^2 + C_3L_5R_5g_ms^2 + C_3L_5R_5g_ms^2 + 2C_3L_5R_5g_ms^2 + 2C_$

10.123 INVALID-ORDER-123 $Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_5s^3 + C_2L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{4C_2C_3C_5L_3L_5s^5 + C_2C_3C_5L_5R_5s^4 + 4C_2C_3L_5s^3 + C_2C_3L_5s^3 + 4C_2s + 2C_3C_5L_3L_5g_ms^4 + C_3C_5L_5s^3 + 2C_3L_5g_ms^2 + C_3L_5g_ms^2 + C_$

10.124 INVALID-ORDER-124 $Z(s) = \left(\infty, \ \frac{1}{C_2 s}, \ L_3 s + \frac{1}{C_3 s}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$

 $H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_5s^3 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{4C_2C_3C_5L_3L_5s^5 + 4C_2C_3C_5L_3R_5s^4 + C_2C_3C_5L_3s^3 + C_2C_3R_5s^2 + 4C_2S + 2C_3C_5L_3R_5g_ms^3 + C_3C_5L_5R_5g_ms^3 + C_3C_5L_5s^3 + 4C_2C_3L_3g_ms^2 + C_3R_5g_ms^3 + C_3C_5L_5s^3 + C_$

10.125 INVALID-ORDER-125 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, R_5, \infty\right)$

$$H(s) = \frac{L_3s \left(C_2 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 L_3 R_5 s^3 + 4 C_2 L_3 s^2 + C_2 R_5 s + C_3 L_3 R_5 g_m s^2 + C_3 L_3 s^2 + 2 L_3 g_m s + R_5 g_m + 1}$$

10.126 INVALID-ORDER-126 $Z(s) = \left(\infty, \ \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)$

$$H(s) = \frac{L_3s \left(C_2s - C_5s + g_m \right)}{C_2C_3L_3s^3 + 4C_2C_5L_3s^3 + C_2s + C_3C_5L_3s^3 + C_3L_3g_ms^2 + 2C_5L_3g_ms^2 + C_5s + g_m}$$

10.127 INVALID-ORDER-127 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{L_3s\left(C_2R_5s - C_5R_5s + R_5g_m - 1\right)}{C_2C_3L_3R_5s^3 + 4C_2C_5L_3R_5s^3 + 4C_2L_3s^2 + C_2R_5s + C_3C_5L_3R_5s^3 + C_3L_3R_5g_ms^2 + C_3L_3s^2 + 2C_5L_3R_5g_ms^2 + C_5R_5s + 2L_3g_ms + R_5g_m + 1}$$

10.128 INVALID-ORDER-128 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{L_3s\left(C_2C_5R_5s^2 + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{C_2C_3C_5L_3R_5s^4 + C_2C_3L_3s^3 + 4C_2C_5L_3s^3 + C_2C_5R_5s^2 + C_2s + C_3C_5L_3R_5g_ms^3 + C_3C_5L_3s^3 + C_3L_3g_ms^2 + 2C_5L_3g_ms^2 + C_5R_5g_ms + C_5s + g_m}$$

10.129 INVALID-ORDER-129 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{L_3s\left(C_2C_5L_5s^3 + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{C_2C_3C_5L_3L_5s^5 + C_2C_3L_3s^3 + 4C_2C_5L_3s^3 + C_2S_5L_5s^3 + C_2S_5L_3L_5g_ms^4 + C_3C_5L_3s^3 + C_3L_3g_ms^2 + 2C_5L_3g_ms^2 + C_5S_5g_ms^2 +$$

10.130 INVALID-ORDER-130 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{L_{3}s\left(C_{2}L_{5}s^{2} - C_{5}L_{5}s^{2} + L_{5}g_{m}s - 1\right)}{C_{2}C_{3}L_{3}L_{5}s^{4} + 4C_{2}C_{5}L_{3}L_{5}s^{4} + 4C_{2}L_{3}s^{2} + C_{2}L_{5}s^{2} + C_{3}C_{5}L_{3}L_{5}s^{4} + C_{3}L_{3}L_{5}g_{m}s^{3} + C_{3}L_{3}s^{2} + 2C_{5}L_{3}L_{5}g_{m}s^{3} + C_{5}L_{5}s^{2} + 2L_{3}g_{m}s + L_{5}g_{m}s + 1}$$

10.131 INVALID-ORDER-131
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}R_{5}s^{2} + C_{2}s + C_{5}L_{5}g_{m}s^{2} + C_{5}R_{5}g_{m}s - C_{5}s + g_{m}\right)}{C_{2}C_{3}C_{5}L_{3}L_{5}s^{5} + C_{2}C_{3}C_{5}L_{3}R_{5}s^{4} + C_{2}C_{5}L_{3}s^{3} + 4C_{2}C_{5}L_{3}s^{3} + C_{2}C_{5}R_{5}s^{2} + C_{2}s + C_{3}C_{5}L_{3}L_{5}g_{m}s^{4} + C_{3}C_{5}L_{3}s^{3} + C_{3}L_{3}g_{m}s^{2} + 2C_{5}L_{3}g_{m}s^{2} + C_{5}L_{5}g_{m}s^{2} + C_{5}R_{5}g_{m}s + C_{5}S_{5}g_{m}s + C_{5}S_$$

10.132 INVALID-ORDER-132
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{2}L_{5}R_{5}s^{2} - C_{5}L_{5}R_{5}s^{2} + L_{5}R_{5}g_{m}s - L_{5}s - R_{5}\right)}{C_{2}C_{3}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}s^{3} + 4C_{2}L_{3}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{2} + C_{3}L_{5}L_{5}R_{5}s^{4} + C_{3}L_{3}L_{5}R_{5}g_{m}s^{3} + C_{3}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{4} + C_{3}L_{3}L_{5}R_{5}g_{m}s^{3} + C_{3}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}S^{3} + 4C_{2}L_{3}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{2} + C_{3}L_{3}L_{5}R_{5}s^{4} + C_{3}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}S^{3} + 4C_{2}L_{3}R_{5}s^{2} + C_{3}L_{5}R_{5}s^{4} + C_{3}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}S^{3} + 4C_{2}L_{3}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{2} + C_{3}L_{3}L_{5}R_{5}s^{4} + C_{3}L_{3}L_{5}R_{5}s^{4} + 4C_{2}L_{3}L_{5}S^{3} + 4C_{2}L_{3}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{2} + C_{3}L_{5}R_{5}s^{4} + C_{3}L_{3}L_{5}R_{5}s^{4} + C_{3}L_{5}R_{5}s^{4} + C_$$

10.133 INVALID-ORDER-133
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}R_{5}s^{3} + C_{2}L_{5}s^{2} + C_{2}R_{5}s + C_{5}L_{5}R_{5}g_{m}s^{2} - C_{5}L_{5}s^{2} + L_{5}g_{m}s + R_{5}g_{m} - 1\right)}{C_{2}C_{3}C_{5}L_{3}L_{5}S^{4} + C_{2}C_{3}L_{3}R_{5}s^{3} + 4C_{2}C_{5}L_{3}L_{5}s^{4} + C_{2}C_{5}L_{5}R_{5}s^{3} + 4C_{2}L_{3}s^{2} + C_{2}L_{5}s^{2} + C_{2}R_{5}s + C_{3}C_{5}L_{3}L_{5}g_{m}s^{4} + C_{3}C_{5}L_{3}L_{5}g_{m}s^{3} + C_{3}L_{3}S_{g}ms^{3} + C_{5}L_{5}S_{g}ms^{3} + C_{5}L_{5}S_{g}ms^{2} + C_{5}L_{5}S_{g}ms^{2}$$

10.134 INVALID-ORDER-134
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}R_{5}s^{3} + C_{2}R_{5}s + C_{5}L_{5}R_{5}g_{m}s^{2} - C_{5}L_{5}s^{2} - C_{5}R_{5}s + R_{5}g_{m} - 1\right)}{C_{2}C_{3}C_{5}L_{3}L_{5}R_{5}s^{3} + 4C_{2}C_{5}L_{3}L_{5}s^{3} + 4C_{2}C_{5}L_{3}R_{5}s^{3} + 4C_{2}C_{5}L_{3}R_{5}s^{3} + 4C_{2}L_{3}s^{2} + C_{2}R_{5}s + C_{3}C_{5}L_{3}L_{5}R_{5}g_{m}s^{4} + C_{3}C_{5}L_{3}L_{5}g_{m}s^{2} + C_{5}L_{3}R_{5}g_{m}s^{2} + C_{5}L_{5}R_{5}g_{m}s^{2} + C_{5}L_{5}R_{5}g_{m}s^{2}$$

10.135 INVALID-ORDER-135
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{\left(C_2R_5s + R_5g_m - 1\right)\left(C_3L_3s^2 + C_3R_3s + 1\right)}{4C_2C_3L_3s^3 + 4C_2C_3R_3s^2 + C_2C_3R_5s^2 + 4C_2s + 2C_3L_3g_ms^2 + 2C_3R_3g_ms + C_3R_5g_ms + C_3s + 2g_m}$$

10.136 INVALID-ORDER-136
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_{2}s - C_{5}s + g_{m}\right)\left(C_{3}L_{3}s^{2} + C_{3}R_{3}s + 1\right)}{s\left(4C_{2}C_{3}C_{5}L_{3}s^{3} + 4C_{2}C_{3}C_{5}R_{3}s^{2} + C_{2}C_{3}s + 4C_{2}C_{5}s + 2C_{3}C_{5}L_{3}g_{m}s^{2} + 2C_{3}C_{5}R_{3}g_{m}s + C_{3}C_{5}s + C_{3}g_{m} + 2C_{5}g_{m}\right)}$$

10.137 INVALID-ORDER-137
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2R_5s - C_5R_5s + R_5g_m - 1\right)}{4C_2C_3C_5L_3R_5s^4 + 4C_2C_3C_5R_3R_5s^3 + 4C_2C_3R_3s^2 + C_2C_3R_5s^2 + 4C_2s + 2C_3C_5L_3R_5g_ms^3 + 2C_3C_5R_3s^2 + 2C_3L_3g_ms^2 + 2C_3R_3g_ms + C_3R_5g_ms + C_3s + 2C_5R_5g_ms + 2g_ms^2 + 2C_3C_5R_3R_5g_ms^2 + 2C_3C_5R_3R_5g_ms^2 + 2C_3C_5R_3g_ms^2 + 2C_3R_3g_ms + C_3R_5g_ms + 2G_3R_5g_ms^2 + 2C_3R_3g_ms^2 + 2C_3R_3$$

10.138 INVALID-ORDER-138
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5R_5s^2 + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{s\left(4C_2C_3C_5L_3s^3 + 4C_2C_3C_5R_3s^2 + C_2C_3C_5R_5s^2 + C_2C_3s + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + 2C_3C_5R_3g_ms + C_3C_5R_5g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.139 INVALID-ORDER-139
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5s^3 + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(4C_2C_3C_5L_3s^3 + C_2C_3C_5L_5s^3 + 4C_2C_3C_5R_3s^2 + C_2C_3s + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5L_5g_ms^2 + 2C_3C_5R_3g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.140 INVALID-ORDER-140 $Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1\right)}{4C_2C_3C_5L_3L_5s^5 + 4C_2C_3C_5L_5R_3s^4 + 4C_2C_3L_5s^3 + 4C_2C_3L_5s^3 + 4C_2C_5L_5s^3 + 4C_2s + 2C_3C_5L_3L_5g_ms^4 + 2C_3C_5L_5R_3g_ms^3 + C_3C_5L_5s^3 + 2C_3L_3g_ms^2 + 2C_3R_3g_ms + C_3s + 2C_5L_5g_ms^2 + 2G_3C_5L_5g_ms^3 + C_3C_5L_5g_ms^3 + C_3C_5L_$ 10.141 INVALID-ORDER-141 $Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5s^3 + C_2C_5R_5s^2 + C_2s + C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{s\left(4C_2C_3C_5L_2s^3 + C_2C_3C_5L_5s^3 + 4C_2C_3C_5R_3s^2 + C_2C_3C_5R_5s^2 + C_2C_3S + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5L_5g_ms^2 + 2C_3C_5R_3g_ms + C_3C_5R_5g_ms + C_3C_5S + C_3g_m + 2C_5g_m\right)}$ 10.142 INVALID-ORDER-142 $Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$ $(C_3L_3s^2 + C_3R_3s + 1)(-C_2L_5R_5s^2 + C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5)$ $H(s) = -\frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(-C_2L_5R_5s^2 + C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5\right)}{4C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3C_5L_5R_3s^3 + 4C_2C_3L_5R_5s^3 +$ 10.143 INVALID-ORDER-143 $Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5R_5s^3 + C_2L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{4C_2C_3C_5L_3L_5s^5 + 4C_2C_3C_5L_5R_3s^4 + C_2C_3C_5L_5s^3 + 4C_2C_3L_5s^3 + 4C_2C_3L_5s^3 + 4C_2C_3L_5s^3 + 4C_2C_3L_5s^3 + 4C_2S_5L_5S^3 + 4C_2S_5L_5$ **10.144** INVALID-ORDER-144 $Z(s) = \left(\infty, \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$ $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5R_5s^3 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{4C_2C_3C_5L_3L_5s^5 + 4C_2C_3C_5L_3R_5s^4 + 4C_2C_3C_5L_5R_3s^4 + 4C_2C_3C_5$ **10.145** INVALID-ORDER-145 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, R_5, \infty\right)$ $H(s) = \frac{L_3 R_3 s \left(C_2 R_5 s + R_5 g_m - 1\right)}{C_2 C_3 L_3 R_3 R_5 s^3 + 4 C_2 L_3 R_3 s^2 + C_2 L_3 R_5 s^2 + C_2 R_3 R_5 s + C_3 L_3 R_3 R_5 g_m s^2 + C_3 L_3 R_3 s^2 + 2 L_3 R_3 g_m s + L_3 R_5 g_m s + L_3 s + R_3 R_5 g_m + R_3 R_5 g_m s^2 + C_3 L_3 R_3 g_m s^2 + C_3 L_3 R_3 g_m s + L_3 R_5 g_m$ **10.146** INVALID-ORDER-146 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{1}{C_5 s}, \infty\right)$ $H(s) = \frac{L_3 R_3 s \left(C_2 s - C_5 s + g_m\right)}{C_2 C_3 L_3 R_3 s^3 + 4 C_2 C_5 L_3 R_3 s^3 + C_2 L_3 s^2 + C_2 R_3 s + C_3 C_5 L_3 R_3 s^3 + C_3 L_3 R_3 g_m s^2 + 2 C_5 L_3 R_3 g_m s^2 + C_5 L_3 s^2 + C_5 R_3 s + L_3 g_m s + R_3 g_m s^2 + C_5 R_3 s + R_3 g_m s^2 + C_5 R_3 s + R_3 g_m s^2 + R_3 g_$ 10.147 INVALID-ORDER-147 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$ $H(s) = \frac{L_3R_3s\left(C_2R_5s - C_5R_5s + R_5g_m - 1\right)}{C_2C_3L_3R_3R_5s^3 + 4C_2C_5L_3R_3R_5s^3 + 4C_2L_3R_3s^2 + C_2L_3R_5s^2 + C_2R_3R_5s + C_3C_5L_3R_3R_5g_ms^2 + C_3L_3R_3s^2 + 2C_5L_3R_3s^2 + C_5L_3R_5s^2 + C_5R_3R_5s + 2L_3R_3g_ms + L_3R_5g_ms + L_3s + R_3R_5g_m + R_3s^2 + C_5R_3R_5s^2 + C_5R_5R_5s^2 + C_5R_5R_5s^2$ 10.148 INVALID-ORDER-148 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$ $H(s) = \frac{L_3 R_3 s \left(C_2 C_5 R_5 s^2 + C_2 s + C_5 R_5 g_m s - C_5 s + g_m\right)}{C_2 C_3 C_5 L_3 R_3 s^3 + 4 C_2 C_5 L_3 R_3 s^3 + C_2 C_5 L_3 R_5 s^3 + C_2 C_5 R_3 R_5 s^2 + C_2 L_3 s^2 + C_2 R_3 s + C_3 C_5 L_3 R_3 g_m s^3 + C_3 C_5 L_3 R_3 g_m s^2 + 2 C_5 L_3 R_3 g_m s^2 + C_5 L_3 R_5 g_m s + C_5 R_3 R_5 g_m s + C_5 R_5 g_$

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10.149 INVALID-ORDER-149 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                              H(s) = \frac{L_3 R_3 s \left(C_2 C_5 L_5 s^3 + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_2 C_3 C_5 L_3 L_5 R_3 s^5 + C_2 C_3 L_3 R_3 s^3 + C_2 C_5 L_3 R_3 s^3 + C_2 C_5 L_5 R_3 s^3 + C_3 C_5 L_3 L_5 R_3 s^3 + C_3 C_5 L_3 R_3 s^3 + C_5 L_5 R_5 R_5 
10.150 INVALID-ORDER-150 Z(s) = \left(\infty, \ \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)
                                                                                            H(s) = \frac{L_3R_3s\left(C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1\right)}{C_2C_3L_3L_5R_3s^4 + 4C_2C_5L_3L_5R_3s^4 + C_2L_3L_5s^3 + 4C_2L_3R_3s^2 + C_2L_5R_3s^2 + C_3C_5L_3L_5R_3g_ms^3 + C_3L_3L_5R_3g_ms^3 + C_5L_3L_5R_3g_ms^3 + C_5L_3L_5S^3 + C_5L_5S^3 + C_5L_
10.151 INVALID-ORDER-151 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{L_3R_3s\left(C_2C_5L_5s^3 + C_2C_5R_5s^2 + C_2s + C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3R_3s^3 + C_2C_5L_3R_3s^3 + C_2C_5L_3R_3
10.152 INVALID-ORDER-152 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
H(s) = \frac{L_3R_3s\left(C_2L_5R_5s^2 - C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5\right)}{C_2C_3L_3L_5R_3R_5s^4 + 4C_2C_5L_3L_5R_3s^3 + C_2L_3L_5R_3s^3 + C_2L_3L_5R_3s^3 + C_2L_3L_5R_3s^3 + C_3L_3L_5R_3s^3 + C_3L_3L_5R_3s^3 + C_3L_3L_5R_3s^3 + C_5L_3L_5R_3s^3 + C_5L_5R_3s^3 + C_5L_5R_3s^3
10.153 INVALID-ORDER-153 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{L_3R_3s\left(C_2C_5L_5R_5s^3 + C_2L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{C_2C_3C_5L_3L_5R_3s_5^5 + C_2C_3L_3L_5R_3s^4 + C_2C_5L_3L_5R_3s^4 + C_2C_5L_3L_5R_3s
10.154 INVALID-ORDER-154 Z(s) = \left(\infty, \ \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)
H(s) = \frac{L_3R_3s\left(C_2C_5L_5R_5s^3 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{C_2C_3C_5L_3L_5R_3R_5s^5 + C_2C_3L_3R_3R_5s^3 + 4C_2C_5L_3L_5R_3s^4 + C_2C_5L_3R_3s^3 + 4C_2C_5L_3R_3s^3 + 4C_2C_5L_3R_3
10.155 INVALID-ORDER-155 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                    H(s) = \frac{\left(C_2R_5s + R_5g_m - 1\right)\left(C_3L_3R_3s^2 + L_3s + R_3\right)}{4C_2C_3L_3R_3s^3 + C_2C_3L_3R_5s^3 + 4C_2L_3s^2 + 4C_2R_3s + C_2R_5s + 2C_3L_3R_3g_ms^2 + C_3L_3R_5g_ms^2 + C_3L_3s^2 + 2L_3g_ms + 2R_3g_m + R_5g_m + 1C_3R_3s^2 + 2R_3g_ms^2 + 2R_3g_ms^2
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10.156 INVALID-ORDER-156
$$Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{\left(C_2 s - C_5 s + g_m\right) \left(C_3 L_3 R_3 s^2 + L_3 s + R_3\right)}{4C_2 C_3 C_5 L_3 R_3 s^4 + C_2 C_3 L_3 s^3 + 4C_2 C_5 L_3 s^3 + 4C_2 C_5 R_3 s^2 + C_2 s + 2C_3 C_5 L_3 R_3 q_m s^3 + C_3 L_3 q_m s^2 + 2C_5 L_3 q_m s^2 + 2C_5 R_3 q_m s + C_5 s + g_m}$$

$$\textbf{10.157} \quad \textbf{INVALID-ORDER-157} \ Z(s) = \left(\infty, \ \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{R_5}{C_5 R_5 s + 1}, \ \infty \right)$$

$$\left(C_3 L_3 R_3 s^2 + L_3 s + R_3 \right) \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s^3 + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s + L_3 s + R_3 \right) \left(C_3 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)$$

$$\left(C_3 L_3 R_3 s + L_3 s + R_5 R_5 r + R_5 r +$$

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10.158 INVALID-ORDER-158 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
                                                                                H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5R_5s^2 + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{4C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L_3R_5s^4 + C_2C_3L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5R_3s^2 + C_2s + 2C_3C_5L_3R_3g_ms^3 + C_3C_5L_3s^3 + C_3L_3g_ms^2 + 2C_5L_3g_ms^2 + 2C_5R_3g_ms + C_5s + g_m}
10.159 INVALID-ORDER-159 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                                                                                H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_5s^3 + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{C_2C_3C_5L_3L_5s^5 + 4C_2C_3C_5L_3R_3s^4 + C_2C_3L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5R_3s^2 + C_2s + C_3C_5L_3L_5g_ms^4 + 2C_3C_5L_3R_3g_ms^3 + C_3C_5L_3g_ms^2 + 2C_5L_3g_ms^2 + 2C_5R_3g_ms + C_5s + g_m\right)}
10.160 INVALID-ORDER-160 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1\right)}{4C_2C_3C_5L_3L_5R_3s^5 + C_2C_3L_3L_5s^4 + 4C_2C_3L_3R_3s^3 + 4C_2C_5L_5R_3s^3 + 4C_2L_3s^2 + C_2L_5s^2 + 4C_2R_3s + 2C_3L_3L_5g_ms^3 + 2C_3L_3R_3g_ms^2 + C_3L_3s^2 + 2C_5L_3L_5g_ms^3 + 2C_5L_5R_3g_ms^2 + C_5L_5s^2 + 2L_3g_ms + L_5g_ms^3 + 2C_5L_5R_3g_ms^3 + 2C_5L_5R_3g_ms^
10.161 INVALID-ORDER-161 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_5s^3 + C_2C_5R_5s^2 + C_2s + C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{C_2C_3C_5L_3L_5s^5 + 4C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5R_3s^2 + C_2s + C_3C_5L_3L_5g_ms^4 + 2C_3C_5L_3R_3g_ms^3 + C_3C_5L_3R_3g_ms^3 + C_3C_5L_3g_ms^3 +
10.162 INVALID-ORDER-162 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \left(C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}\right)\left(-C_{2}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}-L_{5}R_{5}g_{m}s+L_{5}s+R_{5}s^{2}\right)
                                       \frac{(C_3L_3R_3s^5 + L_3s^4 + R_3)(-C_2L_5R_5s^5 + C_5L_5R_5s^5 - L_5R_5g_ms + L_5s + L_5s_5g_ms 
10.163 INVALID-ORDER-163 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_5R_5s^3 + C_2L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{4C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3L_5R_5s^5 + C_2C_3L_3L_5s^4 + 4C_2C_5L_3L_5s^4 + 4C_2C_5L_5R_3s^3 + C_2C_5L_5R_3s^3 + C_2C_
10.164 INVALID-ORDER-164 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
H(s) = \frac{(C_3L_3R_5s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3L_3R_5s^3 + 4C_2C_5L_3R_5s^3 + 4C_2C_5L_3R_5s
10.165 INVALID-ORDER-165 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, R_5, \infty\right)
                                                                                                                                                                                                           H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 R_5 s + R_5 g_m - 1\right)}{4 C_2 C_3 L_3 R_3 s^3 + C_2 C_3 L_3 R_5 s^3 + C_2 C_3 R_3 R_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + 2 C_3 L_3 R_3 g_m s^2 + C_3 L_3 R_5 g_m s^2 + C_3 L_3 s^2 + C_3 R_3 R_5 g_m s + C_3 R_3 s + 2 R_3 g_m + R_5 g_m + 1}
10.166 INVALID-ORDER-166 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)
```

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 s - C_5 s + g_m\right)}{4 C_2 C_3 C_5 L_3 R_3 s^4 + C_2 C_3 L_3 s^3 + C_2 C_3 R_3 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 s + 2 C_3 C_5 L_3 R_3 g_m s^3 + C_3 C_5 L_3 s^3 + C_3 C_5 R_3 s^2 + C_3 R_3 g_m s + 2 C_5 R_3 g_m s + C_5 s + g_m}$

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H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1\right)}{4 C_2 C_3 C_5 L_3 R_3 R_5 s^4 + 4 C_2 C_3 L_3 R_3 s^3 + C_2 C_3 L_3 R_5 s^3 + 4 C_2 C_5 R_3 R_5 s^2 + 4 C_2 R_3 s + C_2 R_5 s + 2 C_3 C_5 L_3 R_3 R_5 g_m s^3 + C_3 C_5 L_3 R_3 g_m s^2 + C_3 L_3 R_5 g_m s^2 + C_3 L_3 R_5 g_m s + C_3 R_3 R_5 g_m s + C_5 R_5 s + 2 R_3 R_5 g_m s^2 + C_5 R_5 R_5 g_m s^
10.168 INVALID-ORDER-168 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 R_5 s^2 + C_2 s + C_5 R_5 g_m s - C_5 s + g_m \right)}{4 C_2 C_3 C_5 L_3 R_3 s^4 + C_2 C_3 C_5 L_3 R_5 s^4 + C_2 C_3 C_5 R_3 R_5 s^3 + C_2 C_3 R_3 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_3 s^3 + C_3 C_5 L_3 R_5 g_m s^3 + C_3 C_5 L_3 R_5 g_m s^3 + C_3 C_5 R_3 R_5 g_m s^2 + C_3 R_3 g_m s^2 + C_3 R_3 g_m s + 2 C_5 R_3 g_m s + C_5 R_5 g_m s^2 
10.169 INVALID-ORDER-169 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 L_5 s^3 + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m \right)}{C_2 C_3 C_5 L_3 L_5 s^5 + 4 C_2 C_3 C_5 L_3 R_3 s^4 + C_2 C_3 C_5 L_3 s^3 + C_2 C_5 L_5 s^3 + 4 C_2 C_5 R_3 s^2 + C_2 s + C_3 C_5 L_3 R_3 g_m s^3 + C_3 C_5 L_3 R_3 g_m s^3 + C_3 C_5 L_3 
10.170 INVALID-ORDER-170 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 L_5 s^2 - C_5 L_5 s^2 + L_5 g_m s - 1 \right)}{4 C_2 C_3 C_5 L_3 L_5 R_3 s^5 + C_2 C_3 L_3 L_5 s^4 + 4 C_2 C_3 L_5 R_3 s^3 + C_2 C_3 L_5 R_3 s^3 + C_2 L_5 s^2 + 4 C_2 R_3 s + 2 C_3 C_5 L_3 L_5 R_3 g_m s^4 + C_3 C_5 L_5 R_3 s^3 + C_3 L_5 R_3 g_m s^3 + 2 C_3 L_3 R_3 g_m s^2 + C_3 L_5 R_3 g_m s^2 + C_3 L_5 R_3 g_m s^2 + C_5 L_5 s^2 + L_5 g_m s^3 + C_5 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m s^2 + C_5 L_5 R_
10.171 INVALID-ORDER-171 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 L_5 s^3 + C_2 C_5 R_5 s^2 + C_2 s + C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_3 C_5 L_3 L_5 s^5 + 4 C_2 C_3 C_5 L_3 R_3 s^4 + C_2 C_3 C_5 L_3 R_5 s^4 + C_2 C_5 L_5 R_5 r^4 + C_2 C_5 L_5 R_5 
10.172 INVALID-ORDER-172 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(-C_2 L_5 R_5 s^2 + C_5 L_5 R_5 s^2 - L_5 R_5 g_m s + L_5 s + R_5\right)}{4 C_2 C_3 C_5 L_3 L_5 R_3 R_5 s^5 + 4 C_2 C_3 L_3 L_5 R_3 s^4 + C_2 C_3 L_3 L_5 R_3 s^4 + C_2 C_3 L_3 L_5 R_3 s^3 + 4 C_2 C_3 L_5 R_3 R_5 s^3 + 4 C_2 C_3 L_5 R_3 R_5 s^3 + 4 C_2 L_5 R_3 s^2 + C_2 L_5 R_3 s^2 + C_2 L_5 R_3 s^2 + C_2 L_5 R_3 s^3 + C_2 L_5 R_5 s^3 + C_
10.173 INVALID-ORDER-173 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 L_5 R_5 s^3 + C_2 L_5 s^2 + C_2 R_5 s + C_5 L_5 R_5 g_m s^2 - C_5 R_5 g_m s^2 + C_5 R_5 g_
10.174 INVALID-ORDER-174 Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3\left(C_3 L_3 s^2+1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{R_5\left(C_5 L_5 s^2+1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             H(s) = \frac{1}{4C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3C_5L_3R_3R_5s^4 + C_2C_3L_3R_3s^3 + C_2C_3L_3R_5s^3 + 4C_2C_5L_5R_3s^3 + 4C_2C_5L_5R_5s^3 + 4C_
10.175 INVALID-ORDER-175 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, R_3, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       H(s) = \frac{R_3 \left( C_2 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5 \right)}{4 C_2 R_2 R_3 s + C_2 R_2 R_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 + 4 R_3 + R_5}
```

10.167 INVALID-ORDER-167 $Z(s) = \left(\infty, \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

10.176 INVALID-ORDER-176
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 s^3 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 - C_5 R_2 s + R_2 g_m + 1\right)}{C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 R_2 R_3 s^2 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

10.177 INVALID-ORDER-177
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 L_5 R_2 s^2 - C_5 L_5 R_2 s^2 + L_5 R_2 g_m s + L_5 s - R_2 \right)}{4 C_2 C_5 L_5 R_2 s^3 + C_2 L_5 R_2 s^2 + 4 C_2 R_2 R_3 s + 2 C_5 L_5 R_2 R_3 g_m s^2 + C_5 L_5 R_2 s^2 + 4 C_5 L_5 R_3 s^2 + L_5 R_2 g_m s + L_5 s + 2 R_2 R_3 g_m + R_2 + 4 R_3 R_3 g_m s^2 + 2 R_3 R_$$

10.178 INVALID-ORDER-178
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 s^3 + C_2 C_5 R_2 R_5 s^2 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1\right)}{C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 R_2 R_3 s^2 + C_2 C_5 R_2 R_5 s^2 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 R_5 g_m s + C_5 R_2 s + 4 C_5 R_3 s + C_5 R_5 s + R_2 g_m + 1}$$

10.179 INVALID-ORDER-179
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 L_5 R_2 R_5 s^2 - C_5 L_5 R_2 R_5 s^2 + L_5 R_2 R_5 g_m s - L_5 R_2 s + L_5 R_5 s - R_2 R_5 \right)}{4 C_2 C_5 L_5 R_2 R_3 R_5 s^3 + 4 C_2 L_5 R_2 R_3 s^2 + C_2 L_5 R_2 R_3 R_5 s + 2 C_5 L_5 R_2 R_3 R_5 g_m s^2 + C_5 L_5 R_2 R_5 s^2 + 4 C_5 L_5 R_2 R_5 s^2 + 2 L_5 R_2 R_3 g_m s + L_5 R_2 s + 4 L_5 R_3 s + L_5 R_5 s + 2 R_2 R_3 R_5 g_m + R_2 R_5 + 4 R_3 R_5 g_m s^2 + R_3$$

10.180 INVALID-ORDER-180
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 R_5 s^3 + C_2 L_5 R_2 s^2 + C_2 R_2 R_5 s + C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_2 s^2 + L_5 R_2 g_m s + L_5 s + R_2 R_5 g_m - R_2 + R_5 \right)}{4 C_2 C_5 L_5 R_2 R_3 s^3 + C_2 C_5 L_5 R_2 R_5 s^3 + C_2 L_5 R_2 s^2 + 4 C_2 R_2 R_3 s + C_2 R_2 R_5 s + 2 C_5 L_5 R_2 R_3 g_m s^2 + C_5 L_5 R_2 g_m s^2 + C_5 L_5 R_2 s^2 + 4 C_5 L_5 R_3 s^2 + C_5 L_5 R_3 s^2 + L_5 R_2 g_m s + L_5 s + 2 R_2 R_3 g_m + R_2 R_5 g_m + R_2 R_5 g_m + R_2 R_5 g_m + R_3 R_$$

10.181 INVALID-ORDER-181
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 R_5 s^3 + C_2 R_2 R_5 s + C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_2 s^2$$

10.182 INVALID-ORDER-182
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{C_2R_2s - C_5R_2s + R_2g_m + 1}{s\left(C_2C_3R_2s + 4C_2C_5R_2s + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.183 INVALID-ORDER-183
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{C_2C_5R_2R_5s^2 + C_2R_2s + C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1}{s\left(C_2C_3C_5R_2R_5s^2 + C_2C_3R_2s + 4C_2C_5R_2s + C_3C_5R_2R_5g_ms + C_3C_5R_2s + C_3C$$

10.184 INVALID-ORDER-184
$$Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{C_2C_5L_5R_2s^3 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1}{s\left(C_2C_3C_5L_5R_2s^3 + C_2C_3R_2s + 4C_2C_5R_2s + C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}$$

10.185 INVALID-ORDER-185 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{C_2L_5R_2s^2 - C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2}{C_2C_3L_5R_2s^3 + 4C_2C_5L_5R_2s^3 + 4C_2R_2s + C_3C_5L_5R_2s^3 + C_3L_5R_2g_ms^2 + C_3L_5s^2 + C_3R_2s + 2C_5L_5R_2g_ms^2 + 4C_5L_5s^2 + 2R_2g_m + 4C_5L_5s^2 + 2R_5L_5s^2 + 2R_5c^2 + 2$$

10.186 INVALID-ORDER-186 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_2s^3 + C_2C_5R_2R_5s^2 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1}{s\left(C_2C_3C_5L_5R_2s^3 + C_2C_3C_5R_2S + C_2C_3R_2s + 4C_2C_5R_2s + C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5R_2s + C_3C$$

10.187 INVALID-ORDER-187 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)$

$$H(s) = \frac{C_2L_5R_2R_5s^2 - C_5L_5R_2R_5s^2 + L_5R_2S_5g_ms - L_5R_2s + L_5R_5s - R_2R_5}{C_2C_3L_5R_2R_5s^3 + 4C_2C_5L_5R_2S^2 + 4C_2R_2S^2 + 4C_2R_2S^3 + C_3L_5R_2S^3 + C_3L_5R_2S^2 + C_3L_5R_2S^2 + C_3L_5R_2S^2 + C_3L_5R_2S^2 + 2C_5L_5R_2S^2 + 4C_5L_5R_5s^2 + 4C_5L_$$

10.188 INVALID-ORDER-188 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_2R_5s^3 + C_2L_5R_2s^2 + C_2R_2R_5s + C_5L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + L_5R_2g_ms + L_5s + R_2R_5g_m - R_2 + R_5}{C_2C_3C_5L_5R_2s^3 + C_2C_3L_5R_2s^3 + C_2C_3L_5R_2s^3 + C_2C_3L_5R_2s^3 + C_2C_3L_5R_2s^3 + C_3C_5L_5R_2s^3 + C_3C_5L_5R_2s^3 + C_3C_5L_5R_2s^3 + C_3L_5R_2g_ms^2 + C_3L_5s^2 + C_3R_2s^2 + C_$$

10.189 INVALID-ORDER-189 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \infty, \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_2R_5s^3 + C_2R_2R_5s + C_5L_5R_2S_2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_5s^2 - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5}{C_2C_3C_5L_5R_2S^4 + C_2C_3R_2S^2 + 4C_2C_5L_5R_2s^3 + 4C_2C_5R_2S^2 + 4C_2R_2s + C_3C_5L_5R_2s^3 + C_3C_$$

10.190 INVALID-ORDER-190 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 R_2 R_5 s^2 + C_2 R_2 s + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1\right)}{C_2 C_3 C_5 R_2 R_3 R_5 s^3 + C_2 C_3 R_2 R_3 s^2 + 4 C_2 C_5 R_2 R_5 s^2 + C_2 R_2 s + C_3 C_5 R_2 R_3 r_5 s^2 + C_3 C_5 R_2 R_3 g_m s + C_5 R_2 R_3 g_m s + C_5 R_2 R_3 g_m s + C_5 R_2 r_5 g_m s + C_5 R_2 r_5$$

10.191 INVALID-ORDER-191 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, L_5s + \frac{1}{C_5s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 s^3 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 - C_5 R_2 s + R_2 g_m + 1 \right)}{C_2 C_3 C_5 L_5 R_2 R_3 s^4 + C_2 C_3 R_2 R_3 s^2 + C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 R_2 R_3 s^2 + C_2 R_2 s + C_3 C_5 L_5 R_3 s^3 + C_3 C_5 L_5 R_3 s^3 + C_3 C_5 L_5 R_3 s^3 + C_3 C_5 L_5 R_3 g_m s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

10.192 INVALID-ORDER-192 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 L_5 R_2 s^2 - C_5 L_5 R_2 s^2 + L_5 R_2 g_m s + L_5 s - R_2 \right)}{C_2 C_3 L_5 R_2 R_3 s^3 + 4 C_2 C_5 L_5 R_2 R_3 s^3 + C_2 L_5 R_2 s^2 + 4 C_2 R_2 R_3 s + C_3 C_5 L_5 R_2 R_3 g_m s^2 + C_3 L_5 R_3 s^2 + C_3 L_5 R_3 s^2 + C_5 L_5 R_2 s^2 + 4 C_5 L_5 R_3 s^2 + L_5 R_2 g_m s + L_5 s + 2 R_2 R_3 g_m s + R_2 + 4 R_3 R_3 g_m s^2 + C_5 L_5 R_2 R_3 s^3 + 4 C_5 L_5 R_3 s^3 + C_5 L_5 R_2 s^3 + C_5 L_5 R_2$$

10.193 INVALID-ORDER-193 $Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 s^3 + C_2 C_5 R_2 R_5 s^2 + C_5 R_2 g_m s^2 + C_5 L_5 s^2 + C_5 R_2 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1 \right)}{C_2 C_3 C_5 L_5 R_2 R_3 s^4 + C_2 C_3 C_5 R_2 R_3 s^2 + C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 R_2 R_3 s^2 + C_2 C_5 R_2 R_3 s^2 + C_3 C_5 R_2 R_3 g_m s^3 + C_3 C_5 L_5 R_2 R_3 g_m s^3 + C_3 C_5 R_2 R_3 g_m s^2 + C_5 L_5 R_2 g_m s^2 + C_5 L_5 g_m s^2 + C_5 L_$$

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10.194 INVALID-ORDER-194 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
10.195 INVALID-ORDER-195 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R_3 \left( C_2 C_5 L_5 R_2 R_5 s^3 + C_2 L_5 R_2 s^2 + C_2 R_2 R_5 s + C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_5 s^2 + L_5 R_2 g_m s + L_5 s + R_2 R_5 g_m s^2 \right) + C_5 L_5 R_5 s^3 + C_5 L_5 R_5 s^3 + C_5 L_5 R_5 s^2 + C_5 L_5 R_5 s^2 + L_5 R_5 s^3 + C_5 L_5 R_5 r_5 + C_5 L_5 R_5 s^3 + C_5 L_5 R_5 r_5 + C_5 L_5 R_5 s^3 + C_
H(s) = \frac{R_3 \left( C_2 C_5 L_5 R_2 R_5 s^5 + C_2 L_5 R_2 s^5 + C_2 L_5 R_2 s^5 + C_5 L_5 R_2 R_5 g_m s^5 - C_5 L_5 R_2 s^5 + C_5 L_5 R_5 s^5 + L_5 R_2 g_m s^5 + C_5 L_5 R_2 s^
10.196 INVALID-ORDER-196 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \frac{C_2C_3C_5L_5R_2R_3R_5s^4 + C_2C_3R_2R_3R_5s^4 + C_2C_5L_5R_2R_3s^3 + C_2C_5L_5R_2R_3s^3 + C_2C_5L_5R_2R_3s^3 + C_2C_5L_5R_2R_3s^3 + C_3C_5L_5R_2R_3s^3 + C_3C_5L_5R_2R_3s^3 + C_3C_5L_5R_2R_3s^3 + C_3C_5L_5R_2R_3R_5s^3 + C_3C_5R_2R_3R_5s^3 + C_3C_5R_2R_3R_5s^3 + C_3C_5R_2R_3R_5s^3 + C_3C_5R_2R_3R_5s^3 + C_3C_5R_3R_5R_3R_5s^3 + C_3C_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_5R_3R_
10.197 INVALID-ORDER-197 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                                                                                                      H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}R_{2}s-C_{5}R_{2}s+R_{2}g_{m}+1\right)}{s\left(4C_{2}C_{3}C_{5}R_{2}R_{3}s^{2}+C_{2}C_{3}R_{2}s+4C_{2}C_{5}R_{2}s+2C_{3}C_{5}R_{2}R_{3}g_{m}s+C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{3}s+C_{3}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+4C_{5}\right)}
10.198 INVALID-ORDER-198 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
                           10.199 INVALID-ORDER-199 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
                                                                                                                                                      H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}R_{2}R_{5}s^{2}+C_{2}R_{2}s+C_{5}R_{2}R_{5}g_{m}s-C_{5}R_{2}s+C_{5}R_{5}s+R_{2}g_{m}+1\right)}{s\left(4C_{2}C_{3}C_{5}R_{2}R_{3}s^{2}+C_{2}C_{3}C_{5}R_{2}R_{5}s^{2}+C_{2}C_{3}R_{2}s+4C_{2}C_{5}R_{2}s+2C_{3}C_{5}R_{2}R_{3}g_{m}s+C_{3}C_{5}R_{2}R_{5}g_{m}s+C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{3}s+C_{3}C_{5}R_{5}s+C_{3}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+4C_{5}\right)}
10.200 INVALID-ORDER-200 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                    H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}s^{3}+C_{2}R_{2}s+C_{5}L_{5}R_{2}g_{m}s^{2}+C_{5}L_{5}s^{2}-C_{5}R_{2}s+R_{2}g_{m}+1\right)}{s\left(C_{2}C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{2}C_{3}R_{2}s+4C_{2}C_{5}R_{2}s+4C_{2}C_{5}R_{2}s+C_{5}L_{5}R_{2}g_{m}s^{2}+C_{3}C_{5}L_{5}s^{2}+2C_{3}C_{5}R_{2}g_{m}s+C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{3}s+C_{3}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+4C_{5}\right)}
10.201 INVALID-ORDER-201 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                       H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}L_{5}R_{2}s^{2}-C_{5}L_{5}R_{2}s^{2}+L_{5}R_{2}g_{m}s+L_{5}s-R_{2}\right)}{4C_{2}C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{2}C_{3}L_{5}R_{2}s^{3}+4C_{2}C_{5}L_{5}R_{2}s^{3}+4C_{2}C_{5}L_{5}R_{2}s^{3}+4C_{2}C_{5}L_{5}R_{2}s^{3}+4C_{2}C_{5}L_{5}R_{2}s^{3}+4C_{2}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{3}C_{5}L_{5}R_{
10.202 INVALID-ORDER-202 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
                                                    H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}s^{3}+C_{2}C_{5}R_{2}R_{5}s^{2}+C_{2}R_{2}s+C_{5}L_{5}R_{2}g_{m}s^{2}+C_{5}L_{5}s^{2}+C_{5}R_{2}g_{m}s-C_{5}R_{2}s+C_{5}R_{5}s+R_{2}g_{m}+1\right)}{s\left(C_{2}C_{3}C_{5}L_{5}R_{2}s^{3}+4C_{2}C_{3}C_{5}R_{2}R_{5}s^{2}+C_{2}C_{3}R_{2}s+4C_{2}C_{5}R_{2}s+C_{3}C_{5}L_{5}R_{2}g_{m}s^{2}+C_{3}C_{5}L_{5}s^{2}+2C_{3}C_{5}R_{2}R_{3}g_{m}s+C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}C_{5}R_{2}s+C_{3}
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10.203 INVALID-ORDER-203 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (C_3R_3s+1)(C_2L_5R_2R_5s^2-C_5L_5R_2R_5s^2+L_5R_2R_5g_ms-L_5R_2s+L_5R_5s-R_2R_5)
H(s) = \frac{(C_3R_3s+1)\left(C_2L_5R_2R_5s^2 - C_5L_5R_2R_5s^2 + L_5R_2R_5g_ms - L_5R_2s + L_5R_5s - R_2R_5\right)}{4C_2C_3C_5L_5R_2R_3s^4 + 4C_2C_3L_5R_2s^3 + 4C_2C_3L_5R_2s^3 + 4C_2C_5L_5R_2s^3 + 4C_2C_5L_5R_2s^
10.204 INVALID-ORDER-204 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_5R_2S^3 + C_2L_5R_2s^2 + C_2R_2R_5s + C_5L_5R_2S^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + L_5R_2g_ms + L_5s + R_2R_5g_m - R_2 + R_5\right)}{4C_2C_3C_5L_5R_2S^4 + C_2C_3C_5L_5R_2S^3 + 4C_2C_3R_2S^2 + C_2C_3R_2S^2 + C_2C_3R_2S^2 + C_2C_3R_2S^3 + 4C_2C_3L_5R_2s^3 + 
10.205 INVALID-ORDER-205 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \frac{(C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2S^3 + 4C_2C_3R_2R_3s^2 + 4C_2C_3R_2R_3s^2 + 4C_2C_5R_2R_3s^3 + 4C_2C_5R_2R_
10.206 INVALID-ORDER-206 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + \frac{1}{C_3 s}, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                     10.207 INVALID-ORDER-207 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                                                                                                                                              H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2R_2s - C_5R_2s + R_2g_m + 1\right)}{s\left(4C_2C_3C_5L_3R_2s^3 + C_2C_3R_2s + 4C_2C_5R_2s + 2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}
10.208 INVALID-ORDER-208 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)
                              H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2R_2R_5s - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{4C_2C_3C_5L_3R_2R_5s^4 + 4C_2C_3L_3R_2s^3 + C_2C_3R_2R_5s^2 + 4C_2C_5R_2R_5s^2 + 4C_2R_2s + 2C_3C_5L_3R_2S_3s^3 + 4C_3C_5L_3R_5s^3 + 4C_3C_5L_3R_2s^2 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3R_2s_5g_ms + C_3R_2s + C_3R_
10.209 INVALID-ORDER-209 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                              H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5R_2R_5s^2 + C_2R_2s + C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{s\left(4C_2C_3C_5L_3R_2s^3 + C_2C_3C_5R_2R_5s^2 + C_2C_3R_2s + 4C_2C_5R_2s + 2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5R_2g_ms + C_3C_5R_2s + C_3C
10.210 INVALID-ORDER-210 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, L_5s + \frac{1}{C_5s}, \infty\right)
                                                                                                                                                                          H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_2s^3 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{s\left(4C_2C_3C_5L_3R_2s^3 + C_2C_3C_5L_5R_2s + 4C_2C_5R_2s + 2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5L_5s^2 + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}
10.211 INVALID-ORDER-211 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                        H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2L_5R_2s^2 - C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2\right)}{4C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3L_3R_2s^3 + C_2C_3L_5R_2s^3 + 4C_2C_5L_5R_2s^3 + 4C_2R_2s + 2C_3C_5L_3L_5R_2g_ms^4 + 4C_3C_5L_5R_2s^3 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3L_5R_2g_ms^2 + 4C_5L_5s^2 + 2R_2g_m + 4C
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10.212 INVALID-ORDER-212 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
                                                 H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_2s^3 + C_2C_5R_2R_5s^2 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2R_5g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{s\left(4C_2C_3C_5L_3R_2s^3 + C_2C_3C_5L_5R_2s^3 + C_2C_3C_5R_2s + 4C_2C_5R_2s + 2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5L_5R_2g_ms^2 + C_3C_5L_5s^2 + C_3C_5R_2s 
10.213 INVALID-ORDER-213 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \left( C_3 L_3 s^2 + 1 \right) \left( C_2 L_5 R_2 R_5 s^2 - C_5 L_5 R_2 R_5 s^2 + L_5 R_2 R_5 g_m s - L_5 R_2 s + L_5 R_5 s - R_2 R_5 \right) 
H(s) = \frac{(C_3L_3S_5 + 1)(C_2L_5R_2R_5s_5 - C_5L_5R_2R_5s_5 + L_5R_2R_5s_5 + L_5R_2s_5 - R_5R_2R_5s_5 + L_5R_2s_5 - R_5R_2s_5 - R_5
10.214 INVALID-ORDER-214 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_2S^3 + C_2L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + C_5L_5R_2s^2 + L_5R_2g_ms + L_5s + R_2R_5g_m - R_2 + R_5\right)}{4C_2C_3C_5L_3L_5R_2s^5 + C_2C_3C_5L_3L_5R_2s^3 + C_2C_3L_5R_2s^3 + C_2C_3L_
10.215 INVALID-ORDER-215 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 L_5 R_2 R_5 s^3 + C_2 R_2 R_5 s + C_5 L_5 R_2 R_5 g_m s^2 - C_5 L_5 R_2 s^2 + C_5 L_5 R_5 s^2 - C_5 R_2 R_5 s + R_2 R_5 g_m s^2 \right) 
10.216 INVALID-ORDER-216 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                         H(s) = \frac{L_3s\left(C_2R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{C_2C_3L_3R_2R_5s^3 + 4C_2L_3R_2s^2 + C_2R_2R_5s + C_3L_3R_2R_5g_ms^2 + C_3L_3R_2s^2 + C_3L_3R_2g_ms + 4L_3s + R_2R_5g_m + R_2 + R_5}
10.217 INVALID-ORDER-217 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                                                                                       H(s) = \frac{L_{3}s\left(C_{2}R_{2}s - C_{5}R_{2}s + R_{2}g_{m} + 1\right)}{C_{2}C_{3}L_{3}R_{2}s^{3} + 4C_{2}C_{5}L_{3}R_{2}s^{3} + C_{2}R_{2}s + C_{3}C_{5}L_{3}R_{2}s^{3} + C_{3}L_{3}R_{2}g_{m}s^{2} + C_{5}L_{3}R_{2}g_{m}s^{2} + 4C_{5}L_{3}s^{2} + C_{5}R_{2}s + R_{2}g_{m} + 1}
10.218 INVALID-ORDER-218 Z(s) = \left(\infty, \ \frac{R_2}{C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)
                                                                     H(s) = \frac{L_{3}s\left(C_{2}R_{2}R_{5}s - C_{5}R_{2}R_{5}s + R_{2}R_{5}g_{m} - R_{2} + R_{5}\right)}{C_{2}C_{3}L_{3}R_{2}R_{5}s^{3} + 4C_{2}C_{5}L_{3}R_{2}R_{5}s^{2} + C_{2}R_{2}R_{5}s + C_{3}C_{5}L_{3}R_{2}R_{5}s^{3} + C_{3}L_{3}R_{2}s^{2} + C_{3}L_{3}R_{2}s^{2} + C_{3}L_{3}R_{2}s^{2} + C_{5}L_{3}R_{2}R_{5}s^{2} + 4C_{5}L_{3}R_{5}s^{2} + 4C_{5}L_{3}R_{5}s^{2} + C_{5}R_{2}R_{5}s + 4L_{3}s + R_{2}R_{5}g_{m} + R_{2} + R_{5}s^{2} + C_{5}L_{3}R_{2}s^{2} + C_{5}R_{2}R_{5}s^{2} + C_{5}R_{2}R_{5}s + 2L_{3}R_{2}g_{m}s + 4L_{3}s + R_{2}R_{5}g_{m} + R_{2} + R_{5}s^{2} + C_{5}R_{2}R_{5}s + C_{5}R
10.219 INVALID-ORDER-219 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
                                        10.220 INVALID-ORDER-220 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, L_5s + \frac{1}{C_5s}, \infty\right)
                                      H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}R_{2}s^{3} + C_{2}R_{2}s + C_{5}L_{5}R_{2}g_{m}s^{2} + C_{5}L_{5}s^{2} - C_{5}R_{2}s + R_{2}g_{m} + 1\right)}{C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}s^{3} + 4C_{2}C_{5}L_{3}R_{2}s^{3} + C_{2}C_{5}L_{5}R_{2}s^{3} + C_{2}C_{5}L_{3}L_{5}R_{2}g_{m}s^{4} + C_{3}C_{5}L_{3}L_{5}s^{4} + C_{3}C_{5}L_{3}R_{2}s^{3} + C_{5}L_{3}R_{2}g_{m}s^{2} + 4C_{5}L_{3}s^{2} + C_{5}L_{5}R_{2}g_{m}s^{2} + C_{5}L_{5}s^{2} + C_{5}
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10.221 INVALID-ORDER-221 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                                                                                           H(s) = \frac{L_{3}s\left(C_{2}L_{5}R_{2}s^{2} - C_{5}L_{5}R_{2}s^{2} + L_{5}R_{2}g_{m}s + L_{5}s - R_{2}\right)}{C_{2}C_{3}L_{3}L_{5}R_{2}s^{4} + 4C_{2}L_{3}L_{5}S^{2} + C_{2}L_{5}R_{2}s^{2} + C_{3}C_{5}L_{3}L_{5}R_{2}s^{4} + C_{3}L_{3}L_{5}R_{2}g_{m}s^{3} + C_{3}L_{3}L_{5}s^{3} + C_{5}L_{3}L_{5}S^{3} + C_{5}L_{5}L_{3}L_{5}s^{3} + C_{5}L_{5}R_{2}s^{2} + 2L_{3}R_{2}g_{m}s + L_{5}s + R_{2}s^{2}}
10.222 INVALID-ORDER-222 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}R_{2}s^{3} + C_{2}C_{5}R_{2}R_{5}s^{2} + C_{2}R_{2}s + C_{5}L_{5}s^{2} + C_{5}R_{2}g_{m}s^{2} + C_{5}R_{2}s + C_{5}R_{5}s + R_{2}g_{m} + 1\right)}{C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}s^{5} + C_{2}C_{3}C_{5}L_{3}R_{2}s^{5} + C_{2}C_{3}C_{5}L_{3}R_{2}s^{3} + C_{2}C_{5}L_{3}R_{2}s^{3} + C_{2}C_{5}L_{3}R_{2}s^{3} + C_{2}C_{5}L_{3}R_{2}s^{3} + C_{2}C_{5}L_{3}R_{2}s^{3} + C_{2}C_{5}L_{3}R_{2}s^{3} + C_{2}C_{5}L_{3}R_{2}s^{3} + C_{3}C_{5}L_{3}R_{2}s^{3} + C_
10.223 INVALID-ORDER-223 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L_3s\left(C_2L_5R_2R_5s^2-C_5L_5R_2R_5s^2+L_5R_2R_5g_ms-L_5R_2s+L_5R_5s-R_2R_5\right)
H(s) = \frac{L_{3}s\left(C_{2}L_{5}R_{2}R_{5}s^{2} - C_{5}L_{5}R_{2}R_{5}s^{2} + L_{5}R_{2}R_{5}g_{m}s - L_{5}R_{2}s + L_{5}R_{5}s - R_{2}R_{5}\right)}{C_{2}C_{3}L_{3}L_{5}R_{2}S^{4} + 4C_{2}L_{3}L_{5}R_{2}s^{3} + 4C_{2}L_{3}R_{2}R_{5}s^{2} + C_{3}L_{3}L_{5}R_{2}S^{3} + C_{3}L_{3}L_{5}R_{2}s^{3} + C_{3}L_{3}L_{5}R_{2}s^{3} + C_{3}L_{3}L_{5}R_{2}s^{3} + C_{5}L_{3}L_{5}R_{2}s^{3} + C_{5}L_{5}L_{5}R_{2}s^{3} + C_{5}L_{5}R_{2}s^{3} + C_{5}L_{5}L_{5}R_{2}s^{3} + C_{5}L_{5}L_{5}R_{2}s^{3} + C_{5}L_{5}L_{5}R_{2}s^{3} + C_{5}L_{5}R_{2}s^{3} + C_{5}L_{5}R_{5}s^{3} + C_{5}L_{5}R
10.224 INVALID-ORDER-224 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}R_{2}R_{5}s^{3} + C_{2}L_{5}R_{2}s^{2} + C_{2}R_{2}R_{5}s + C_{5}L_{5}R_{2}s^{2} + C_{5}L_{5}R_{2}s^{2}
10.225 INVALID-ORDER-225 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L_{3}s\left(C_{2}C_{5}L_{5}R_{2}R_{5}s^{3}+C_{2}R_{2}R_{5}s+C_{5}L_{5}R_{2}R_{5}g_{m}s^{2}-C_{5}L_{5}R_{2}s^{2}+C_{5}L_{5}R_{5}s^{2}-C_{5}R_{2}R_{5}s+R_{2}R_{5}g_{m}-R_{2}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{
H(s) = \frac{L_{3}s\left(c_{2}c_{5}L_{5}R_{2}R_{5}s^{s} + c_{2}R_{2}R_{5}s^{s} + c_{5}L_{5}R_{2}R_{5}g_{m}s^{s} - c_{5}L_{5}R_{2}s^{s} + c_{5}L_{5}R_{5}s^{s} - c_{5}R_{2}R_{5}s + c_{5}L_{5}R_{5}s^{s} + c_{5}L_{5}R
10.226 INVALID-ORDER-226 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)
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10.226 INVALID-ORDER-226
$$Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, R_5, \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{4C_2C_3L_3R_2s^3 + 4C_2C_3R_2R_3s^2 + C_2C_3R_2R_5s^2 + 4C_2R_2s + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + 2C_3R_2R_3g_ms + C_3R_2R_5g_ms + C_3R_2s + 4C_3R_3s + C_3R_5s + 2R_2g_m + 4}$$

10.228 INVALID-ORDER-228
$$Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$$

 $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2R_2R_5s - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{4C_2C_3C_5L_3R_2R_5s^4 + 4C_2C_3C_5R_2R_3s^3 + 4C_2C_3R_2R_3s^2 + C_2C_3R_2R_5s^2 + 4C_2C_5R_2R_5s^2 + 4C_2C_5R_2R_5s^2 + 4C_2C_5R_2R_5s^3 + 2C_3C_5R_2R_3s^3 + 2C_3C_5R_2R_3s^2 + 2C_3C_5R_3R_3s^2 + 2C_3C_5R_$

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10.230 INVALID-ORDER-230 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                                                    H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5R_2s^3 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{s\left(4C_2C_3C_5L_3R_2s^3 + C_2C_3C_5L_5R_2s^3 + 4C_2C_3C_5R_2s + 4C_2C_5R_2s + 2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_5s^2 + 2C_3C_5L_5R_2g_ms^2 + 4C_3C_5L_5s^2 + 2C_3C_5L_5R_2g_ms^2 + 4C_3C_5R_2s +
10.231 INVALID-ORDER-231 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2L_5R_2s^2 - C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2\right)}{4C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3L_5R_2s^3 + 4C_2C_3L_3R_2s^3 + 4C_2C_3L_5R_2s^3 +
10.232 INVALID-ORDER-232 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5R_2s^3 + C_2C_5R_2R_5s^2 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 + C_5R_2g_ms - C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{s\left(4C_2C_3C_5L_3R_2s^3 + C_2C_3C_5L_2R_2s^2 + C_2C_3R_2s + 4C_2C_5R_2s + 2C_3C_5L_3R_2g_ms^2 + 4C_3C_5L_3s^2 + C_3C_5L_5R_2g_ms^2 + 4C_3C_5L_5s^2 + 2C_3C_5R_2g_ms + C_3C_5R_2g_ms + C_3C_5
10.233 INVALID-ORDER-233 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \infty\right)
H(s) = \frac{(C_3L_3s + C_3R_3s + 1)(C_3L_3s + C_3R_3s + 1)(C_3R_3s + 1
10.234 INVALID-ORDER-234 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
                                     \frac{\left(C_{3}L_{3}s^{2}+C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}R_{5}s^{3}+C_{2}L_{5}R_{2}s^{2}+C_{2}R_{2}R_{5}s+C_{5}L_{5}R_{2}R_{5}g_{m}s^{2}-C_{5}L_{5}R_{2}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^
10.235 INVALID-ORDER-235 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (C_3L_3s^2+C_3R_3s+1)(C_2C_5L_5)
10.236 INVALID-ORDER-236 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, R_5, \infty\right)
                                                                                               10.237 INVALID-ORDER-237 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, \frac{1}{C_5s}, \infty\right)
                                                                                                          H(s) = \frac{L_3R_3s\left(C_2R_2s - C_5R_2s + R_2g_m + 1\right)}{C_2C_3L_3R_2R_3s^3 + 4C_2C_5L_3R_2R_3s^3 + C_2L_3R_2s^2 + C_2R_2R_3s + C_3C_5L_3R_2R_3s^3 + C_3L_3R_2R_3g_ms^2 + C_5L_3R_2s^2 + 4C_5L_3R_2s^2 + 4C_5L_3R_3s^2 + C_5R_2R_3s + L_3R_2g_ms + L_3s + R_2R_3g_m + R_3s^2 + C_5R_2R_3s + C_3R_3s^2 + C_5R_2R_3s + C_3R_3s^2 + C_5R_2R_3s + C_3R_3s^2 + C_5R_3s^2 +
10.238 INVALID-ORDER-238 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)
H(s) = \frac{L_3R_3s\left(C_2R_2R_5s - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{C_2C_3L_3R_2R_3R_5s^3 + 4C_2C_5L_3R_2R_3s^2 + C_2L_3R_2R_5s^2 + C_2R_2R_3R_5s + C_3C_5L_3R_2R_3s^2 + C_3L_3R_2R_3s^2 + C_3L_3R_2R_3s^2 + C_5L_3R_2R_3s^2 + C_5L_3R_3R_3s^2 + C_
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10.239 INVALID-ORDER-239 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
H(s) = \frac{L_3R_3s\left(C_2C_5R_2R_5s^2 + C_2R_2s + C_5R_2R_5g_ms - C_5R_2s + C_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               L_3R_3s\left(C_2C_5R_2R_5s^2+C_2R_2s+C_5R_2R_5g_ms-C_5R_2s+C_5R_5s+R_2g_m+1\right)
10.240 INVALID-ORDER-240 Z(s) = \left(\infty, \ \frac{R_2}{C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L_3R_3s\left(C_2C_5L_5R_2s^3+C_2R_2s+C_5L_5R_2g_ms^2+C_5L_5s^2-C_5R_2s+R_2g_m+1\right)
H(s) = \frac{L_3R_3s\left(C_2C_5L_5R_2s^3 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3L_3R_2R_3s^3 + C_2C_5L_3R_2R_3s^3 + C_2C_5
10.241 INVALID-ORDER-241 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L_3R_3s\left(C_2L_5R_2s^2-C_5L_5R_2s^2+L_5R_2g_ms+L_5s-R_2\right)
H(s) = \frac{L_3R_3s\left(C_2L_5R_2s^2 - C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2\right)}{C_2C_3L_3L_5R_2R_3s^4 + 4C_2C_5L_3L_5R_2s^3 + 4C_2L_3R_2s^3 + 4C_2L_3R_2s^2 + C_3C_5L_3L_5R_2s^3 + C_3L_3L_5R_2s^3 + C_5L_3L_5R_2s^3 + 4C_5L_3L_5R_2s^3 + 4C_5L_5R_2s^3 + 4C_5L_5R_2s^3 + 4C_5L_5R_2s^3 + 4C_5L_5R_2s^3 + 4C_5L_5R_2s^3 + 4C_5L_5R_2s^3 + 4C_5L_5R_
10.242 INVALID-ORDER-242 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, L_5s+R_5+\frac{1}{C_5s}, \infty\right)
H(s) = \frac{L_3R_3s\left(C_2C_5L_5R_2s^3 + C_2C_5R_2R_5s^2 + C_2R_2s + C_2R_2s + C_2R_2s^3 + C_2C_5L_3R_2R_3s^3 + C_2C_
10.243 INVALID-ORDER-243 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L_3R_3s\left(C_2L_5R_2R_5s^2-C_5L_5R_2R_5s^2+L_5R_2R_5g_ms-L_5g_ms\right)
                                         \frac{L_3R_3s\left(C_2L_5R_2R_5s - C_5L_5R_2R_5s + L_5R_2R_5g_ms - L_5}{C_2C_3L_3L_5R_2R_3R_5s^4 + 4C_2C_5L_3L_5R_2R_3s^3 + C_2L_3L_5R_2R_3s^3 + C_2L_3L_5R_2R_3s^3 + C_2L_3L_5R_2R_3s^3 + C_3L_3L_5R_2R_3s^3 + C_3L_3L_5R_3R_3s^3 + C_3L_3L_5R_3R_3s^3 + C_3L_3L_5R_3R_3s^3 + C_3L_3R_3R_3s^3 + C_3L_3L_5R_3R_3s^3 +
10.244 INVALID-ORDER-244 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)
H(s) = \frac{1}{C_2C_3C_5L_3L_5R_2R_3R_5s^5 + C_2C_3L_3L_5R_2R_3s^4 + C_2C_3L_3R_2R_3s^3 + 4C_2C_5L_3L_5R_2R_3s^4 + C_2C_5L_3L_5R_2R_3s^4 + C_2C_5L_3L_5R_3s^4 + C_2C_5L_3
10.245 INVALID-ORDER-245 Z(s) = \left(\infty, \ \frac{R_2}{C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)
H(s) = \frac{L_3}{C_2C_3C_5L_3L_5R_2R_3R_5s^5 + C_2C_3L_3R_2R_3R_5s^3 + 4C_2C_5L_3L_5R_2R_3s^4 + C_2C_5L_3L_5R_2R_3s^4 + C_2C_5L_3R_2R_3R_5s^3 + 4C_2L_3R_2R_3s^2 + C_2L_3R_2R_3s^2 + C_2L_3R_2R_3s^2 + C_2L_3R_2R_3s^2 + C_2L_3R_2R_3s^3 + C_3C_5L_3L_5R_2R_3s^4 + C_3C_5L_3L_5R_2R_3s^4 + C_3C_5L_3L_5R_2R_3s^3 + C_3C_5L_3L_5R_3R_3s^3 + C_3C_5L_3L_5
10.246 INVALID-ORDER-246 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5, \infty\right)
                                                                                     H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2R_2R_5s + R_2R_5g_m - R_2 + R_5\right)}{4C_2C_3L_3R_2R_3s^3 + C_2C_3L_3R_2R_5s^3 + 4C_2L_3R_2s^2 + 4C_2R_2R_3s + C_2R_2R_5s + 2C_3L_3R_2R_3g_ms^2 + C_3L_3R_2s^2 + 4C_3L_3R_2s^2 + 4C_3L_3R_3s^2 + 4C_
10.247 INVALID-ORDER-247 Z(s) = \left(\infty, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)
                                   H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2R_2s - C_5R_2s + R_2g_m + 1\right)}{4C_2C_3C_5L_3R_2R_3s^4 + C_2C_3L_3R_2s^3 + 4C_2C_5L_3R_2s^3 + 4C_2C_5R_2s^2 + 2C_3C_5L_3R_2s^3 + 4C_3C_5L_3R_2s^3 + 4C_3C_5L_3R_2s^3 + 4C_5L_3s^2 + 2C_5L_3R_2g_ms^2 + 4C_5L_3s^2 + 2C_5R_2s_3g_ms + C_5R_2s + 4C_5R_3s + R_2g_m + 1\right)}
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10.249 INVALID-ORDER-249 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5R_2R_5s^2 + C_2R_2s + C_5R_2R_5g_ms - C_5R_2s + C_5R_2s + C_5R_5s + R_2g_m + 1\right)}{4C_2C_3C_5L_3R_2R_3s^4 + C_2C_3C_5L_3R_2s^3 + 4C_2C_5L_3R_2s^3 + 4C_2C_5R_2s^2 + C_2R_2s + 2C_3C_5L_3R_2s^3 + C_3C_5L_3R_2s^3 + 4C_3C_5L_3R_2s^3 + 4C
10.250 INVALID-ORDER-250 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, L_5s + \frac{1}{C_5s}, \infty\right)
H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_5R_2s^3 + C_2R_2s + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3R_2s^3 + 4C_2C_5L_3R_2s^3 + 4C_2C_5L_3R_2
10.251 INVALID-ORDER-251 Z(s) = \left(\infty, \ \frac{R_2}{C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)
H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2L_5R_2s^2 - C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2\right)}{4C_2C_3C_5L_3L_5R_2s^3 + 4C_2C_3L_3L_5R_2s^4 + 4C_2C_5L_3L_5R_2s^4 + 4C_2C_5L_3L_5R_2s^2 + 4C_2R_2s^2 + 4C_2R_2s^2
10.252 INVALID-ORDER-252 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, L_5s + R_5 + \frac{1}{C_5s}, \infty\right)
                                          \frac{\left(C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}\right)\left(C_{2}C_{5}L_{5}R_{2}s^{3}+C_{2}C_{5}R_{2}R_{5}s^{2}+C_{2}R_{2}s+C_{5}L_{5}R_{2}g_{m}s^{2}+C_{5}L_{5}s^{2}+C_{5}R_{2}g_{m}s-C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{2}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R_{5}s^{2}+C_{5}R_{5}R
10.253 INVALID-ORDER-253 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
H(s) = \frac{1}{4C_2C_3C_5L_3L_5R_2R_3R_5s^5 + 4C_2C_3L_3L_5R_2R_3s^4 + C_2C_3L_3L_5R_2R_3s^4 + 4C_2C_3L_3R_2R_3R_5s^3 + 4C_2L_3L_5R_2s^3 + 4C_2L_3R_2s^3 + 4C_2L_3R_2s^2 + 4C_2L_3R_2s^2 + 4C_2L_3R_2s^2 + 4C_2L_3R_2s^2 + 4C_2L_3R_2s^2 + 4C_2
10.254 INVALID-ORDER-254 Z(s) = \left(\infty, \ \frac{R_2}{C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
H(s) = \frac{(C_3L_3R_3s^2 + L_3s + R_3)}{4C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_2s^4 + 4C_2C_3L_3R_2R_3s^3 + C_2C_5L_3L_5R_2s^4 + 4C_2C_5L_5R_2s^3 + 4C_2L_5R_2s^3 + 4C_2L_5R_2s^2 + 4C_2R_2s^2 + 4
10.255 INVALID-ORDER-255 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)
                                          \overline{4C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_2R_5s^5 + 4C_2C_3C_5L_3R_2R_3s^3 + C_2C_3L_3R_2R_3s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_3s^3 + C_2C_5L_3R_2R_3s^3 + 4C_2C_5L_3R_2R_3s^3 + 4C_2C_
10.256 INVALID-ORDER-256 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, R_5, \infty\right)
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 $H(s) = \frac{\left(C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}\right)\left(C_{2}R_{2}R_{5}s - C_{5}R_{2}R_{5}s + R_{2}R_{5}g_{m} - R_{2} + R_{5}\right)}{4C_{2}C_{3}C_{5}L_{3}R_{2}R_{3}s^{4} + 4C_{2}C_{3}L_{3}R_{2}R_{5}s^{3} + 4C_{2}C_{5}L_{3}R_{2}R_{5}s^{3} + 4C_{2}C_{5$

 $(C_3L_3R_3s^2 + L_3s + R_3)(C_2R_2R_5s - C_5R_2R_5s + R_2R_5g_m - R_2 + R_5)$

10.248 INVALID-ORDER-248 $Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$

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10.257 INVALID-ORDER-257 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{1}{C_5s}, \infty\right)
      H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 R_2 s - C_5 R_2 s + R_2 g_m + 1 \right)}{4 C_2 C_3 C_5 L_3 R_2 R_3 s^4 + C_2 C_3 L_3 R_2 s^3 + C_2 C_3 R_2 R_3 s^2 + 4 C_2 C_5 R_2 R_3 s^2 + C_2 R_2 s + 2 C_3 C_5 L_3 R_2 s^3 + 4 C_3 C_5 L_3 R_2 s^3 + 4 C_3 C_5 L_3 R_2 s^3 + C_3 C_5 L_3 R_2 s^3 + C_3 C_5 R_2 R_3 s^2 + C_3 L_3 R_2 g_m s^2 + C_3 L_3 s^2 + C_3 R_2 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1 C_5 R_2 s^2 + C_5 R_2 s^
10.258 INVALID-ORDER-258 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)
10.259 INVALID-ORDER-259 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 R_2 R_5 s^2 + C_2 R_2 s + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1 \right)}{4 C_2 C_3 C_5 L_3 R_2 R_3 s^4 + C_2 C_3 C_5 L_3 R_2 R_5 s^4 + C_2 C_3 C_5 R_2 R_3 r_5 s^3 + C_2 C_3 L_3 R_2 s^3 + C_2 C_3 R_2 R_3 s^2 + C_2 C_5 R_2 R_3 s^2 + C_2 C_5 R_2 R_3 s^2 + C_2 C_5 R_2 R_3 s^3 + C_3 C_5 L_3 R_2 R_3 s^3 + C_3 C_5 L_3 R_2 s^3 + C_3 C_5 L_3 
10.260 INVALID-ORDER-260 Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \infty, L_5s+\frac{1}{C_5s}, \infty\right)
H(s) = \frac{R_3 \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 L_5 R_2 s^3 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 - C_5 R_2 s + R_2 g_m + 1 \right)}{C_2 C_3 C_5 L_3 L_5 R_2 s^5 + 4 C_2 C_3 C_5 L_3 R_2 s^3 + C_2 C_3 L_5 R_2 s^3 + C_2 C_3 L_3 R_2 s^3 + C_2 C_3 L_3 R_2 s^3 + C_2 C_3 L_3 R_2 s^3 + C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 L_
10.261 INVALID-ORDER-261 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                                      \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)\left(C_{2}L_{5}R_{2}s^{2}-C_{5}L_{5}R_{2}s^{2}+L_{5}R_{2}g_{m}s+L_{5}s-R_{2}\right)}{4C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}R_{3}s^{5}+C_{2}C_{3}L_{3}L_{5}R_{2}s^{4}+4C_{2}C_{3}L_{3}R_{2}R_{3}s^{3}+C_{2}C_{5}L_{5}R_{2}R_{3}s^{3}+C_{2}L_{5}R_{2}s^{2}+4C_{2}R_{2}s^{2}+4C_{2}R_{2}R_{3}s+2C_{3}C_{5}L_{3}L_{5}R_{2}s^{4}+4C_{3}C_{5}L_{3}L_{5}R_{2}s^{4}+4C_{3}C_{5}L_{5}R_{2}R_{3}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{2}s^{3}+C_{2}L_{5}R_{
10.262 INVALID-ORDER-262 Z(s) = \left(\infty, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
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$$H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_2 C_5 L_5 R_2 s^3 + C_2 C_5 R_2 s^3 + C_2 C_3 R_2 R_3 s^4 + C_2 C_3 C_5 L_3 R_2 R_3 s^4 +$$

10.263 INVALID-ORDER-263
$$Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)$$

$$H(s) = \frac{1}{4C_2C_3C_5L_3L_5R_2R_3R_5s^5 + 4C_2C_3L_3L_5R_2R_3s^4 + C_2C_3L_3L_5R_2R_5s^4 + 4C_2C_3L_3R_2R_3R_5s^3 + 4C_2C_5L_5R_2R_3R_5s^3 + 4C_2L_5R_2R_3s^2 + 4C_2L_5R_3s^2 + 4$$

10.264 INVALID-ORDER-264
$$Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)$$

$$H(s) = \frac{1}{4C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_5R_2R_3s^5 + C_2C_3C_5L_5R_2R_3s^5 + C_2C_3L_3R_2R_3s^3 + C_2C_3L_3R_2R_3s^3$$

10.265 INVALID-ORDER-265
$$Z(s) = \left(\infty, \frac{R_2}{C_2R_2s+1}, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)$$

$$H(s) = \frac{1}{4C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3R_2R_3s^5 + C_2C_3L_3R_2R_3s^5 +$$

10.266 INVALID-ORDER-266 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, R_5, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s + R_5 g_m - 1 \right)}{2 C_2 R_2 R_3 g_m s + C_2 R_2 g_m s + C_2 R_2 s + 4 C_2 R_3 s + C_2 R_5 s + 2 R_3 g_m + R_5 g_m + 1}$$

10.267 INVALID-ORDER-267 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 s^3 - C_2 C_5 R_2 s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m \right)}{C_2 C_5 L_5 R_2 q_m s^3 + C_2 C_5 L_5 s^3 + 2 C_2 C_5 R_2 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 s + g_m r^2 + 2 C_5 R_3 r^2 + C_5 R_3 r^2 +$$

10.268 INVALID-ORDER-268 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_5 R_2 s^3 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 - C_2 R_2 s - C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2 C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 L_5 R_3 s^3 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s + C_2 R_2 s + 4 C_2 R_3 s + 2 C_5 L_5 R_3 g_m s^2 + C_5 L_5 s^2 + L_5 g_m s + 2 R_3 g_m + 1}$$

10.269 INVALID-ORDER-269 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 R_2 R_5 g_m s^2 - C_2 C_5 R_2 s^2 + C_2 C_5 R_5 s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 s^3 + 2 C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 R_5 g_m s + C_5 R_$$

10.270 INVALID-ORDER-270 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_5 R_2 R_5 s^3 + C_2 L_5 R_2 R_5 g_m s^2 - C_2 L_5 R_2 s^2 + C_2 L_5 R_5 s^2 - C_2 R_2 R_5 s - C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5 \right)}{2 C_2 C_5 L_5 R_2 R_3 R_5 g_m s^3 + C_2 C_5 L_5 R_2 R_5 s^3 + 4 C_2 C_5 L_5 R_3 R_5 s^3 + 2 C_2 L_5 R_2 R_5 g_m s^2 + C_2 L_5 R_2 s^2 + 4 C_2 L_5 R_3 s^2 + C_2 L_5$$

10.271 INVALID-ORDER-271 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 R_5 g_m s^3 - C_2 C_5 L_5 R_2 s^3 + C_2 L_5 R_2 s^3 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 + C_2 R_2 g_m s^2 + C_2 L_5 s^2 + C_2 R_2 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m - 1 \right)}{2 C_2 C_5 L_5 R_2 R_3 g_m s^3 + C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 L_5 R_3 s^3 + C_2 C_5 L_5 R_3 s^3 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s + C_2 R_2 s + 4 C_2 R_3 s + C_2 R_5 s + 2 C_5 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m s^2 + C_5 L_5 R_5$$

10.272 INVALID-ORDER-272 $Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 R_5 g_m s^3 - C_2 C_5 L_5 R_2 s^3 + C_2 C_5 R_2 R_3 r_3 + C_2 C_5 R_2 R_3 r_$$

10.273 INVALID-ORDER-273 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{-C_2C_5R_2s^2 + C_2R_2g_ms + C_2s - C_5s + g_m}{s \cdot (C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_3s + 2C_2C_5R_2g_ms + 4C_2C_5s + C_3C_5s + C_3g_m + 2C_5g_m)}$$

10.274 INVALID-ORDER-274 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{-C_2C_5R_2R_5s^2 + C_2R_2R_5g_ms - C_2R_2s + C_2R_5s - C_5R_5s + R_5g_m - 1}{C_2C_3C_5R_2R_5s^3 + C_2C_3R_2s^2 + C_2C_3R_2s^2 + C_2C_3R_5s^2 + 2C_2C_5R_2g_ms^2 + 4C_2C_5R_5s^2 + 2C_2R_2g_ms + 4C_2s + C_3C_5R_5s^2 + C_3R_5g_ms + C_3s + 2C_5R_5g_ms + 2C_5R_5g$$

10.275 INVALID-ORDER-275 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5R_2R_5g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_5s^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s + g_m}{s\left(C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_3s + 2C_2C_5R_2g_ms + 4C_2C_5s + C_3C_5R_5g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.276 INVALID-ORDER-276 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s + g_m}{s \cdot (C_2C_3C_5L_5R_2g_ms^3 + C_2C_3C_5L_5s^3 + C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_5R_2g_ms + 4C_2C_5s + C_3C_5L_5g_ms^2 + C_3C_5s + C_3g_m + 2C_5g_m)}$$

10.277 INVALID-ORDER-277 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{-C_2C_5L_5R_2s^3 + C_2L_5R_2g_ms^2 + C_2L_5s^2 - C_2R_2s - C_5L_5s^2 + L_5g_ms - 1}{C_2C_3C_5L_5R_2s^4 + C_2C_3L_5R_2g_ms^3 + C_2C_3L_5s^3 + C_2C_3R_2s^2 + 2C_2C_5L_5R_2g_ms^3 + 4C_2C_5L_5s^3 + 2C_2R_2g_ms + 4C_2s + C_3C_5L_5s^3 + C_3L_5g_ms^2 + C_3s + 2C_5L_5g_ms^2 + 2g_ms^2 + 2G_5L_5g_ms^2 + 2G_5L_5g_ms^$$

10.278 INVALID-ORDER-278 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 + C_2C_5R_2g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m}{s\left(C_2C_3C_5L_5R_2g_ms^3 + C_2C_3C_5L_5s^3 + C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_5R_2g_ms + 4C_2C_5s + C_3C_5L_5g_ms^2 + C_3C_5R_5g_ms + C_3C_5s + C_3g_ms + C_3C_5s + C_3g_ms + C_3C_5s + C_3G_5s + C_3G_5s$$

10.279 INVALID-ORDER-279 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

$$H(s) = \frac{-C_2C_5L_5R_2R_5s^3 + C_2L_5R_2s^2 + C_2L_5R_2s^2 + C_2L_5R_2s^2 + C_2L_5R_5s^2 - C_2R_2R_5s - C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5}{C_2C_3C_5L_5R_2s^3 + C_2C_3L_5R_2s^3 + C_2C_3L$$

10.280 INVALID-ORDER-280 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_2R_5g_ms^3 - C_2C_5L_5R_2s^3 + C_2C_5L_5R_2s^3 + C_2L_5R_2g_ms^2 + C_2L_5s^2 + C_2R_2g_ms - C_2R_2s + C_2R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1}{C_2C_3C_5L_5R_2g_ms^4 + C_2C_3C_5L_5R_2s^4 + C_2C_3L_5s^3 + C_2C_3L_5s^3 + C_2C_3R_2s^2 + C_2C_3R_2s^2 + C_2C_3R_2s^2 + C_2C_5L_5R_2g_ms^3 + 4C_2S_5L_5S^3 + C_3C_5L_5s^3 + C_3C_5$$

10.281 INVALID-ORDER-281 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{C_2C_5L_5R_2R_5g_ms^3 - C_2C_5L_5R_2s^3 + C_2C_5L_5R_2s^3 + C_2C_5L_5R_5s^3 - C_2C_5R_2R_5s^2 + C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1}{C_2C_3C_5L_5R_2g_ms^4 + C_2C_3C_5L_5R_2s^4 + C_2C_3C_5L_5R_2s^3 + C_2C_3R_2s^2 + C_2C_3R_2s^2 + C_2C_3R_2s^2 + C_2C_5L_5R_2g_ms^3 + 4C_2C_5L_5s^3 + 2C_2C_5R_2s^3 + 2C_2C_5$$

10.282 INVALID-ORDER-282 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 R_2 s^2 + C_2 R_2 g_m s + C_2 s - C_5 s + g_m \right)}{C_2 C_3 C_5 R_2 R_3 s^3 + C_2 C_3 R_2 R_3 g_m s^2 + C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 R_2 g_m s + C_2 s + C_3 C_5 R_3 s^2 + C_3 R_3 g_m s + 2 C_5 R_3 g_m s + C_5 s + g_m r^2 + C_5 R_3 r^2 + C_5 R_5 r$$

10.283 INVALID-ORDER-283 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 R_2 R_5 s^2 + C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 C_5 R_2 R_3 R_5 s^3 + C_2 C_3 R_2 R_3 R_5 g_m s^2 + C_2 C_3 R_3 R_5 s^2 + 2 C_2 C_5 R_2 R_3 R_5 g_m s^2 + C_2 C_5 R_2 R_3 R_5 g_m s^2 + C_2 C_5 R_2 R_3 R_5 g_m s + C_2 R_2 R_3 g_m s + C$$

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10.286 INVALID-ORDER-286 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = \frac{R_3 \left( -C_2 C_5 L_5 R_2 s^3 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 - C_2 R_2 s - C_5 L_5 s^2 + L_5 g_m s - 1 \right)}{C_2 C_3 C_5 L_5 R_2 R_3 g_m s^3 + C_2 C_3 L_5 R_3 g_m s^3 + C_2 C_3 L_5 R_3 g_m s^3 + C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 R_2 g_m s^3 + C_2 L_5 R_3 g_m s^3 + C_3 L
10.287 INVALID-ORDER-287 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{R_3 \left( C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 R_2 s^2 + C_2 S_2 g_m s + C_2 s + C_5 L_5 g_m s^2 + C_5 S_2 g_m s - C_5 s + g_m \right)}{C_2 C_3 C_5 L_5 R_2 R_3 g_m s^4 + C_2 C_3 C_5 L_5 R_3 s^4 + C_2 C_3 C_5 R_2 R_3 g_m s^3 + C_2 C_3 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 R_3 g_m s^3 + C_2 C_5 L_5 s^3 + 2 C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_3 g_m s^2 + C_
10.288 INVALID-ORDER-288 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R_{3} \left(-C_{2} C_{5} L_{5} R_{2} R_{5} s^{3}+C_{2} L_{5} R_{2} R_{5} g_{m} s^{2}-C_{2} L_{5} R_{2} s^{2}+C_{2} L_{5} R_{5} s^{2}-C_{2} R_{2} R_{5} s-C_{5} L_{5} R_{5} s^{2}+L_{5} R_{5} g_{m} s^{2}\right)
H(s) = \frac{R_3 \left( -C_2C_5L_5R_2R_5s^2 + C_2L_5R_2R_5g_ms^3 - C_2L_5R_2s^3 + C_2L_5R_2s^3 + C_2L_5R_2s^3 + C_2L_5R_5s^3 - C_2R_2R_5s - C_5L_5R_5s^3 + L_5R_5g_ms^3 + C_2C_3L_5R_2R_3R_5s^4 + C_2C_3L_5R_3R_5s^4 + C_2C_3L
10.289 INVALID-ORDER-289 Z(s) = \left(\infty, R_2 + \frac{1}{C_{2}s}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R_3 \left( C_2 C_5 L_5 R_2 R_5 g_m s^3 - C_2 C_5 L_5 R_2 s^3 + C_2 C_5 L_5 R_5 s^3 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 + C_2 R_2 R_5 g_m s^3 - C_2 C_5 L_5 R_2 g_m s^3 + C_2 L_5 R
H(s) = \frac{R_3 \left( C_2 C_5 L_5 R_2 s_3 - C_2 C_5 L_5 R_2 s^3 + C_2 L_5 R_2 s^3 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 g_m s^2 + C_2 L_5 g_m s^3 + C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 R_
10.290 INVALID-ORDER-290 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
H(s) = \frac{1.5 \left( 2 \cdot 2 \cdot 3 \cdot 2 \cdot 1 \cdot 2 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 2 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 1 \cdot 2 \cdot 3 \cdot 1 \cdot 3 \cdot 
10.291 INVALID-ORDER-291 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                                                                                                                                                                                  H(s) = \frac{\left(C_3R_3s + 1\right)\left(-C_2C_5R_2s^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{s\left(2C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_3s^2 + C_2C_3R_2g_ms + C_2C_5R_2g_ms + 4C_2C_5s + 2C_3C_5R_3g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}
10.292 INVALID-ORDER-292 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (C_3R_3s+1)(C_2C_5R_2R_5s^2-C_2R_2R_5g_ms+C_2R_2s-C_2R_5s+C_5R_5s-R_5g_m+1)
                                                               \frac{(C_3R_3R_5R_7R_3R_5q_ms^3 + C_2C_3C_5R_2R_5g_ms^2 + C_2C_3R_2R_5g_ms^2 + C_2C_3R_2R_5g_ms^2 + C_2C_3R_3g_ms^2 + C_2C
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 $H(s) = \frac{R_3 \left(C_2 C_5 R_2 R_5 g_m s^2 - C_2 C_5 R_2 s^2 + C_2 C_5 R_5 s^2 + C_2 R_2 g_m s + C_2 s + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_3 C_5 R_2 R_3 R_5 g_m s^3 + C_2 C_3 C_5 R_2 R_3 s^3 + C_2 C_3 C_5 R_3 R_5 s^3 + C_2 C_3 R_2 R_3 g_m s^2 + C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 R_5 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_3 s^2$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 s^3 - C_2 C_5 R_2 s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m \right)}{C_2 C_3 C_5 L_5 R_2 g_m s^4 + C_2 C_3 C_5 L_5 R_3 g_m s^4 + C_2 C_3 C_5 R_2 R_3 g_m s^2 + C_2 C_3 R_3 g_m s^2 + C_2 C_5 L_5 g_m s^3 + C_2 C_5 L_5 g_m s^3 + C_2 C_5 L_5 g_m s^2 + C_2 C_5 R_2 g_m s + C_2 s + C_3 C_5 L_5 R_3 g_m s^3 + C_3 C_5 R_3 g_m s^3 + C_3$

10.284 INVALID-ORDER-284 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

10.285 INVALID-ORDER-285 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

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10.293 INVALID-ORDER-293 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
                                                                                                                                   H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}R_{2}R_{5}g_{m}s^{2}-C_{2}C_{5}R_{2}s^{2}+C_{2}C_{5}R_{5}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s+C_{5}R_{5}g_{m}s-C_{5}s+g_{m}\right)}{s\left(2C_{2}C_{3}C_{5}R_{2}R_{3}g_{m}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}C_{5}R_{5}s^{2}+C_{2}C_{3}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+4C_{2}C_{5}s+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}g_{m}s+C_{5}C_{5}R_{5}
10.294 INVALID-ORDER-294 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                                                                                                                                  H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}g_{m}s^{3}+C_{2}C_{5}L_{5}s^{3}-C_{2}C_{5}R_{2}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s+C_{5}L_{5}g_{m}s^{2}-C_{5}s+g_{m}\right)}{s\left(C_{2}C_{3}C_{5}L_{5}s^{3}+2C_{2}C_{3}C_{5}R_{2}g_{m}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}R_{2}g_{m}s+C_{2}C_{3}s+2C_{2}C_{5}R_{2}g_{m}s+4C_{2}C_{5}s+C_{3}C_{5}L_{5}g_{m}s^{2}+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}s+C_{3}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m
10.295 INVALID-ORDER-295 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = -\frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}s^{3}-C_{2}L_{5}R_{2}g_{m}s^{2}-C_{2}L_{5}s^{2}+C_{2}R_{2}s+C_{5}L_{5}s^{2}-L_{5}g_{m}s+1\right)}{2C_{2}C_{3}C_{5}L_{5}R_{2}g_{m}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{3}s^{4}+C_{2}C_{3}L_{5}R_{3}s^{4}+C_{2}C_{3}L_{5}R_{3}s^{4}+C_{2}C_{3}L_{5}s^{3}+2C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}R_{3}s^{2}+2C_{2}C_{5}L_{5}R_{3}g_{m}s^{3}+4C_{2}S_{5}L_{5}S^{3}+2C_{2}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}s^{3}+2C_{2}C_{3}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}s^{3}+2C_{2}C_{3}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}s^{3}+2C_{2}C_{3}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}s^{3}+2C_{2}C_{3}R_{3}g_{m}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+C_{3}C_{5}L_{5}s^{3}+
10.296 INVALID-ORDER-296 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}g_{m}s^{3}+C_{2}C_{5}L_{5}s^{3}+C_{2}C_{5}R_{2}g_{m}s^{2}-C_{2}C_{5}R_{2}s^{2}+C_{2}C_{5}R_{5}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s+C_{5}L_{5}g_{m}s^{2}+C_{5}R_{5}g_{m}s-C_{5}s+g_{m}\right)}{s\left(C_{2}C_{3}C_{5}L_{5}R_{2}g_{m}s^{3}+C_{2}C_{3}C_{5}R_{2}R_{3}g_{m}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}C_{5}R_{2}g_{m}s+C_{2}
10.297 INVALID-ORDER-297 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                                    -\frac{(C_3R_3s+1)\left(C_2C_5L_5R_2R_5s^3-C_2L_5R_2R_5g_ms^2+C_2L_5R_2s^2-C_2L_5R_5s^2+C_2R_2R_5s+C_5r_3r_3r_3+C_2C_3L_5R_2r_3r_3r_3+C_2C_3L_5R_2r_3r_3r_3+C_2C_3L_5R_2r_3r_3r_3+C_2C_3L_5R_2r_3r_3r_3+C_2C_3L_5R_2r_3r_3r_3+C_2C_3L_5R_2r_3r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2r_3+C_2C_3L_5R_2
10.298 INVALID-ORDER-298 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
10.299 INVALID-ORDER-299 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            H(s) = \frac{(C_3C_3C_5L_5R_2R_3g_ms^4 + C_2C_3C_5L_5R_2R_3g_ms^4 + C_2C_3C_5L_5R_2S^4 + C_2C_3C_5L_5R_3s^4 + C_2C_3
10.300 INVALID-ORDER-300 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                   H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + R_5g_m - 1\right)}{2C_2C_3L_3R_2g_ms^3 + 4C_2C_3L_3s^3 + C_2C_3R_2g_ms^2 + C_2C_3R_2s^2 + C_2C_3R_5s^2 + 2C_2R_2g_ms + 4C_2s + 2C_3L_3g_ms^2 + C_3R_5g_ms + C_3s + 2g_ms^2 + C_3R_5g_ms^2 + C_3R_5g_ms^2
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10.301 INVALID-ORDER-301
$$Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ L_3 s + \frac{1}{C_3 s}, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)$$

$$H(s) = \frac{\left(C_3 L_3 s^2 + 1\right) \left(-C_2 C_5 R_2 s^2 + C_2 R_2 g_m s + C_2 s - C_5 s + g_m\right)}{s \left(2C_2 C_3 C_5 L_3 R_2 g_m s^3 + 4C_2 C_3 C_5 L_3 s^3 + C_2 C_3 C_5 R_2 s^2 + C_2 C_3 R_2 g_m s + C_2 C_5 R_2 g_m s + 4C_2 C_5 s + 2C_3 C_5 L_3 g_m s^2 + C_3 C_5 s + C_3 g_m + 2C_5 g_m\right)}$$

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10.303 INVALID-ORDER-303 Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ L_3 s + \frac{1}{C_3 s}, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty\right)
                                                                                                                       H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5R_2R_5g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_5s^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_3R_2g_ms^3 + 4C_2C_3C_5L_3s^3 + C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_3s + 2C_2C_5R_2g_ms + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5R_5g_ms + C_3C_5s + C_3g_ms + C_3C_5s + C_3G_5s + C_3G_
10.304 INVALID-ORDER-304 Z(s) = \left(\infty, R_2 + \frac{1}{C_{2s}}, L_3 s + \frac{1}{C_{3s}}, \infty, L_5 s + \frac{1}{C_{5s}}, \infty\right)
                                                                                                                      H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_3R_2g_ms^3 + 4C_2C_3C_5L_5s^3 + C_2C_3C_5L_5s^3 + C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_5R_2g_ms + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5L_5g_ms^2 + C_3C_5s + C_3g_m + 2C_5g_m\right)}
10.305 INVALID-ORDER-305 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_2s^3 - C_2L_5R_2g_ms^2 - C_2L_5s^2 + C_2R_2s + C_5L_5s^2 - L_5g_ms + 1\right)}{2C_2C_3C_5L_3L_5R_2g_ms^5 + 4C_2C_3C_5L_3L_5s^5 + C_2C_3C_5L_3R_2g_ms^3 + 4C_2C_3L_5R_2g_ms^3 + C_2C_3L_5s^3 + C_2C
10.306 INVALID-ORDER-306 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 + C_2C_5R_2g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2S_5g_ms^2 + C_5S_5g_ms^2 + C_5S_5g_ms^2
10.307 INVALID-ORDER-307 Z(s) = \left(\infty, R_2 + \frac{1}{C_{2s}}, L_3 s + \frac{1}{C_{3s}}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 L_5 R_2 R_5 s^3 - C_2 L_5 R_2 R_5 g_m s^2 + C_2 L_5 R_2 s^2 - C_2 L_5 R_5 s^2 + C_2 R_2 R_5 s + C_5 R_5 R_5 r^2 \right) 
                                                -\frac{(C_3 - C_3)_2 + C_4 - C_3 - C_3 - C_4 - C_3 - C_3 - C_4 - C_3 - C_4 - C_4
10.308 INVALID-ORDER-308 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_5R_2S_3 + C_2C_5L_5R_2s^3 + C_2C_5L_5R_2s^3 + C_2L_5S_2 + C_2R_2S_2g_ms^2 + C_2L_5s^2 + C_2R_2S_2g_ms^2 + C_2L_5s^2 + C_2R_2S_2g_ms^2 + C_2L_5S_2g_ms^2 + 
10.309 INVALID-ORDER-309 Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ L_3 s + \frac{1}{C_3 s}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)
                                        \frac{\left(C_{3}L_{3}s^{2}+1\right)\left(C_{2}C_{5}L_{5}R_{2}R_{5}g_{m}s^{3}-C_{2}C_{5}L_{5}R_{2}s^{3}+C_{2}C_{5}L_{5}R_{5}s^{3}-C_{2}C_{5}R_{2}R_{5}g_{m}s-C_{2}C_{5}L_{5}R_{2}s^{3}+C_{2}C_{5}L_{5}R_{2}s^{3}+C_{2}C_{5}L_{5}R_{5}s^{3}+C_{2}C_{5}L_{5}R_{5}s^{3}+C_{2}C_{5}L_{5}R_{5}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+C_{2}C_
10.310 INVALID-ORDER-310 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, R_5, \infty\right)
                                                                                                                                                                                                                             H(s) = \frac{L_3s\left(C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + R_5g_m - 1\right)}{C_2C_3L_3R_2R_5g_ms^3 + C_2C_3L_3R_2s^3 + C_2C_3L_3R_5s^3 + 2C_2L_3R_2g_ms^2 + 4C_2L_3s^2 + C_2R_2s + C_2R_2s + C_2R_5s + C_3L_3R_5g_ms^2 + C_3L_3s^2 + 2L_3g_ms + R_5g_m + 1}
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 $H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5R_2R_5s^2 - C_2R_2R_5g_ms + C_2R_2s - C_2R_5s + C_5R_5s - R_5g_m + 1\right)}{2C_2C_3C_5L_3R_2R_5g_ms^4 + 4C_2C_3C_5L_3R_5s^4 + C_2C_3C_5L_3R_5s^3 + 2C_2C_3L_3R_2g_ms^3 + 4C_2C_3L_3s^3 + C_2C_3R_2s^2 + C_2C_3R_2s^2 + 2C_2C_5R_2s^2 + 2C_2C_$

10.302 INVALID-ORDER-302 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

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10.311 INVALID-ORDER-311 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                                                                  H(s) = \frac{L_3s\left(-C_2C_5R_2s^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{C_2C_3C_5L_3R_2s^4 + C_2C_3L_3R_2g_ms^3 + C_2C_5L_3R_2g_ms^3 + 4C_2C_5L_3s^3 + C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_3C_5L_3s^3 + C_3L_3g_ms^2 + 2C_5L_3g_ms^2 + C_5s + g_m}
10.312 INVALID-ORDER-312 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
H(s) = \frac{L_{3}s\left(-C_{2}C_{5}R_{2}R_{5}s^{2} + C_{2}R_{2}R_{5}g_{m}s - C_{2}R_{2}s + C_{2}R_{5}s - C_{5}R_{5}s + R_{5}g_{m} - 1\right)}{C_{2}C_{3}C_{5}L_{3}R_{2}S^{3} + C_{2}C_{3}L_{3}R_{2}S^{3} + C_{2}C_{3}L_{3}R_{5}s^{3} + 2C_{2}C_{5}L_{3}R_{5}S^{3} + 2C_{2}C_{5}L_{3}R_{5}S^{3} + 2C_{2}C_{5}L_{3}R_{5}S^{3} + 2C_{2}C_{5}L_{3}R_{5}S^{3} + C_{2}C_{5}L_{3}R_{5}S^{3} + C
10.313 INVALID-ORDER-313 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}R_{2}R_{5}g_{m}s^{2} - C_{2}C_{5}R_{2}s^{2} + C_{2}C_{5}R_{5}s^{2} + C_{2}R_{2}g_{m}s + C_{2}s + C_{5}R_{5}g_{m}s - C_{5}s + g_{m}\right)}{C_{2}C_{3}C_{5}L_{3}R_{2}g_{m}s^{4} + C_{2}C_{3}C_{5}L_{3}R_{2}s^{4} + C_{2}C_{3}L_{3}R_{2}g_{m}s^{3} + C_{2}C_{3}L_{3}R_{2}g_{m}s^{3} + C_{2}C_{5}L_{3}R_{2}g_{m}s^{3} + C_{2}C_{5}R_{2}s^{2} + C_{2}C_{5}R
10.314 INVALID-ORDER-314 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}R_{2}g_{m}s^{3} + C_{2}C_{5}L_{5}s^{3} - C_{2}C_{5}R_{2}s^{2} + C_{2}R_{2}g_{m}s + C_{2}s + C_{5}L_{5}g_{m}s^{2} - C_{5}s + g_{m}\right)}{C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}g_{m}s^{5} + C_{2}C_{3}C_{5}L_{3}R_{2}s^{4} + C_{2}C_{3}L_{3}R_{2}g_{m}s^{3} + C_{2}C_{5}L_{3}s^{3} + C_{2}C_{5}L_{3}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{3}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{3}s^{3} + C_{2}C_{5}L_{5}s^{3} +
10.315 INVALID-ORDER-315 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = \frac{L_3s\left(-C_2C_5L_5R_2s^3 + C_2L_5s^2 - C_2R_2s - C_5L_5s^2 + L_5g_ms - 1\right)}{C_2C_3C_5L_3L_5R_2s^5 + C_2C_3L_3L_5s^4 + C_2C_3L_3L_5s^4 + C_2C_5L_3L_5s^4 + C_2C_5L_3L_
10.316 INVALID-ORDER-316 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
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 $H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{5}R_{2}g_{m}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}R_{2}s^{2} + C_{2}C_{5}R_{2}s^{2} + C_{2}E_{2}g_{m}s + C_{2}s + C_{5}L_{5}g_{m}s^{2} + C_{5}R_{5}g_{m}s - C_{5}s + g_{m}\right)}{C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}g_{m}s^{5} + C_{2}C_{3}C_{5}L_{3}R_{2}s^{4} + C_{2}C_{3}C_{5}L_{3}R_{2}s^{4} + C_{2}C_{3}C_{5}L_{3}R_{2}s^{4} + C_{2}C_{3}L_{3}R_{2}g_{m}s^{3} + C_{2}C_{5}L_{3}R_{2}g_{m}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}R_{2}s^{2} + C_{2}C_{5}R_{2}s^{2$

10.317 INVALID-ORDER-317 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

 $L_{3}s\left(-C_{2}C_{5}L_{5}R_{2}R_{5}s^{3}+C_{2}L_{5}R_{2}R_{5}g_{m}s^{2}-C_{2}L_{5}R_{2}s^{2}+C_{2}L_{5}R_{5}s^{2}-C_{2}R_{2}R_{5}s-C_{5}L_{5}R_{5}s^{2}+L_{5}R_{5}s^{2}+C_{5}L_{$ $H(s) = \frac{L_{3}s\left(-C_{2}C_{5}L_{5}R_{2}R_{5}s^{5} + C_{2}L_{5}R_{2}R_{5}s^{6} + C_{2}L_{5}R_{2}s^{5} + C_{2}L_{5}R_{5}s^{6} + C_{2}L_{5}$

10.318 INVALID-ORDER-318 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $L_{3}s\left(C_{2}C_{5}L_{5}R_{2}R_{5}g_{m}s^{3}-C_{2}C_{5}L_{5}R_{2}s^{3}+C_{2}C_{5}L_{5}R_{5}s^{3}+C_{2}L_{5}R_{2}g_{m}s^{2}+C_{2}L_{5}s^{2}+C_{2}R_{2}R_{5}g_{m}s^{2}+C_{2}R_{5}g$ $H(s) = \frac{L_{3}s \left(C_{2}C_{5}L_{5}L_{2}R_{5}g_{m}s^{5} + C_{2}C_{5}L_{5}R_{2}s^{6} + C_{2}C_{5}L_{5}R_{2}s^{6} + C_{2}L_{5}R_{2}g_{m}s^{4} + C_{2}L_{5}R_{5}g_{m}s^{5} + C_{2}L_{5}R_{2}g_{m}s^{4} + C_{2}C_{5}L_{5}R_{2}s^{6} +$

10.319 INVALID-ORDER-319 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_3L_5R_2R_5g_ms^5 + C_2C_3C_5L_3L_5R_2s^5 + C_2C_3C_5L_3L_5R_2s^5 + C_2C_3C_5L_3R_2s^5 + C_2C_3L_3R_2s^3 + C_2C_3L$

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10.320 INVALID-ORDER-320 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)
                                                                                                                                                                                                H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + R_5g_m - 1\right)}{2C_2C_3L_3R_2g_ms^3 + 4C_2C_3L_3s^3 + 2C_2C_3R_2g_ms^2 + C_2C_3R_2g_ms^2 + 4C_2C_3R_3s^2 + 4C_2C_3R_3s^2 + 2C_2R_2g_ms + 4C_2s + 2C_3L_3g_ms^2 + 2C_3R_3g_ms + C_3R_5g_ms + C_3s + 2g_ms^2 + 2C_3R_3g_ms^2 + 2C_3R_3
10.321 INVALID-ORDER-321 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                                                  H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(-C_2C_5R_2s^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_3R_2g_ms^3 + 4C_2C_3C_5L_3s^3 + 2C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_3s^2 + C_2C_3R_2g_ms + C_2C_5s + 2C_3C_5L_3g_ms^2 + 2C_3C_5R_3g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}
10.322 INVALID-ORDER-322 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (C_3L_3s^2+C_3R_3s+1)(C_2C_5R_2R_5s^2-C_2R_2R_5q_ms+C_2R_2s-C_2R_5s+C_5R_5s-R_5q_m+1)
                                                          \frac{( \cup_{3} L_{3} s + \cup_{3} \Pi_{3} s + 1) ( \cup_{2} \cup_{5} \Pi_{2} \Pi_{5} s - \cup_{2} \Pi_{2} \Pi_{5} s + \cup_{5} \Pi_{5} s - \cup_{2} \Pi_{5} s + \cup_{5} \Pi_{5} s - \cup
10.323 INVALID-ORDER-323 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5R_2R_5g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_5s^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_3R_2g_ms^3 + 4C_2C_3C_5L_3s^3 + 2C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_3s^2 + C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_2g_ms + C_2C_3C_5R_2g_ms + C_2C_3C_5R_2g_ms
10.324 INVALID-ORDER-324 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_3R_2g_ms^3 + 4C_2C_3C_5L_3s^3 + C_2C_3C_5L_5s^3 + 2C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_2g_ms + C_2C_3R_2g_ms + C_2C_3C_5L_3g_ms^2 + C_3C_5L_3g_ms^2 
10.325 INVALID-ORDER-325 Z(s) = \left(\infty, R_2 + \frac{1}{C_{2}s}, L_3s + R_3 + \frac{1}{C_{3}s}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \left(C_{3}L_{3}s^{2}+C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}s^{3}-C_{2}L_{5}R_{2}g_{m}s^{2}-C_{2}L_{5}s^{2}+C_{2}R_{2}s+C_{5}L_{5}s^{2}-L_{5}g_{m}s+1\right)
                                                         \frac{\left(C_{3}L_{3}s+C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{5}R_{2}g_{m}s-C_{2}L_{5}s+C_{2}g_{m}s-C_{2}L_{5}s+C_{5}L_{5}s-L_{5}g_{m}s+1\right)}{2C_{2}C_{3}C_{5}L_{3}L_{5}s^{5}+4C_{2}C_{3}C_{5}L_{5}R_{2}g_{m}s^{5}+4C_{2}C_{3}C_{5}L_{5}R_{2}g_{m}s^{3}+4C_{2}C_{3}L_{5}s^{3}+2C_{2}C_{3}L_{5}s^{3}+2C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}L_{5}s^{3}+2C_{2}C_{5}L_{5}R_{2}g_{m}s^{3}+4C_{2}C_{3}L_{5}s^{3}+2C_{2}C_{3}L_{5}s^{3}+2C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{5}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+2C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}+4C_{2}C_{3}L_{5}s^{3}
10.326 INVALID-ORDER-326 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2S_2g_ms + C_2s + C_5L_5g_ms^2 + C_5S_5g_ms - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_3R_2g_ms^3 + 4C_2C_3C_5L_3s^3 + C_2C_3C_5L_5s^3 + 2C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2g_ms^2 + C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_2s^2 + C_2C_3C_5R_2s^2 + C_2C_3C
10.327 INVALID-ORDER-327 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                                          -\frac{1}{2C_2C_3C_5L_3L_5R_2R_5g_ms^5 + 4C_2C_3C_5L_3L_5R_5s^5 + 2C_2C_3C_5L_5R_2R_3R_5g_ms^4 + C_2C_3C_5L_5R_2R_5s^4 + 4C_2C_3L_5R_2g_ms^4 + 4C_2C_3L_3L_5s^4 + 2C_2C_3L_3R_2g_ms^3 + 4C_2C_3L_3R_5s^3 + 2C_2C_3L_5R_2g_ms^3 + 4C_2C_3L_5R_2g_ms^3 + 4C_2C_3L_5R_2g_ms^2
10.328 INVALID-ORDER-328 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (C_3L_3s^2 + C_3R_3s + 1) (C_2C_5L_5R_2R_5g_ms^3 - C_2C_5L_5R_2s^3 + C_2C_5L_5R_5s^3 + C_2L_5R_2g_ms^2 + C_2L_5s^2 + C_2C_5L_5R_2g_ms^2 + C_2L_5s^2 + C_2C_5L_5R_2g_ms^2 + C_2
                                              \frac{(c_3C_3C_5L_3L_5R_2q_ms^5 + 4C_2C_3C_5L_3L_5s^5 + 2C_2C_3C_5L_5R_2R_3q_ms^4 + C_2C_3C_5L_5R_2s^4 + 4C_2C_3C_5L_5R_3s^4 + C_2C_3C_5L_5R_3s^4 + C_2C_3C_5L_5R_2s^4 + 4C_2C_3C_5L_5R_3s^4 + C_2C_3C_5L_5R_3s^4 + C_2C_3C_5
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10.329 INVALID-ORDER-329 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$

 $H(s) = \frac{(3.2.3.5) + 4.2.3.5 + 2.2$

10.330 INVALID-ORDER-330 $Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ R_5, \ \infty\right)$

 $H(s) = \frac{L_3R_3s\left(C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + R_5g_m - 1\right)}{C_2C_3L_3R_2R_3s_5g_ms^3 + C_2C_3L_3R_2R_3s^3 + C_2C_3L_3R_2R_3g_ms^2 + C_2L_3R_2g_ms^2 + C_2L_3R_2s^2 + 4C_2L_3R_3s^2 + C_2L_3R_3s^2 + C_2L_3R_3s$

10.331 INVALID-ORDER-331 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{L_3R_3s\left(-C_2C_5R_2s^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{C_2C_3C_5L_3R_2R_3g_ms^3 + C_2C_3L_3R_2g_ms^3 + C_2C_5L_3R_2g_ms^3 + C_2C_5L_3R_2s^3 + 4C_2C_5L_3R_2s^3 + 4C_2C_5L_3R_2s^3 + 4C_2C_5L_3R_2s^3 + C_2L_3s^2 + C_2L_3s^2 + C_2L_3s^2 + C_2L_3s^2 + C_2L_3s^3 + C_2L_3s^$

10.332 INVALID-ORDER-332 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

 $L_3R_3s\left(-C_2C_5R_2R_5s^2+C_2R_2R_5g_ms-C_2R_2s+C_2R_5s-C_5R_5s+R_5g_m-1\right)$ $H(s) = \frac{L_3R_3s\left(-C_2C_5R_2R_5s + C_2R_2R_5g_ms - C_2R_2s + C_2R_5s - C_5R_5s + R_5g_m - 1\right)}{C_2C_3C_5L_3R_2R_3R_5s^4 + C_2C_3L_3R_2R_3s^3 + C_2C_3L_3R_2R_3s^3 + C_2C_5L_3R_2R_3s^3 + C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + 4C_2C_5L_3R_2R_5s^3 + C_2C_5L_3R_2R_5s^3 + C_2C_5L$

10.333 INVALID-ORDER-333 $Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty\right)$

 $L_3R_3s\left(C_2C_5R_2R_5g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_5s^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s^2\right)$

10.334 INVALID-ORDER-334 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

 $L_3R_3s\left(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s^3\right)$ $H(s) = \frac{L_3R_3s\left(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s_3R_2s^3 + C_2C_5L_3R_2s^3 +$

10.335 INVALID-ORDER-335 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

 $L_3R_3s\left(-C_2C_5L_5R_2s^3+C_2L_5R_2g_ms^2+C_2L_5s^2-C_2R_2s-C_5L_5s^2+L_5g_ms-1\right)$ $H(s) = \frac{L_3R_3s\left(-C_2C_5L_5R_2s^5 + C_2L_5R_2g_ms^2 + C_2L_5s^2 - C_2R_2s - C_5L_5s^2 + L_5g_ms - 1\right)}{C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3L_3L_5R_2R_3g_ms^4 + C_2C_5L_3L_5R_2s^3 + C_2L_3L_5R_2g_ms^3 + C_2L_3L_5R_2g_ms^3 + C_2L_3L_5R_2g_ms^3 + C_2L_3R_2s^3 + C_$

10.336 INVALID-ORDER-336 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

 L_3R_3s $(C_2C_5L_5R_2g_ms$

 $\frac{C_3C_3C_5L_3L_5R_2R_3g_ms^5 + C_2C_3C_5L_3L_5R_2R_3g_ms^5 + C_2C_3C_5L_3R_2R_3R_5g_ms^4 + C_2C_3C_5L_3R_2R_3g_ms^5 + C_2C_3L_3R_2R_3g_ms^5 + C_2C_5L_3R_2R_3g_ms^5 + C_2C_$

10.337 INVALID-ORDER-337 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_3L_5R_2R_3R_5s^5 + C_2C_3L_3L_5R_2R_3R_5g_ms^4 + C_2C_3L_3L_5R_2R_3s^4 + C_2C_3L_3L_5R_3R_5s^4 + C_2C_3L_3L_5R_2R_3R_5s^3 + 2C_2C_5L_3L_5R_2R_3R_5s^4 + C_2C_5L_3L_5R_2R_3R_5s^4 + C_2C_5L_3L_5R_3R_5s^4 + C_2C_5L_3L_5R_5R_5s^4 + C_2C_5L_3L_5R_5R_5s^4 + C_2C_5L_5R_5R_5R_5s^4 + C_2C_5L_5R_5R_5s^4 + C_2C_5L_5R_5$

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10.338 INVALID-ORDER-338 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{1}{C_2C_3C_5L_3L_5R_2R_3R_5g_ms^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_3R_5s^5 + C_2C_3L_3L_5R_3g_ms^4 + C_2C_3L_3L_5R_3s^4 + C_2C_3L_3R_2R_3s^3 + C_2C_3L_3R_3R_5s^3 + C_2C_3L_3R_3R_5s^3 + C_2C_3L_3L_5R_2R_3g_ms^4 + C_2C_5L_3L_5R_2R_3g_ms^4 + C_2C_5L_3L_5R_2R_3g_ms^4 + C_2C_3L_3R_3R_5s^3 + C_2C_3L_3R_5s^3 + C_2C_3L_3R_5s
10.339 INVALID-ORDER-339 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)
H(s) = \frac{1}{C_2C_3C_5L_3L_5R_2R_3R_5g_ms^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_2R_3R_5s^4 + C_2C_3L_3R_2R_3R_5g_ms^3 + C_2C_3L_3R_2R_3s^3 + C_2C_3L_3R_2R_3R_3s^3 + C_2C_3L_3R_3R_3s^3 + C_2C_3L_3R_3R_3s
10.340 INVALID-ORDER-340 Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ R_5, \ \infty\right)
                                          \frac{\left(C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}\right)\left(C_{2}R_{2}R_{5}g_{m}s-C_{2}R_{2}s+C_{2}R_{5}s+R_{5}g_{m}-1\right)}{2C_{2}C_{3}L_{3}R_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}L_{3}R_{2}s^{3}+4C_{2}C_{3}L_{3}R_{2}s^{3}+4C_{2}C_{3}L_{3}R_{2}s^{3}+2C_{2}L_{3}R_{2}g_{m}s^{2}+4C_{2}L_{3}s^{2}+2C_{2}R_{2}g_{m}s+C_{2}R_{2}s+4C_{2}R_{3}s+C_{2}R_{5}s+2C_{3}L_{3}R_{3}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{3}R_{5}g_{m}s^{2}+C_{3}L_{
10.341 INVALID-ORDER-341 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(-C_2C_5R_2s^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{2C_2C_3C_5L_3R_2g_ms^4 + C_2C_3C_5L_3R_2s^4 + 4C_2C_3C_5L_3R_3s^4 + C_2C_3L_3s^3 + 2C_2C_5L_3s^3 + 2C_2C_5L_3s^3 + 2C_2C_5R_2s^2 + 4C_2C_5R_3s^2 + C_2R_2g_ms + C_2s + 2C_3C_5L_3R_3g_ms^3 + C_3C_5L_3s^3 + 2C_5L_3g_ms^2 + 2C_5L_
10.342 INVALID-ORDER-342 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (C_3L_3R_3s^2 + L_3s + R_3)(C_2C_5R_2R_5s^2 - C_2R_2R_5g_ms)
H(s) = -\frac{(C_3L_3R_3s + L_3s + R_3)(C_2C_5R_2R_5s - C_2R_2R_5g_ms - C_2R_2R_
10.343 INVALID-ORDER-343 Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \left(C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}\right)\left(C_{2}C_{5}R_{2}R_{5}g_{m}s^{2}-C_{2}C_{5}R_{2}s^{2}+C_{2}C_{5}R_{5}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s+C_{5}R_{5}g_{m}s-C_{5}s+g_{m}\right)
H(s) = \frac{(C_3L_3R_3s^2 + L_3s + R_3)\left((C_2C_5R_2R_5g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_5s + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{2C_2C_3C_5L_3R_2g_ms^4 + C_2C_3C_5L_3R_2g_ms^3 + C_2C_5L_3R_2g_ms^3 + C_2C_5L_3R_2g_ms^3 + C_2C_5R_2g_ms^3 + C_2
10.344 INVALID-ORDER-344 Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ L_5 s + \frac{1}{C_5 s}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (C_3L_3R_3s^2 + L_3s + R_3)(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s + g_m)
```

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_5s^3 - C_2C_5R_2s^3 + C_2R_2g_ms^3 + C_2S + C_5L_5g_ms^2 - C_5s + g_m\right)}{C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3R_2g_ms^4 + C_2C_3C_5L_3R_2g_ms^3 + C_2C_5L_3R_2g_ms^3 + C_2C_5L_3R_2g_ms^2 +$

 $(C_3L_3R_3s^2 + L_3s + R_3)(C_2C_5L_5R_2s^3 - C_2L_5R_2g_ms^2)$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_5R_2g_ms^3 + C_2C_5L_5s^3 + C_2C_5R_2g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_2s^2 +$

10.345 INVALID-ORDER-345 $Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

10.346 INVALID-ORDER-346 $Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)$

```
10.347 INVALID-ORDER-347 Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)
```

 $H(s) = -\frac{1}{2C_2C_3C_5L_3L_5R_2R_3R_5g_ms^5 + C_2C_3C_5L_3L_5R_2R_5s^5 + 4C_2C_3C_5L_3L_5R_3R_5s^5 + 2C_2C_3L_3L_5R_2R_3g_ms^4 + C_2C_3L_3L_5R_2s^4 + 4C_2C_3L_3L_5R_3s^4 + C_2C_3L_3L_5R_3s^4 + C_$

10.348 INVALID-ORDER-348
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_3L_5R_2R_3g_ms^5 + C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3L_5R_3s^5 + C_2C_3L_3L_5R_2s^5 + C_2C_3L_3L_5R_$

10.349 INVALID-ORDER-349
$$Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_3L_5R_2R_3g_ms^5 + C_2C_3C_5L_3L_5R_2S_5g_ms^5 + C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3L_5R_3s^5 + 2C_2C_3C_5L_3R_2R_3S_5g_ms^4 + C_2C_3C_5L_3R_2R_3S_5g_ms^4 + C_2C_3C_5L_3R_3R_3S_5g_ms^4 + C_2C_3C_5L_3R_3R_3S_5g_ms^4 + C_2C_3C_5L_3R_3R_3S_5g_ms^4 + C_2C_3C_5L_3R_3R_3S_5g_ms^2 + C$

10.350 INVALID-ORDER-350
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, R_5, \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s + R_5 g_m - 1 \right)}{2 C_2 C_3 L_3 R_2 R_3 g_m s^3 + C_2 C_3 L_3 R_2 S^3 + 4 C_2 C_3 L_3 R_3 s^3 + C_2 C_3 L_3 R_5 g_m s^2 + C_2 C_3 R_2 R_3 s^2 + C_2 C_3 R_2 R_3 s^2 + C_2 C_3 R_3 R_5 s^2 + 2 C_2 R_2 R_3 g_m s + C_2 R_2 R_5 g_$

10.351 INVALID-ORDER-351
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(-C_2 C_5 R_2 s^2 + C_2 R_2 g_m s + C_2 s - C_5 s + g_m \right)}{2 C_2 C_3 C_5 L_3 R_2 R_3 g_m s^4 + C_2 C_3 C_5 L_3 R_2 s^4 + 4 C_2 C_3 C_5 L_3 R_3 s^4 + C_2 C_3 C_5 R_2 R_3 s^3 + C_2 C_3 L_3 s^3 + C_2 C_3 L_3 s^3 + C_2 C_3 R_3 s^2 + 2 C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 R_2 g_m s + C_2 s + 2 C_3 C_5 L_3 R_3 g_m s^3 + C_3 C_5 L_3 s^3 + C_3$

10.352 INVALID-ORDER-352
$$Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{R_5}{C_5 R_5 s + 1}, \ \infty\right)$$

 $H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 C_5 R_2 R_5 s^2 - C_2 R_2 R_3 R_5 s^2 + C_2 C_3 L_3 R_2 R_3 R_5 g_m s^4 + C_2 C_3 C_5 L_3 R_2 R_3 R_5 g_m s^4 + C_2 C_3 C_5 L_3 R_2 R_3 R_5 g_m s^3 + C_2 C_3 L_3 R_2 R_3 g_m s^3 + C_2 C_3 R_2 R_3 R_5 g_m s^3 + C_2 C_3 R_3 R_5 g_m s^3 + C_2 C_$

10.353 INVALID-ORDER-353
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_2 C_5 R_2 R_5 g_m s^2 - C_2 C_5 R_2 s^2 + C_2 C_5 R_5 s^2 + C_2 R_2 g_m s + C_2 C_3 R_2 R_3 g_m s^4 + C_2 C_3 C_5 L_3 R_2 R_3 g_m s^4 + C_2 C_3 C_5 L_3 R_2 S_3 + C_2 C_3 C_5 R_2 R_3 g_m s^3 + C_2 C_3 R_3 S_3 + C_2 C_$

10.354 INVALID-ORDER-354
$$Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ L_5 s + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 s^3 - C_2 C_5 R_2 s^2 + C_2 R_2 g_m s + C_2 C_3 C_5 L_3 L_5 R_2 g_m s^4 + C_2 C_3 C_5 L_3 L_5 R_2 g_m s^4 + C_2 C_3 C_5 L_3 R_2 g_m s^4 + C_2 C_3 C_5 L_3 R_2 g_m s^4 + C_2 C_3 C_5 L_3 R_2 g_m s^4 + C_2 C_3 C_5 L_5 R_2 g_m s^4 + C_2 C_3 C_5 L_5 R_3 g_m s^4 + C_2 C_3 C_5 L_5 R_3 g_m s^4 + C_2 C_3 C_5 L_5 R_2 g_m s^3 + C_2 C_3 L_3 R_3 g_m s^3 + C_2 C_3 L_3$

10.355 INVALID-ORDER-355
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

 $H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 C_5 L_5 R_2 s^3 - C_2 L_5 R_3 s^2 + C_2 C_3 C_5 L_3 L_5 R_2 s^3 + C_2 C_3 L_5 R_2 s^3 + C_$

10.356 INVALID-ORDER-356
$$Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5s^5 + 2C_2C_3C_5L_3R_2g_ms^4 + C_2C_3C_5L_3R_2s^4 + 4C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L_3R_3s^4 + C_2C_$

10.357 INVALID-ORDER-357
$$Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_3L_5R_2R_3R_5g_ms^5 + C_2C_3C_5L_3L_5R_2R_5s^5 + 4C_2C_3C_5L_3L_5R_3R_5s^5 + C_2C_3C_5L_3L_5R_2R_3g_ms^4 + C_2C_3L_3L_5R_2s^4 + 4C_2C_3L_3L_5R_3s^4 + C_2C_3L_3L_5R_2s^4 + 4C_2C_3L_3L_5R_3s^4 + C_2C_3L_3L_5R_3s^4 +$

10.358 INVALID-ORDER-358
$$Z(s) = \left(\infty, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_3L_5R_2R_3g_ms^5 + C_2C_3C_5L_3L_5R_2s^5 + C_2C_3C_5L_3L_5R_2s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_3R_5s^4 + C_2C_3L_3L_5R_2s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3$

10.359 INVALID-ORDER-359
$$Z(s) = \left(\infty, R_2 + \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty\right)$$

 $\overline{2C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}R_{3}g_{m}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}R_{5}g_{m}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}s^{5} + 4C_{2}C_{3}C_{5}L_{3}L_{5}R_{3}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}R_{5}s^{5} + 2C_{2}C_{3}C_{5}L_{3}R_{2}R_{3}R_{5}g_{m}s^{4} + C_{2}C_{3}C_{5}L_{3}R_{2}R_{3}R_{5}g_{m}s^{4} + C_{2}C_{3}C_{5}L_{3}R_{2}R_{3}R_{5}s^{4} + C_{2}C_{3}C_{5}L_{3}R_{3}R_{5}s^{4} + C_{2}C_{3}C_{5}L_{3$

10.360 INVALID-ORDER-360 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 s^3 + C_2 L_2 g_m s^2 + C_2 s - C_5 s + g_m \right)}{2C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 s^3 + 4C_2 C_5 R_3 s^2 + C_2 L_2 g_m s^2 + C_2 s + 2C_5 R_3 g_m s + C_5 s + g_m}$$

10.361 INVALID-ORDER-361 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_5 s^3 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1\right)}{2 C_2 C_5 L_2 R_3 R_5 g_m s^3 + C_2 C_5 L_2 R_5 s^3 + 4 C_2 C_5 R_3 R_5 s^2 + 2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 s^2 + 4 C_2 R_3 s + C_2 R_5 s + 2 C_5 R_3 R_5 g_m s + C_5 R_5 s + 2 R_3 g_m + R_5 g_m + 1}$$

10.362 INVALID-ORDER-362 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 s + C_5 R_5 g_m s - C_5 s + g_m \right)}{2 C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_5 g_m s^3 + C_2 C_5 L_2 s^3 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 s + 2 C_5 R_3 g_m s + C_5 R_5 g_$$

10.363 INVALID-ORDER-363 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 g_m s^4 - C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + C_2 L_2 g_m s^2 + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m \right)}{C_2 C_5 L_2 L_5 g_m s^4 + 2 C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + 4 C_2 C_5 R_3 s^2 + C_2 L_2 g_m s^2 + C_2 s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 s + g_m r^2 + 2 C_5 R_3 r^2 + C_5 R_3 r^2 + C_5 R_5 r^2 + C_5 R_$$

10.364 INVALID-ORDER-364 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 s^4 + C_2 L_2 L_5 g_m s^3 - C_2 L_2 s^2 + C_2 L_5 s^2 - C_5 L_5 s^2 + L_5 g_m s - 1 \right)}{2 C_2 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_5 L_2 L_5 s^4 + 4 C_2 C_5 L_5 R_3 s^3 + C_2 L_2 L_5 g_m s^3 + 2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 s^2 + C_2 L_5 s^2 + 4 C_2 R_3 s + 2 C_5 L_5 R_3 g_m s^2 + C_5 L_5 s^2 + L_5 g_m s + 2 R_3 g_m + 1 C_5 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m s^2 +$$

10.365 INVALID-ORDER-365 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 g_m s^4 + C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 s + C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_5 L_2 L_5 g_m s^4 + 2 C_2 C_5 L_2 R_5 g_m s^3 + C_2 C_5 L_2 s^3 + C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + 4 C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 R_5 g_m s + C_5 R_5$

10.366 INVALID-ORDER-366 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

 $H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 R_5 s^4 + C_2 L_2 L_5 R_5 g_m s^3 - C_2 L_2 L_5 s^3 - C_2 L_2 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5 \right)}{2 C_2 C_5 L_2 L_5 R_3 R_5 g_m s^4 + C_2 C_5 L_2 L_5 R_3 g_m s^3 + C_2 L_2 L_5 R_3 g_m s^3 + C_2 L_2 L_5 R_3 g_m s^3 + C_2 L_2 L_5 R_3 g_m s^2 + C_2 L_2 R_3 R_5 g_m s^2 + C_2 L_5 R_3 g_m s^2 + C_2 L_5 R_3 g_m s^2 + C_5 L_5 R_5 g_m s^2 +$

10.367 INVALID-ORDER-367 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_5 g_m s^4 - C_2 C_5 L_2 L_5 s^4 + C_2 C_5 L_5 R_5 s^3 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 L_5 s^2 + C_2 R_5 s + C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m - 1 \right)}{2 C_2 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_5 L_2 L_5 s^4 + 4 C_2 C_5 L_5 R_5 s^3 + C_2 L_2 L_5 g_m s^3 + 2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 s^2 + C_2 L_5 s^2 + 4 C_2 R_3 s + C_2 R_5 g_m s^2 + C_5 L_5 R_5 g_m$

10.368 INVALID-ORDER-368 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ R_3, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_5 g_m s^4 - C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_2 R_5 s^3 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s + C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 - C_5 R_5 s + R_5 g_m - 1 \right)}{2 C_2 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_5 L_2 L_5 R_5 g_m s^3 + C_2 C_5 L_2 R_5 g_m s^3 + C_2 C_5 L_2 R_5 g_m s^3 + C_2 C_5 L_2 R_5 g_m s^2 + C_2 L_2$

10.369 INVALID-ORDER-369 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s + R_5 g_m - 1}{C_2 C_3 L_2 R_5 g_m s^3 + C_2 C_3 L_2 s^3 + C_2 C_3 R_5 s^2 + 2C_2 L_2 g_m s^2 + 4C_2 s + C_3 R_5 g_m s + C_3 s + 2g_m}$$

10.370 INVALID-ORDER-370 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{-C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s - C_5s + g_m}{s\left(C_2C_3C_5L_2s^3 + C_2C_3L_2g_ms^2 + C_2C_5L_2g_ms^2 + 4C_2C_5s + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.371 INVALID-ORDER-371 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{-C_2C_5L_2R_5s^3 + C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_5s - C_5R_5s + R_5g_m - 1}{C_2C_3C_5L_2R_5s^4 + C_2C_3L_2S^3 + C_2C_3L_2s^3 + C_2C_3R_5s^2 + 2C_2C_5L_2R_5g_ms^3 + 4C_2C_5R_5s^2 + 2C_2L_2g_ms^2 + 4C_2s + C_3C_5R_5s^2 + C_3R_5g_ms + C_3s + 2C_5R_5g_ms + 2g_ms^2 + 4C_2s + C_3C_5R_5s^2 + C_3C_5R_5s^2 + 2C_3C_5R_5s^2 + 2$$

10.372 INVALID-ORDER-372 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_5s^2 + C_2L_2g_ms^2 + C_2s + C_5R_5g_ms - C_5s + g_m}{s\left(C_2C_3C_5L_2R_5g_ms^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5R_5s^2 + C_2C_3L_2g_ms^2 + C_2C_5L_2g_ms^2 + 4C_2C_5s + C_3C_5R_5g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.373 INVALID-ORDER-373 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_5s^3 + C_2L_2g_ms^2 + C_2s + C_5L_5g_ms^2 - C_5s + g_m}{s\left(C_2C_3C_5L_2S_ms^4 + C_2C_3C_5L_2s^3 + C_2C_3L_2g_ms^2 + C_2C_3L_2g_ms^2 + C_2C_5L_2g_ms^2 + 4C_2C_5s + C_3C_5L_5g_ms^2 + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.374 INVALID-ORDER-374 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)$

$$H(s) = \frac{-C_2C_5L_2L_5s^4 + C_2L_2L_5g_ms^3 - C_2L_2s^2 + C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1}{C_2C_3C_5L_2L_5s^5 + C_2C_3L_2L_5g_ms^4 + C_2C_3L_2s^3 + C_2C_3L_5s^3 + 2C_2C_5L_2L_5g_ms^4 + 4C_2C_5L_5s^3 + 2C_2L_2g_ms^2 + 4C_2s + C_3C_5L_5s^3 + C_3L_5g_ms^2 + C_3s + 2C_5L_5g_ms^2 + 2G_3L_5s^3 + C_3L_5g_ms^3 - C_3L_5g_m$$

10.375 INVALID-ORDER-375 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_2L_5g_ms^4 + C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5L_5s^3 + C_2C_5R_5s^2 + C_2L_2g_ms^2 + C_2s + C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m}{s\left(C_2C_3C_5L_2L_5g_ms^4 + C_2C_3C_5L_2s^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5R_5s^2 + C_2C_3L_2g_ms^2 + C_2C_3s + 2C_2C_5L_2g_ms^2 + 4C_2C_5s + C_3C_5L_5g_ms^2 + C_3C_5R_5g_ms + C$$

10.376 INVALID-ORDER-376 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

$$H(s) = \frac{-C_2C_5L_2L_5R_5s^4 + C_2L_2L_5s^3 - C_2L_2L_5s^3 - C_2L_2R_5s^2 + C_2L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5}{C_2C_3C_5L_2L_5R_5s^5 + C_2C_3L_2L_5s^4 + C_2C_3L_2R_5s^3 + C_2C_5L_2L_5R_5g_ms^4 + 4C_2C_5L_5R_5s^3 + 2C_2L_2L_5g_ms^3 + 2C_2L_2L_5g_ms^3 + 2C_2L_2L_5g_ms^3 + 2C_2L_2R_5g_ms^2 + 4C_2L_5s^2 + 4C_2R_5s^2 + C_3L_5s^3 + C_3L_5s$$

10.377 INVALID-ORDER-377 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

$$H(s) = \frac{C_2C_5L_2L_5R_5g_ms^4 - C_2C_5L_2L_5s^4 + C_2C_5L_2L_5s^4 + C_2C_5L_2E_5g_ms^3 + C_2L_2E_5g_ms^3 + C_2L_2E_5g_ms^2 - C_2L_2s^2 + C_2E_5s^2 + C_2E_5s^2 + C_5E_5s^2 + L_5g_ms + R_5g_m - 1}{C_2C_3C_5L_2L_5g_ms^5 + C_2C_3C_5L_2E_5g_ms^5 + C_2C_3C_5L_2E_5g_ms^4 + C_2C_3L_2E_5g_ms^4 + C_2C_3L_2E_5$$

10.378 INVALID-ORDER-378 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$

$$H(s) = \frac{C_2C_5L_2L_5R_5g_ms^4 - C_2C_5L_2L_5s^4 - C_2C_5L_2R_5s^3 + C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1}{C_2C_3C_5L_2L_5R_5g_ms^5 + C_2C_3C_5L_2R_5s^4 + C_2C_3L_2R_5g_ms^3 + C_2C_3L_2s^3 + C_2C_5L_2L_5g_ms^4 + 2C_2C_5L_2R_5g_ms^3 + 4C_2C_5L_5s^3 + 4C_2C_5L_5s^$$

10.379 INVALID-ORDER-379 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 L_2 R_3 R_5 g_m s^3 + C_2 C_3 L_2 R_3 s^3 + C_2 C_3 R_3 R_5 s^2 + 2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 s^2 + 4 C_2 R_3 s + C_2 R_5 s + C_3 R_3 R_5 g_m s + C_3 R_3 s + 2 R_3 g_m + R_5 g_m + 1}$$

10.380 INVALID-ORDER-380 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 s^3 + C_2 L_2 g_m s^2 + C_2 s - C_5 s + g_m \right)}{C_2 C_3 C_5 L_2 R_3 s^4 + C_2 C_3 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 s^3 + 4 C_2 C_5 R_3 s^2 + C_2 L_2 g_m s^2 + C_2 s + C_3 C_5 R_3 s^2 + C_3 R_3 g_m s + 2 C_5 R_3 g_m s + C_5 s + g_m r^2 + C_5 R_3 r^2 + C_5 R$$

10.381 INVALID-ORDER-381 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_5 s^3 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 C_5 L_2 R_3 R_5 s^4 + C_2 C_3 L_2 R_3 R_5 g_m s^3 + C_2 C_3 L_2 R_3 R_5 g_m s^3 + C_2 C_3 L_2 R_3 R_5 g_m s^3 + C_2 C_5 L_2 R_3 R_5 g_m s^3 + C_2 C_5 L_2 R_3 R_5 g_m s^2 + C_2 L_2 R_5$$

10.382 INVALID-ORDER-382 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 s + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_3 C_5 L_2 R_3 R_5 g_m s^4 + C_2 C_3 C_5 L_2 R_3 s^4 + C_2 C_3 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_5 g_m s^3 + C_2 C_5 L_2 S^3 + 4 C_2 C_5 R_3 s^2 + C_2 S_5 R_3 S^2 + C_3 C_5 R_3 S^2 +$$

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10.383 INVALID-ORDER-383 Z(s) = \left( \infty, \ L_2s + \frac{1}{C_2s}, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty \right)
H(s) = \frac{R_3 \left( C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s + C_5L_5g_ms^2 - C_5s + g_m \right)}{C_2C_3C_5L_2L_5R_3g_ms^5 + C_2C_3C_5L_2R_3g_ms^3 + C_2C_3L_2R_3g_ms^3 + C_2C_5L_2L_5g_ms^4 + 2C_2C_5L_2R_3g_ms^3 + C_2C_5L_2s^3 + 4C_2C_5R_3g_ms^3 + C_2C_5L_2s^3 + 4C_2C_5R_3g_ms^3 + C_2C_5L_2s^3 + 4C_2C_5R_3g_ms^3 + C_2C_5L_2g_ms^2 + C_2s + C_3C_5L_3g_ms^3 + C_2C_5L_2s^3 + 4C_2C_5R_3g_ms^3 + C_2C_5L_2g_ms^2 + C_2s + C_3C_5L_3g_ms^3 + C_2C_5L_2g_ms^2 + C_2s + C_3C_5L_3g_ms^3 + C_2C_5L_2g_ms^3 + C_2C_5L_2s^2 + C_2L_2g_ms^3 + C_2C_5L_2g_ms^3 + C_2C_5L_2g_ms^
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 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 g_m s^4 + C_2 C_5 L_2 s^3 + C_2$

10.386 INVALID-ORDER-386 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

 $H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 R_5 s^4 + C_2 L_2 L_5 R_5 g_m s^3 - C_2 L_2 L_5 s^3 - C_2 L_2 R_5 s^2 + C_2 L_5 R_5 s^2 + L_5 R_5 g_m s^3 - C_2 L_2 L_5 R_3 R_5 s^3 + C_2 L_2 L_5 R_3 R_5 g_m s^4 + C_2 C_3 L_2 R_5 g_m s^4 +$

10.387 INVALID-ORDER-387 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_5 g_m s^4 - C_2 C_5 L_2 L_5 s^4 + C_2 C_5 L_2 L_5 g_m s^3 + C_2 L_2 R_5 g_m s^3 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 - C_2 R_5 g_m s^4 + C_2 C_5 L_2 L_5 R_3 R_5 g_m s^4 + C_2 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_5 L_5 L_5 R_5 g_m s^4 + C_2 C_5 L_5 R_$

10.388 INVALID-ORDER-388 $Z(s) = \left(\infty, \ L_2s + \frac{1}{C_2s}, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_5 g_m s^4 - C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_2 R_5 s^3 + C_2 C_5 L_5 R_5 s^3 + C_2 C_5 L_2 R_5 R_5 g_m s^4 + C_2 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_5 L_2 R_5 R_5 g_m s^4 + C_2 C_$

10.389 INVALID-ORDER-389 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

 $H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}L_{2}R_{5}g_{m}s^{2}-C_{2}L_{2}s^{2}+C_{2}R_{5}s+R_{5}g_{m}-1\right)}{2C_{2}C_{3}L_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}L_{2}R_{5}g_{m}s^{3}+4C_{2}C_{3}R_{3}s^{2}+C_{2}C_{3}R_{5}s^{2}+2C_{2}L_{2}g_{m}s^{2}+4C_{2}s+2C_{3}R_{3}g_{m}s+C_{3}R_{5}g_{m}s+C_{3}s+2g_{m}s+C_{3}R_{5}g_{m}s+C_{3}R_{5$

10.390 INVALID-ORDER-390 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(-C_{2}C_{5}L_{2}s^{3}+C_{2}L_{2}g_{m}s^{2}+C_{2}s-C_{5}s+g_{m}\right)}{s\left(2C_{2}C_{3}C_{5}L_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}C_{5}L_{2}s^{3}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+4C_{2}C_{5}s+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}s+C_{3}g_{m}+2C_{5}g_{m}\right)}$

10.391 INVALID-ORDER-391 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

 $H(s) = -\frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}R_{5}s^{3}-C_{2}L_{2}R_{5}g_{m}s^{2}+C_{2}L_{2}s^{2}-C_{2}R_{5}s-R_{5}g_{m}+1\right)}{2C_{2}C_{3}C_{5}L_{2}R_{3}g_{m}s^{4}+C_{2}C_{3}C_{5}L_{2}R_{5}s^{4}+4C_{2}C_{3}C_{5}R_{3}R_{5}s^{3}+2C_{2}C_{3}L_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}L_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}L_{2}S_{3}s^{2}+2C_{2}C_{5}L_{2}R_{5}g_{m}s^{3}+4C_{2}C_{5}R_{5}s^{2}+2C_{2}L_{2}g_{m}s^{2}+4C_{2}s+2C_{3}C_{5}R_{3}R_{5}g_{m}s^{2}+C_{3}C_{5}R_{5}s^{2}+2C_{3}C_{3}R_{3}g_{m}s+C_{3}R_{5}g_{m}s+C_{3}R_{5}g_{m}s+C_{3}R_{5}g_{m}s^{2}+C_{4}C_{5}R_{5}s^{2}+2C_{5}C_{5}R_{5}s^{2$

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10.392 INVALID-ORDER-392 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
                                                                                                              H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}R_{5}g_{m}s^{3}-C_{2}C_{5}L_{2}s^{3}+C_{2}C_{5}R_{5}s^{2}+C_{2}L_{2}g_{m}s^{2}+C_{2}s+C_{5}R_{5}g_{m}s-C_{5}s+g_{m}\right)}{s\left(2C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{3}+C_{2}C_{3}C_{5}L_{2}s^{3}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}C_{5}R_{5}s^{2}+C_{2}C_{3}L_{2}g_{m}s^{2}+C_{2}C_{3}L_{2}g_{m}s^{2}+4C_{2}C_{5}s+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}s+C_{3}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C_{3}C_{5}R_{5}g_{m}s+C
10.393 INVALID-ORDER-393 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                                                                                                             10.394 INVALID-ORDER-394 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = -\frac{(C_3R_3s+1)\left(C_2C_5L_2L_5s^4 - C_2L_2L_5g_ms^3 + C_2L_2s^2 - C_2L_5s^2 + C_5L_5s^2 - L_5g_ms + 1\right)}{2C_2C_3C_5L_2L_5R_3g_ms^5 + C_2C_3C_5L_2L_5s^4 + C_2C_3L_2L_5g_ms^4 + 2C_2C_3L_2S^3 + C_2C_3L_2s^3 + C_2C_3L_5s^3 + 4C_2C_3R_3s^2 + 2C_2C_5L_2L_5g_ms^4 + 4C_2C_5L_5s^3 + 2C_2L_2g_ms^2 + 4C_2s + 2C_3C_5L_5R_3g_ms^3 + C_3C_5L_5s^3 + C_3C_5L_
10.395 INVALID-ORDER-395 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5g_ms^4 + C_2C_5L_2Sg_ms^3 - C_2C_5L_2s^3 + C_2C_5L_5s^3 + C_2C_5L_5s^3 + C_2C_5L_5s^3 + C_2S_5g_ms^2 + C_
10.396 INVALID-ORDER-396 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                             -\frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}L_{5}R_{5}s^{4}-C_{2}L_{2}L_{5}R_{5}g_{m}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}R_{5}s^{2}-C_{2}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5}L_
10.397 INVALID-ORDER-397 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5R_5g_ms^4 - C_2C_5L_2L_5s^4 + C_2C_5L_2S^3 + C_2L_2L_5g_ms^3 + C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^3 + C_2C_3L_5R_3g_ms^5 + C_2C_3L_5R_3g_ms^5 + C_2C_3L_5R_5g_ms^5 + C_2C_3L_5S_3 + C_2C
10.398 INVALID-ORDER-398 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10.399 INVALID-ORDER-399 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                                                       H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_5s + R_5g_m - 1\right)}{2C_2C_3L_2L_3g_ms^4 + C_2C_3L_2R_5g_ms^3 + C_2C_3L_2s^3 + 4C_2C_3L_3s^3 + C_2C_3R_5s^2 + 2C_2L_2g_ms^2 + 4C_2s + 2C_3L_3g_ms^2 + C_3R_5g_ms + C_3s + 2g_ms^2 + 2C_3L_3g_ms^2 + C_3R_5g_ms + C_3s + 2g_ms^2 + 2G_3L_3g_ms^2 + 2G_3L_3g_ms^2
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10.400 INVALID-ORDER-400
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ L_3 s + \frac{1}{C_3 s}, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)$$

$$H(s) = \frac{\left(C_3 L_3 s^2 + 1\right) \left(-C_2 C_5 L_2 s^3 + C_2 L_2 g_m s^2 + C_2 s - C_5 s + g_m\right)}{s \left(2C_2 C_3 C_5 L_2 L_3 g_m s^4 + C_2 C_3 C_5 L_2 s^3 + 4C_2 C_3 C_5 L_3 g_m s^2 + C_2 C_3 s + 2C_2 C_5 L_2 g_m s^2 + 4C_2 C_5 s + 2C_3 C_5 L_3 g_m s^2 + C_3 C_5 s + C_3 g_m + 2C_5 g_m\right)}$$

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H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2R_5s^3 - C_2L_2R_5g_ms^2 + C_2L_2s^2 - C_2R_5s + C_5R_5s - R_5g_m + 1\right)}{2C_2C_3C_5L_2L_3R_5g_ms^5 + C_2C_3C_5L_2R_5s^4 + 4C_2C_3L_2R_5g_ms^3 + C_2C_3L_2S^3 + 4C_2C_3L_2S^3 + 4C_2C_3L_2S^3 + 4C_2C_5L_2R_5g_ms^3 + 4C_2C_5R_5s^2 + 2C_2L_2g_ms^2 + 4C_2s + 2C_3C_5L_3R_5g_ms^3 + C_3C_5R_5s^2 + 2C_3L_3g_ms^3 + C_3C_3R_5s^2 + 2C_3R_5s^2 + 
10.402 INVALID-ORDER-402 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                   H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_5s^2 + C_2L_2g_ms^2 + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2R_5g_ms^4 + C_2C_3C_5L_2S^3 + 4C_2C_3C_5L_2s^3 + 4C_2C_3C_5R_5s^2 + C_2C_3L_2g_ms^2 + C_2C_5L_2g_ms^2 + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5R_5g_ms + C_3C_5s + C_3g_ms + C_3G_5s + 
10.403 INVALID-ORDER-403 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                 H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2L_3g_ms^4 + C_2C_3C_5L_2s^3 + 4C_2C_3C_5L_3s^3 + C_2C_3L_2g_ms^2 + C_2C_5L_2g_ms^2 + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5L_5g_ms^2 + C_3C_5L_3g_ms^2 + C
10.404 INVALID-ORDER-404 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5s^4 - C_2L_2L_5g_ms^3 + C_2L_2s^2 - C_2L_5s^2 + C_5L_5s^2 - L_5g_ms + 1\right)}{2C_2C_3C_5L_2L_3L_5g_ms^6 + C_2C_3C_5L_2L_5s^5 + 4C_2C_3L_2L_3g_ms^4 + C_2C_3L_2L_3g_ms^4 + C_2C_3L_2s^3 + 4C_2C_3L_5s^3 + 2C_2C_5L_2L_5g_ms^4 + 4C_2C_5L_5s^3 + 2C_2L_2g_ms^2 + 4C_2s + 2C_3C_5L_3L_5g_ms^4 + C_3C_5L_5s^3 + 2C_3L_3g_ms^2 + C_3L_5g_ms^2 + C_3L_5g_ms
10.405 INVALID-ORDER-405 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5g_ms^4 + C_2C_5L_2g_ms^3 - C_2C_5L_2s^3 + C_2C_5L_2s^3 + C_2C_5L_2s^3 + C_2C_5L_2g_ms^2 + C_2s + C_5L_5g_ms^2 + C_5s_gms^2 + C_5s_gm
10.406 INVALID-ORDER-406 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (C_3L_3s^2+1)(C_2C_5L_2L_5R_5s^4-C_2L_2L_5R_5g_ms^3+C_2L_2L_5s^3+C_2L_2R_5s^2-C_2L_5R_5s^2+C_5g_ms^3+C_2L_2L_5s^3+C_2L_2R_5s^2+C_5g_ms^3+C_2L_2L_5s^3+C_2L_2R_5s^2+C_5g_ms^3+C_2L_2L_5s^3+C_2L_2R_5s^2+C_5g_ms^3+C_2L_2R_5s^2+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_5g_ms^3+C_
                                                             \frac{\left(C_3L_3s^2+1\right)\left(C_2C_5L_2L_5R_5s^3-C_2L_2L_5R_5g_ms^3+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_5s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2L_2s^5+C_2L_2s^5+C_2L_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+C_2L_2s^5+
10.407 INVALID-ORDER-407 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5R_5g_ms^4 - C_2C_5L_2L_5s^4 + C_2C_5L_5R_5s^3 + C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2L_5s^2 + C_2R_5s + C_5L_5R_5g_ms^2 - C_5L_5s^2 + C_5R_5g_ms^2 - C_5L_5s^2 + C_5R_5g_ms^2 - C_5L_5s^2 + C_5R_5g_ms^2 - C_5R_5s^2 + C_5R_5g_ms^2 - C_5R_
10.408 INVALID-ORDER-408 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ L_3 s + \frac{1}{C_3 s}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)
                                                 \left(C_{3}L_{3}s^{2}+1\right)\left(C_{2}C_{5}L_{2}L_{5}R_{5}g_{m}s^{4}-C_{2}C_{5}L_{2}L_{5}s^{4}-C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}L_{2}R_{5}g_{m}s^{2}-C_{2}C_{5}L_{2}L_{5}R_{5}g_{m}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}R_{5}g_{m}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{5}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{5}L_{5}S^{5}+C_{2}C_{3}C_{5}L_{5}L_{5}S^{5}+C_{2}C
10.409 INVALID-ORDER-409 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                                                                      H(s) = \frac{L_3s\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_5s + R_5g_m - 1\right)}{C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_2L_3s^4 + C_2C_3L_3R_5s^3 + 2C_2L_2L_3g_ms^3 + C_2L_2R_5g_ms^2 + C_2L_2s^2 + 4C_2L_3s^2 + C_2R_5s + C_3L_3R_5g_ms^2 + C_3L_3s^2 + 2L_3g_ms + R_5g_m + 1}
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10.401 INVALID-ORDER-401 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

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10.410 INVALID-ORDER-410 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                                                                                                                                  H(s) = \frac{L_3s\left(-C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s - C_5s + g_m\right)}{C_2C_3C_5L_2L_3s^5 + C_2C_3L_2L_3g_ms^4 + C_2C_5L_2L_3g_ms^4 + C_2C_5L_2s^3 + 4C_2C_5L_3s^3 + C_2L_2g_ms^2 + C_2s + C_3C_5L_3s^3 + C_3L_3g_ms^2 + 2C_5L_3g_ms^2 + C_5s + g_m}
10.411 INVALID-ORDER-411 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ \frac{R_5}{C_5 R_5 s + 1}, \ \infty\right)
H(s) = \frac{L_{3}s\left(-C_{2}C_{5}L_{2}R_{5}s^{3} + C_{2}L_{2}R_{5}g_{m}s^{2} - C_{2}L_{2}s^{2} + C_{2}R_{5}s - C_{5}R_{5}s + R_{5}g_{m} - 1\right)}{C_{2}C_{3}C_{5}L_{2}L_{3}R_{5}g_{m}s^{4} + C_{2}C_{3}L_{2}L_{3}s^{4} + C_{2}C_{3}L_{2}L_{3}R_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}R_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}R_{5}s^{3} + 4C_{2}C_{5}L_{2}R_{5}s^{3} + 2C_{2}L_{2}L_{3}g_{m}s^{3} + C_{2}L_{2}R_{5}g_{m}s^{2} + C_{2}L_{2}s^{2} + 4C_{2}L_{3}s^{2} + C_{2}R_{5}s + C_{3}C_{5}L_{3}R_{5}s^{3} + C_{3}L_{3}R_{5}g_{m}s^{2} + C_{5}L_{3}R_{5}g_{m}s^{2} + C_{5}L_{5}R_{5}g_{m}s^{2} + C_{
10.412 INVALID-ORDER-412 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}R_{5}g_{m}s^{3} - C_{2}C_{5}L_{2}s^{3} + C_{2}C_{5}R_{5}s^{2} + C_{2}L_{2}g_{m}s^{2} + C_{2}s + C_{5}R_{5}g_{m}s - C_{5}s + g_{m}\right)}{C_{2}C_{3}C_{5}L_{2}L_{3}R_{5}g_{m}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{3}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{5}L_{2}S_{3}g_{m}s^{3} + C_{2}C_{5}L_{2}S_{3}s^{3} + C_{2}C_{5}L_{2}S_{3}s^{3
10.413 INVALID-ORDER-413 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}g_{m}s^{4} - C_{2}C_{5}L_{2}s^{3} + C_{2}L_{5}g_{m}s^{2} + C_{2}s + C_{5}L_{5}g_{m}s^{2} - C_{5}s + g_{m}\right)}{C_{2}C_{3}C_{5}L_{2}L_{3}g_{m}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{3}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{5}L_{2}S^{3} + C_{2}C_{5}L_{2}S^{3} + C_{2}C_{5}L_{3}S^{3} + C_{2}C_{5}L_{5}S^{3} + C_{2}C_{
10.414 INVALID-ORDER-414 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
H(s) = \frac{L_3s\left(-C_2C_5L_2L_5s^4 + C_2L_2L_5g_ms^3 - C_2L_2s^2 + C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1\right)}{C_2C_3C_5L_2L_3L_5s^6 + C_2C_3L_2L_3s^4 + C_2C_3L_2L_3s^4 + C_2C_5L_2L_3s_gms^5 + C_2C_5L_2L_5s^4 + 4C_2C_5L_2L_5s^4 + 4C_2C_5L_2L_5g_ms^3 + C_2L_2s^2 + 4C_2L_3s^2 + C_2L_2s^2 + 4C_2L_3s^2 + C_3L_3s^3 
10.415 INVALID-ORDER-415 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)
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 $H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}s^{3} + C_{2}C_{5}L_{2}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}L_{2}g_{m}s^{2} + C_{5}L_{5}g_{m}s^{2} + C_{5}L_{5}g_{m}s^{2} + C_{5}R_{5}g_{m}s - C_{5}s + g_{m}\right)}{C_{2}C_{3}C_{5}L_{2}L_{3}L_{5}g_{m}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{3}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{3}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}g_{m}s^{3} + C_{2}C_{5}L_{2}s^{3} + C_{2}C_{5}L_{2}s^{3$

10.416 INVALID-ORDER-416 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)$

 $L_{3}s\left(-C_{2}C_{5}L_{2}L_{5}R_{5}s^{4}+C_{2}L_{2}L_{5}R_{5}g_{m}s^{3}-C_{2}L_{2}L_{5}s^{3}-C_{2}L_{2}R_{5}s^{2}+C_{2}L_{5}R_{5}s^{2}-C_{5}L_{5}R_{5}s^{2}+L_{5}R_{5}s^{2}+C_{5}L_{5}R_{5}s^{2}+C_{5$ $H(s) = \frac{L_{3}s\left(-C_{2}C_{5}L_{2}L_{5}R_{5}s^{6} + C_{2}L_{2}L_{5}R_{5}g_{m}s^{5} - C_{2}L_{2}L_{5}s^{5} + C_{2}L_{2}L_{5}R_{5}s^{4} + C_{2}L_{5}R_{5}s^{4} + C_{2}L_{5}R_{5}s^{4} + C_{2}L_{5}L_{5}s^{5} +$

10.417 INVALID-ORDER-417 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $L_{3}s\left(C_{2}C_{5}L_{2}L_{5}R_{5}g_{m}s^{4}-C_{2}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{5}L_{5}R_{5}s^{3}+C_{2}L_{2}L_{5}g_{m}s^{3}+C_{2}L_{2}R_{5}g_{m}s^{2}-C_{2}L_{2}s^{2}+C_{2}L_{5}R_{5}s^{3}+C_{2}L_{5}R_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L_{5}g_{m}s^{2}+C_{2}L$

10.418 INVALID-ORDER-418 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$

 $L_{3}s\left(C_{2}C_{5}L_{2}L_{5}R_{5}g_{m}s^{4}-C_{2}C_{5}L_{2}L_{5}s^{4}-C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{5}R_{5}s^{3$ $H(s) = \frac{C_2C_3C_5L_2L_3C_5g_ms^6 + C_2C_3C_5L_2L_3S_5g_ms^6 + C_2C_3C_5L_2L_3S_5g_ms^6 + C_2C_3C_5L_2L_3S_5g_ms^6 + C_2C_3C_5L_2L_3S_5g_ms^6 + C_2C_3C_5L_2L_3S_5g_ms^6 + C_2C_3L_2L_3S_5g_ms^6 + C$

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10.420 INVALID-ORDER-420 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                                                    H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(-C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2g_ms^4 + 2C_2C_3C_5L_2g_ms^3 + C_2C_3C_5L_2s^3 + 4C_2C_3C_5L_3s^3 + 4C_2C_3C_5R_3s^2 + C_2C_3L_2g_ms^2 + C_2C_5L_2g_ms^2 + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + 2C_3C_5R_3g_ms + C_3C_5s + C_3g_m + 2C_5g_m\right)}
10.421 INVALID-ORDER-421 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (C_3L_3s^2 + C_3R_3s + 1)(C_2C_5L_2R_5s^3 - C_2L_2R_5g_ms^2 + C_2L_2s^2 - C_2R_5s + C_5R_5s - R_5g_m + 1)
                                              10.422 INVALID-ORDER-422 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_5s^2 + C_2L_2g_ms^2 + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2R_3g_ms^4 + 2C_2C_3C_5L_2R_3g_ms^3 + C_2C_3C_5L_2s^3 + 4C_2C_3C_5L_2s^3 + 4C_2C_3C_5R_3s^2 + C_2C_3C_5R_3s^2 + C_2C_3L_2g_ms^2 + C_2C_3S + 2C_2C_5L_2g_ms^2 + 4C_2C_5s + 2C_3C_5R_3g_ms + C_3C_5R_3g_ms + C_3C_5R_
10.423 INVALID-ORDER-423 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2L_3g_ms^4 + C_2C_3C_5L_2g_ms^4 + 2C_2C_3C_5L_2g_ms^3 + C_2C_3C_5L_2g_ms^2 + C_2C_3L_2g_ms^2 + C_2C_3L_2g_ms^2 + C_2C_3L_2g_ms^2 + C_2C_3C_5L_3g_ms^2 + C_2C_3C_5
10.424 INVALID-ORDER-424 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (C_3L_3s^2 + C_3R_3s + 1) (C_2C_5L_2L_5s^4 - C_2L_2L_5g_ms^3 + C_2L_2s^2 - C_2L_5s^2 + C_5L_5s^2 - L_5g_ms + 1) 
                                              \frac{\left(C_3L_3s^2+C_3R_3s+1\right)\left(C_2C_5L_2L_5s^4-C_2L_2L_5g_ms^6+C_2L_2s^2-C_2L_5s^2+C_5L_5s^2-L_5g_ms+1\right)}{2C_2C_3C_5L_2L_3L_5g_ms^6+2C_2C_3C_5L_2L_5g_ms^5+C_2C_3C_5L_2L_5s^5+4C_2C_3C_5L_2L_5g_ms^4+2C_2C_3L_2L_3g_ms^4+2C_2C_3L_2L_3g_ms^4+2C_2C_3L_2s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C_3L_3s^3+4C_2C
10.425 INVALID-ORDER-425 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2L_5g_ms^4 + C_2C_5L_2s^3 + C_2C_5L_2s^3 + C_2C_5L_5s^3 + C_2C_5L_5s^3 + C_2C_5L_5s^3 + C_2C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2L_3g_ms^4 + C_2C_3C_5L_2s^3 + C
10.426 INVALID-ORDER-426 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)
                                              -\frac{1}{2C_2C_3C_5L_2L_3L_5R_5g_ms^6 + 2C_2C_3C_5L_2L_5R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_5s^5 + 4C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3L_2L_3R_5g_ms^5 + 2C_2C_3L_2L_3R_5g_ms^4 + 2C_2C_3L_2L_5R_3g_ms^4 + 2C_2C_3L_2L_5R_5g_ms^4 + 2C
10.427 INVALID-ORDER-427 Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (C_3L_3s^2 + C_3R_3s + 1)(C_2C_5L_2L_5R_5g_ms^4 - C_2C_5L_2L_5s^4 + C_2C_5L_5R_5s^3 + C_2L_2L_5g_ms^3 + C_2L_2R_5g_ms^4)
                                    \frac{( \circ_3 L_3 \circ + 1) ( \circ_2 \circ_5 L_2 L_5 \eta_m \circ - \circ_2 \circ_5 L_2 L_5 \eta_m \circ - \circ_2 \circ_5 L_2 L_5 \circ_3 + \circ_2 L_5 \mu_5 \eta_m \circ - \circ_2 L_2 L_5 \eta
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 $H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_5s + R_5g_m - 1\right)}{2C_2C_3L_2L_3g_ms^4 + 2C_2C_3L_2R_3g_ms^3 + C_2C_3L_2s^3 + 4C_2C_3L_3s^3 + 4C_2C_3R_3s^2 + C_2C_3R_5s^2 + 2C_2L_2g_ms^2 + 4C_2s + 2C_3L_3g_ms^2 + 2C_3R_3g_ms + C_3R_5g_ms + C_3R_5g_ms$

10.419 INVALID-ORDER-419 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

10.428 INVALID-ORDER-428 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$

 $H(s) = \frac{(-3.2.5 + 1.2)(-3.2.5)(-3.2$

10.429 INVALID-ORDER-429 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, R_5, \infty\right)$

 $H(s) = \frac{L_3R_3s\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_5s + R_5g_m - 1\right)}{C_2C_3L_2L_3R_3s_5g_ms^4 + C_2C_3L_2L_3R_3s^4 + C_2C_3L_2L_3R_3g_ms^3 + C_2L_2L_3R_5g_ms^3 + C_2L_2L_3s^3 + C_2L_2R_3s_5g_ms^2 + C_2L_3R_3s^2 + C_2L_3R_3s^2$

10.430 INVALID-ORDER-430 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)$

 $H(s) = \frac{L_3R_3s\left(-C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s - C_5s + g_m\right)}{C_2C_3C_5L_2L_3R_3g_ms^4 + C_2C_3L_2R_3g_ms^4 + C_2C_5L_2R_3g_ms^4 + C_2C_5L_2R_3s^4 + C_2C_5L_2R_3s^3 + 4C_2C_5L_2R_3s^3 + C_2L_2R_3g_ms^3 + C_2L_2R_3g_ms^$

10.431 INVALID-ORDER-431 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

 $L_{3}R_{3}s\left(-C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}L_{2}R_{5}g_{m}s^{2}-C_{2}L_{2}s^{2}+C_{2}R_{5}s-C_{5}R_{5}s+R_{5}g_{m}-1\right)$ $H(s) = \frac{L_3 R_3 s \left(-C_2 C_5 L_2 R_5 s^3 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1\right)}{C_2 C_3 C_5 L_2 L_3 R_3 R_5 s^5 + C_2 C_3 L_2 L_3 R_3 R_5 s^3 + C_2 L_2 R_3 R_5$

10.432 INVALID-ORDER-432 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty\right)$

 $L_3R_3s\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_5s^2 + C_2L_2g_ms^2 + C_2s + C_5R_5g_ms - C_5s^2\right)$ $H(s) = \frac{L_3R_3s \left(C_2C_5L_2R_5g_ms^5 - C_2C_5L_2s^5 + C_2C_5R_5s^5 + C_2L_2g_ms^5 + C_2S_5R_5g_ms - C_5s^5 + C_2C_5R_5s^5 + C_2C_5R_5g_ms - C_5s^5 + C_5s$

10.433 INVALID-ORDER-433 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ L_5 s + \frac{1}{C_5 s}, \ \infty\right)$

 $H(s) = \frac{L_3 R_3 s \left(C_2 C_5 L_2 L_5 g_m s^4 - C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + C_2 L_2 g_m s^2 + C_2 s + C_5 L_5 g_m s^2 - C_5 s + C_5 L_5 g_m s^2 - C_5 s s^2 + C_5 L_5 L_5 R_3 g_m s^4 + C_5 L_5 L_5 R_5 g_m s^5 + C_5 L_5$

10.434 INVALID-ORDER-434 $Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)$

 $H(s) = \frac{L_3R_3s\left(-C_2C_5L_2L_5s^4 + C_2L_2L_5g_ms^3 - C_2L_2s^2 + C_2L_5s^2 - C_5L_5s^2 + L_5g_ms - 1\right)}{C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3L_2L_3L_5R_3s^6 + C_2C_3L_2L_3L_5R_3s^4 + C_2C_5L_2L_3L_5s^5 + C_2C_5L_2L_3L_5s^4 + C_2L_2L_3R_3s^4 + C_2L_2L_3s^3 + C_2$

10.435 INVALID-ORDER-435 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

 $\frac{L_{3}L_{5}S_{3}g_{m}s_{5}}{C_{2}C_{3}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+C_{2}C_{5}L_{2}L_{3}R_{3}g_{m}s_{5}+$

10.436 INVALID-ORDER-436 $Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_3R_5s^6 + C_2C_3L_2L_3L_5R_3R_5g_ms^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_5L_2L_3L_5R_3s^5 + C_2C_5L_3L_5R_3s^5 + C_2C_5L_3L_5R$

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10.437 INVALID-ORDER-437 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \ \infty\right)
```

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3R_3g_ms^5 + C_2C_3L_2L_3R_3g_ms^5 + C_2C_3L_2L_3R_3g_ms^5 + C_2C_3L_2L_3R_3g_ms^5 + C_2C_3L_3L_5R_3g_ms^5 + C_2C_3L_3L_5R_3g_ms^5$

10.438 INVALID-ORDER-438
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3R_3R_5s^5 + C_2C_3L_2L_3R_3R_5g_ms^4 + C_2C_3L_2L_3R_3R_5g_ms^4 + C_2C_3L_2L_3R_3R_5g_ms^5 + C_2C_5L_2L_3L_5R_3g_ms^5 + C_2C_5L_3L_5R_3g_ms^5 + C_2C_5L_3L_5R$

10.439 INVALID-ORDER-439
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ R_5, \ \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_5s + R_5g_m - 1\right)}{2C_2C_3L_2L_3R_3g_ms^4 + C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_2R_3g_ms^3 + 2C_2L_2R_3g_ms^3 + 2C_2L_2R_3g_ms^2 + C_2L_2s^2 + 4C_2R_3s + C_2R_5s + 2C_3L_3R_3g_ms^2 + C_3L_3R_5g_ms^2 + C_3L_3R_$

10.440 INVALID-ORDER-440
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(-C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s - C_5s + g_m\right)}{2C_2C_3C_5L_2L_3R_3g_ms^5 + C_2C_3C_5L_2L_3s^5 + 4C_2C_3C_5L_2R_3g_ms^4 + C_2C_3L_2g_ms^4 + 2C_2C_5L_2g_ms^3 + C_2C_5L_2s^3 + 4C_2C_5L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5L_3s^3 + 4C_2C_5L_3s^3 + C_2C_5L_3s^3 + C_2C_5$

10.441 INVALID-ORDER-441
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{R_5}{C_5 R_5 s + 1}, \ \infty\right)$$

 $H(s) = -\frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_2R_5s^3 - C_2L_2R_5g_ms^2 + C_2C_3C_5L_2L_3R_3g_ms^5 + C_2C_3C_5L_2L_3R_5g_ms^5 + C_2C_3C_5L_2R_3R_5g_ms^5 + C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_2R_5g_ms^4 + C_$

10.442 INVALID-ORDER-442
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_5s^2 + C_2L_2g_ms^2 + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{2C_2C_3C_5L_2L_3R_3g_ms^5 + C_2C_3C_5L_2L_3s^5 + 4C_2C_3C_5L_2R_3g_ms^4 + C_2C_3L_2L_3g_ms^4 + C_2C_3L_2L_3g_ms^4 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_2S^3 + 4C_2C_5L_3S^3 + 4C_2C_5R_3s^2 + C_2C_5R_3s^2 + C_2C_5R_3s^2$

10.443 INVALID-ORDER-443
$$Z(s) = \left(\infty, L_2 s + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2L_2g_ms^2 + C_2s + C_5L_5g_ms^2 - C_5s + g_m\right)}{C_2C_3C_5L_2L_3L_5g_ms^6 + 2C_2C_3C_5L_2L_3g_ms^5 + C_2C_3C_5L_2L_3s^5 + C_2C_3C_5L_2L_3g_ms^4 + C_2C_3L_2L_3g_ms^4 + C_2C_5L_2L_3g_ms^4 + C_2C_5L_2L_3g_ms^4 + C_2C_5L_2L_3g_ms^3 + C_2C_5L_2s^3 + C_2C_5L_2s^$

10.444 INVALID-ORDER-444
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)$$

 $H(s) = -\frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_2L_5s^4 - C_2L_2L_5g_ms^3 - C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5g_ms^5 + 2C_2C_3L_2L_3L_5g_ms^5 + 2C_2C_3L_2L_3L_5g_ms^5 + 2C_2C_5L_2L_5S^4 + 4C_2C_5L_2L_5S^4 + 4C_2C_5L_3L_5S^4 + 4C_2C_5L_5L_5S^4 + 4C_2C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5L_5C_5L_5C_5L_5L_5C_5$

10.445 INVALID-ORDER-445
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_2L_5g_ms^4 + C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5L_2s^3$

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10.446 INVALID-ORDER-446 Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)
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 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_5s^6 + 4C_2C_3C_5L_3L_5R_3g_ms^5 + C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3L_5S^5 + 2C_2C_3L_2L_3R_3S^6 + C_2C_3L_2L_3R_5S^6 + 4C_2C_3L_3L_5R_3S^6 + 4C_$

10.447 INVALID-ORDER-447
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \ \infty\right)$$

10.448 INVALID-ORDER-448
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{R_5 \left(C_5 L_5 s^2 + 1\right)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_5s^5 + 4C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3C_5L_3L_5R_5s^5 + 4C_2C_3C_5L_3L_5R_3s^5 + 4C_2C_3C_5L_3C_5L_5L_5R_3s^5 + 4C_2C_3C_5L_5L_5R_3s^5 + 4C_2C_3C_5L_5L_5R_3s^5 + 4C_2C_3C_5L_5L_5R_3s^5 + 4C_2C_3C_5L_5L_5R_3s^5 + 4C_2C_3C_5L$

10.449 INVALID-ORDER-449
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ R_5, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_5 s + R_5 g_m - 1\right)}{2 C_2 C_3 L_2 L_3 R_3 g_m s^4 + C_2 C_3 L_2 L_3 R_5 g_m s^3 + C_2 C_3 L_2 R_3 s^3 + 4 C_2 C_3 L_2 R_3 s^3 + C_2 C_3 L_3 R_5 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2$

10.450 INVALID-ORDER-450
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(-C_2 C_5 L_2 s^3 + C_2 L_2 g_m s^2 + C_2 s - C_5 s + g_m \right)}{2 C_2 C_3 C_5 L_2 L_3 R_3 g_m s^5 + C_2 C_3 C_5 L_2 L_3 s^5 + C_2 C_3 C_5 L_2 R_3 s^4 + 4 C_2 C_3 C_5 L_2 R_3 g_m s^4 + C_2 C_3 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 S^3 + 4 C_2 C_5 R_3 s^2 + C_2 L_2 g_m s^2 + C_2 s + 2 C_3 C_5 L_3 R_3 g_m s^3 + C_3 C_5 L_3 R_3 g$

10.451 INVALID-ORDER-451
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{R_5}{C_5 R_5 s + 1}, \ \infty\right)$$

 $H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 C_5 L_2 R_5 s^3 - C_2 L_2 R_3 R_5 s^4 + C_2 C_3 C_5 L_2 L_3 R_3 R_5 s^4 + C_2 C_3 L_2 L_3 R_5 s^4 + C_2 C_3 L_2$

10.452 INVALID-ORDER-452
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 C_5 R_5 s^2 + C_2 C_3 C_5 L_2 R_3 g_m s^5 + C_2 C_3 C_5 L_2 R_3 g_m s^5 + C_2 C_3 C_5 L_2 R_3 g_m s^4 + C_2 C_3 C_5 L_2 R_3 g_m s^4 + C_2 C_3 C_5 L_2 R_3 g_m s^4 + C_2 C_3 C_5 L_2 R_3 g_m s^3 + C_2 C_3 L_3 R_3 g_m s^3 + C_2 C_3 L_3$

10.453 INVALID-ORDER-453
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ L_5 s + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_2 C_5 L_2 L_5 g_m s^4 - C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + C_2 L_2 g_m s^2 + C_2 C_5 L_2 S_3 S_4 + C_2 C_3 C_5 L_2 L_3 S_3 S_5 + C_2 C_3 C_5 L_2 L_3 S_3 S_5 + C_2 C_3 C_5 L_2 L_3 S_3 S_5 + C_2 C_3 C_5 L_2 L_3 S_5 + C_2 C_3 C_5 L_2 L_3 S_5 + C_2 C_5 L_2 L_3 S_5$

10.454 INVALID-ORDER-454
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)$$

 $H(s) = -\frac{R_3 \left(C_3 L_3 s^2 + 1\right) \left(C_2 C_5 L_2 L_5 s^4 - C_2 L_2 L_3 L_5 R_3 g_m s^6 + C_2 C_3 C_5 L_2 L_3 L_5 R_3 g_m s^5 + C_2 C_3 L_2 L_3 R_3 g_m s^4 + C_2 C_3 L_3 L_3$

10.455 INVALID-ORDER-455
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{1 + c_3 + c_3 + c_3 + c_4 + c_4 + c_5 + c_5$

10.456 INVALID-ORDER-456
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_5s^6 + C_2C_3C_5L_2L_5R_3R_5s^5 + 2C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3R_3g_ms^5 + C_2C_3L_3L_3R$

10.457 INVALID-ORDER-457
$$Z(s) = \left(\infty, \ L_2 s + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + C_2C_3C_5L_2L_5R_3g_ms^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_5R_3s^5 +$

10.458 INVALID-ORDER-458
$$Z(s) = \left(\infty, \ L_2s + \frac{1}{C_2s}, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

 $\frac{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_3R_5s^5 + C_2C_3C_5L_2R_5s^5 + C_2C_3C_5L_3R_5s^5 + C_2C_3C_5L_3R_5$

10.459 INVALID-ORDER-459
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 s^3 - C_2 C_5 R_2 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s - C_5 s + g_m \right)}{2 C_2 C_5 L_2 R_3 q_m s^3 + C_2 C_5 L_2 s^3 + 2 C_2 C_5 R_2 R_3 q_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 L_2 q_m s^2 + C_2 R_2 q_m s + C_2 s + 2 C_5 R_3 q_m s + C_5 s + q_m r^2 + C_5 R_3 r^2 + C_5 R_5 r^2 + C_5 R_5$$

10.460 INVALID-ORDER-460
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_5 s^3 - C_2 C_5 R_2 R_5 s^2 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s - C_5 R_5 s + R_5 g_m - 1\right)}{2 C_2 C_5 L_2 R_3 R_5 g_m s^3 + C_2 C_5 L_2 R_5 s^3 + 2 C_2 C_5 R_2 R_3 R_5 g_m s^2 + C_2 C_5 R_2 R_5 s^2 + 2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 R_5 g_m s + C_2 R_2 R_5 g_m s + C_2$$

10.461 INVALID-ORDER-461
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 R_2 R_5 g_m s^2 - C_2 C_5 R_2 s^2 + C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s + C_5 R_5 g_m s - C_5 s + g_m\right)}{2 C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 s^3 + 2 C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_2 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 C_5 R_5 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s + 2 C_5 R_3 g_m s + C_5 R_5 g_m s + C_5 R_$$

10.462 INVALID-ORDER-462
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 g_m s^4 - C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 L_5 s^3 - C_2 C_5 R_2 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 - C_5 s + g_m \right)}{C_2 C_5 L_2 L_5 g_m s^4 + 2 C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 L_5 s^3 + 2 C_2 C_5 R_2 g_m s^2 + C_2 C_5 R_2 s^2 + 4 C_2 C_5 R_3 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 + 2 C_5 R_3 g_m s + C_5 s + g_m c^2 + C_5 R_5 g_m s^2 + C_5 R_5 g_m$$

10.463 INVALID-ORDER-463
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_5 R_2 s^3 + C_2 L_2 L_5 g_m s^3 - C_2 L_2 s^2 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 - C_2 R_2 s - C_5 L_5 s^2 + L_5 g_m s - 1 \right)}{2 C_2 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_5 L_5 R_2 R_3 g_m s^3 + C_2 C_5 L_5 R_2 s^3 + 4 C_2 C_5 L_5 R_3 s^3 + C_2 L_2 L_5 g_m s^3 + 2 C_2 L_2 R_3 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 s^2 + 2 C_2 R_2 g_m s^2 + C_2 L_5 g_m$$

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10.464 INVALID-ORDER-464 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
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 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 g_m s^4 + C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 R_2 s^2 + C_2 C_5 R_2 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s + C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m \right)}{C_2 C_5 L_2 L_5 g_m s^4 + 2 C_2 C_5 L_2 R_5 g_m s^3 + C_2 C_5 L_2 S^3 + C_2 C_5 R_2 g_m s^2 + C_2 C_5 R_2 s^2 + C_2 C_5$

10.465 INVALID-ORDER-465 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$

10.466 INVALID-ORDER-466 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_5 g_m s^4 - C_2 C_5 L_5 R_2 R_5 g_m s^3 - C_2 C_5 L_5 R_2 s^3 + C_2 L_2 L_5 g_m s^3 - C_2 L_5 R_5 g_m s^3 - C_2 L_2 R_5 g_m s^3 + C_2 L_2 R_$

10.467 INVALID-ORDER-467 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ R_3, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_5 g_m s^4 - C_2 C_5 L_2 R_5 s^3 + C_2 C_5 L_2 R_5 s^3 + C_2 C_5 L_5 R_2 s^3 + C_2 C_5 L_5 R_2 s^3 + C_2 C_5 L_2 R_5 s^3 + C_2 C_5 L_2 R_3 R_5 g_m s^3 + C_2 C_5 R_2 R_5 g_m s^3 + C_2$

10.468 INVALID-ORDER-468 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

$$H(s) = \frac{C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + R_5g_m - 1}{C_2C_3L_2R_5g_ms^3 + C_2C_3L_2s^3 + C_2C_3R_2g_ms^2 + C_2C_3R_2s^2 + C_2C_3R_2s^2 + C_2C_3R_5s^2 + 2C_2L_2g_ms^2 + 2C_2R_2g_ms + 4C_2s + C_3R_5g_ms + C_3s + 2g_ms^2 + 2C_3R_2s^2 + C_3R_3s^2 + C$$

10.469 INVALID-ORDER-469 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{-C_2C_5L_2s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s - C_5s + g_m}{s\left(C_2C_3C_5L_2s^3 + C_2C_3C_5R_2s^2 + C_2C_3L_2g_ms^2 + C_2C_3R_2g_ms + C_2C_5L_2g_ms^2 + 2C_2C_5R_2g_ms + 4C_2C_5s + C_3C_5s + C_3g_m + 2C_5g_m\right)}$$

10.470 INVALID-ORDER-470 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

$$H(s) = \frac{-C_2C_5L_2R_5s^3 - C_2C_5R_2R_5s^2 + C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_2g_ms - C_2R_2s + C_2R_5g_ms - C_2R_5g_ms - C_2R_2s + C_2R_5g_ms - C_2R_5g_ms - C_2R_2s + C_2R_5g_ms - C_$$

10.471 INVALID-ORDER-471 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_2g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s + g_m}{s\left(C_2C_3C_5L_2R_5g_ms^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5R_2s^2 + C_2C_3C_5R_2s^2 + C_2C_3L_2g_ms^2 + C_2C_3s + 2C_2C_5L_2g_ms^2 + 2C_2C_5R_2g_ms + 4C_2C_5s + C_3C_5R_5g_ms + C_3C_5s + C_3G_5s +$$

10.472 INVALID-ORDER-472 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$

$$H(s) = \frac{C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_5g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s + g_m}{s\left(C_2C_3C_5L_2s^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5L_5s^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5L_2s^$$

 $H(s) = \frac{C_2C_5L_2L_5g_ms^4 + C_2C_5L_2g_ms^3 - C_2C_5L_2s^3 + C_2C_5L_2s^3 + C_2C_5L_5s^3 + C_2C_5L_2s^3 + C$

10.475 INVALID-ORDER-475 $Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty\right)$

 $H(s) = \frac{-C_2C_5L_2L_5R_5s^4 - C_2C_5L_5R_2R_5s^3 + C_2L_2L_5s^3 - C_2L_2L_5s^3 - C_2L_2R_5s^2 + C_2L_5R_2s^2 + C_2L_5R_2s^2 + C_2L_5R_5s^2 - C_2R_2R_5s - C_5L_5R_5s^2 - C_2R_2R_5s - C_5L_5R_5s^3 + C_2C_3L_5R_5s^3 + C_2C_3L_5R$

10.476 INVALID-ORDER-476 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{C_2C_5L_2L_5R_5g_ms^4 - C_2C_5L_2L_5s^4 + C_2C_5L_5R_2g_ms^3 - C_2C_5L_5R_2s^3 + C_2L_2L_5g_ms^3 + C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2L_5s^2 + C_2L_5s^2 + C_2R_2g_ms - C_2R_2g_ms^2 - C_2L_2s^2 + C_2L_5s^2 + C_2L_5$

10.477 INVALID-ORDER-477 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2 + 1\right)}{C_5L_5s^2 + C_5R_5s + 1}, \ \infty\right)$

 $H(s) = \frac{C_2C_5L_2L_5S^4 - C_2C_5L_2E_5S^3 + C_2C_5L_2E_5S^3 + C_2C_5L_5R_2S^3 + C_2C_5L_5R_2S^3 + C_2C_5L_5R_2S^3 + C_2C_5E_5S^3 - C_2C_5R_2S^3 + C_2L_2R_5g_mS^2 - C_2L_2S^2}{C_2C_3C_5L_2E_5g_mS^5 + C_2C_3C_5L_2E_5S^4 + C_2C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_5C_5L_2E_$

10.478 INVALID-ORDER-478 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 L_2 R_5 g_m s^2 - C_2 L_2 s^2 + C_2 R_2 R_5 g_m s - C_2 R_2 s + C_2 R_5 s + R_5 g_m - 1 \right)}{C_2 C_3 L_2 R_3 R_5 g_m s^3 + C_2 C_3 L_2 R_3 R_5 g_m s^2 + C_2 C_3 R_2 R_3 R_5 g_m s^2 + C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_5 g_m s^2 + C_2 L_2 R_3 g_m s + C_2 R_2 R_5 g_m s + C_2 R_3 R_5 g_m s + C_3 R_3 R_5 g_m s$

10.479 INVALID-ORDER-479 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{R_3 \left(-C_2 C_5 L_2 s^3 - C_2 C_5 R_2 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s - C_5 s + g_m \right)}{C_2 C_3 C_5 L_2 R_3 s^4 + C_2 C_3 C_5 R_2 R_3 s^3 + C_2 C_3 L_2 R_3 g_m s^3 + C_2 C_5 R_2 R_3 g_m s^2 + C_2 C_5 R_3 g_m s^2 + C_2$

10.480 INVALID-ORDER-480 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

10.481 INVALID-ORDER-481 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 R_2 s^2 + C_2 C_5 R_2 s^2 + C_2 C_5 R_2 s^2 + C_2 L_2 g_m s^2 + C_2 R_2 g_m s + C_2 s + C_5 R_5 g_m s - C_5 s R_2 R_3 g_m s^2 + C_2 R_3 g_m s^3 + C_3 R_3 g_m$

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 \begin{aligned} \textbf{10.482} \quad & \textbf{INVALID-ORDER-482} \ \ Z(s) = \left( \infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty \right) \\ & \quad R_3 \left( C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s \right) \\ & \quad R_3 \left( C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_5L_5g_ms^2 - C_5s \right) \\ & \quad R_3 \left( C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_2s
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 $H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_5 R_2 s^3 + C_2 L_2 L_5 g_m s^3 - C_2 L_2 s^2 + C_2 L_5 R_2 g_m s^2 + C_2 L_5 s^2 - C_2 R_2 s - C_5 L_5 s^2 + L_2 L_5 g_m s^3 - C_2 L_2 L_5 R_3 s^4 + C_2 C_3 L_2 L_5 R_3 g_m s^4 + C_2 C_3 L_2 L_5 R_3 g_m s^4 + C_2 C_3 L_2 L_5 R_3 g_m s^3 + C_2 L_2 L_5 R_3 g_m s^3 + C$

10.484 INVALID-ORDER-484 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 g_m s^4 + C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 s^3 + C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 s^3 + C_2 C_5 L_5 R_2 g_m s^3 + C_2 C_5 L_5 R_3 g_m s^4 + C_2 C_3 C_5 L_2 R_3 g_m s^4 + C_2 C_3 C_5 L_2 R_3 g_m s^3 + C_2 C_3 C_5 R_2 R_3 g_m s^3 + C_2 C_3 C_5 R_2 R_3 g_m s^3 + C_2 C_3 C_5 R_2 R_3 g_m s^3 + C_2 C_3 R_3 R_3 g_m s^$

10.485 INVALID-ORDER-485 $Z(s) = \left(\infty, L_2s + R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s + 1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \infty\right)$

10.486 INVALID-ORDER-486 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_3 g_m s^4 - C_2 C_3 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_3 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_3 C_5 L_5 R_3 R_5 g_m s^4 + C_2 C_3 C_5 L_5 R_3 R_5 g_m s^4 + C_2 C_3 C_5 L_5 R_3 R_5 g_m s^4 + C_2 C_3 L_5 R_3 g_m s^4 + C_2 C_3 L_5 R_3 g_m s^3 + C_2 C_3 L_5 R_5 g_m s^3 + C_2 C_3$

10.487 INVALID-ORDER-487 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_5R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2R_3R_5s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_2R_3s^4 + C_2C_3C_5L_5R_3R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5R_5s^4 + C_2C_3C_5L_5R_5s^4 + C_2C_3C_5L_5R_5s^4 + C_2C_3C_5L_5R_5s^4 + C_2C_3C_5L_5R_5s^4 + C_2C_5C_5L_5R_5s^4$

10.488 INVALID-ORDER-488 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)$

 $H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}L_{2}R_{5}g_{m}s^{2}-C_{2}L_{2}s^{2}+C_{2}R_{2}R_{5}g_{m}s-C_{2}R_{2}s+C_{2}R_{5}s+R_{5}g_{m}-1\right)}{2C_{2}C_{3}L_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}L_{2}s^{3}+2C_{2}C_{3}R_{2}R_{3}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}s^{2}+4C_{2}C_{3}R_{3}s^{2}+C_{2}C_{3}R_{5}s^{2}+2C_{2}L_{2}g_{m}s^{2}+2C_{2}R_{2}g_{m}s+4C_{2}s+2C_{3}R_{3}g_{m}s+C_{3}R_{5}g_{m}s+C_{3}s+2g_{m}s+C_{3}R_{5}s^{2}+C_{4}R_{5}s^{2}+C_{5}R_{5}s^{2}+C_$

10.489 INVALID-ORDER-489 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(-C_{2}C_{5}L_{2}s^{3}-C_{2}C_{5}R_{2}s^{2}+C_{2}L_{2}g_{m}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s-C_{5}s+g_{m}\right)}{s\left(2C_{2}C_{3}C_{5}L_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}C_{5}L_{2}s^{3}+2C_{2}C_{3}C_{5}R_{2}g_{m}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+4C_{2}C_{3}C_{5}R_{3}s^{2}+C_{2}C_{3}L_{2}g_{m}s^{2}+C_{2}C_{3}R_{2}g_{m}s+C_{2}C_{5}L_{2}g_{m}s^{2}+2C_{2}C_{5}R_{2}g_{m}s+4C_{2}C_{5}s+2C_{3}C_{5}R_{3}g_{m}s+C_{3}C_{5}s+C_{3}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}C_{5}g_{m}s+C_{2}G$

10.490 INVALID-ORDER-490 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$

 $H(s) = -\frac{(C_3R_3s+1)\left(C_2C_5L_2R_5s^3 + C_2C_5R_2R_5s^2 - C_2L_2R_5g_ms^2 + C_2L_2s^2 - C_2R_2R_5g_ms + C_2R_2s - C_2R_5s + C_5R_5s - C_2R_5s^2 + C_2C_3C_5L_2R_5g_ms^3 + C_2C_3C_5L_2R_3g_ms^3 + C_2C_3L_2R_3g_ms^3 + C_2C_3L_2R_3g_ms^3 + C_2C_3R_2R_3g_ms^2 + C_2C_3R_3R_3g_ms^2 + C$

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H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}R_{5}g_{m}s^{3}-C_{2}C_{5}L_{2}s^{3}+C_{2}C_{5}R_{2}s^{2}+C_{2}C_{5}R_{2}s^{2}+C_{2}L_{2}g_{m}s^{2}+C_{2}S_{2}g_{m}s-C_{5}s+g_{m}\right)}{s\left(2C_{2}C_{3}C_{5}L_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}C_{5}L_{2}S_{3}+2C_{2}C_{3}C_{5}R_{2}S_{2}+C_{2}C_{3}C_{5}R_{2}S_{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_{3}C_{5}R_{2}s^{2}+C_{2}C_
10.492 INVALID-ORDER-492 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}L_{5}g_{m}s^{4}-C_{2}C_{5}L_{2}s^{3}+C_{2}C_{5}L_{5}s^{3}-C_{2}C_{5}L_{2}s^{3}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s+C_{5}L_{5}g_{m}s^{2}-C_{5}s+g_{m}\right)}{s\left(C_{2}C_{3}C_{5}L_{2}L_{5}g_{m}s^{4}+2C_{2}C_{3}C_{5}L_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}s^{3}+C_{2}C_{3}C_{5}L_{5}s^{3}+2C_{2}C_{3}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{3}L_{2}g_{m}s^{2}+C_{2}C_{3}L_{2}g_{m}s^{2}+C_{2}C_{3}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}g
10.493 INVALID-ORDER-493 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (C_3R_3s+1) (C_2C_5L_2L_5s^4 + C_2C_5L_5R_2s^3 - C_2L_2L_5g_ms^3 + C_2L_2s^2 - C_2L_5R_2g_ms^2 - C_2L_5s^2 + C_2R_2s + C_5L_5s^2 + C_5L_5
                                                 \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5s^4+C_2C_5L_5R_2s^3-C_2L_2L_5g_ms^3+C_2L_2s^2-C_2L_5R_2g_ms^2-C_2L_5s^2+C_2R_2s+C_5L_5s^2-C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^2+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s^3+C_2L_5s
10.494 INVALID-ORDER-494 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)
10.495 INVALID-ORDER-495 Z(s) = \left(\infty, L_2s + R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_2s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \infty\right)
                                                  10.496 INVALID-ORDER-496 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           H(s) = \frac{(C_3R_3S + 1)(C_2C_5L_2L_5R_{15}g_ms^5 - C_2C_5L_2L_5g_ms^4 + C_2C_5L_5R_{15}g_ms^5 - C_2C_5L_5R_{15}g_ms^5 - C_2C_5L_5R_{15}g_ms^5 - C_2C_5L_5R_{15}g_ms^5 - C_2C_5L_5R_{15}g_ms^5 - C_2C_5L_5R_{15}g_ms^5 + C_2C_3L_5R_{15}g_ms^5 + C_2C_
10.497 INVALID-ORDER-497 Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2 + 1\right)}{C_5L_5s^2 + C_5R_5s + 1}, \ \infty\right)
                                                    \overline{2C_{2}C_{3}C_{5}L_{2}L_{5}R_{3}q_{m}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{5}R_{5}q_{m}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{5}s^{5} + 2C_{2}C_{3}C_{5}L_{2}R_{3}R_{5}q_{m}s^{4} + C_{2}C_{3}C_{5}L_{5}R_{2}q_{m}s^{4} + C_{2}C_{3}C_{5}L_{5}R_{2}s^{4} + 4C_{2}C_{3}C_{5}L_{5}R_{3}s^{4} + C_{2}C_{3}C_{5}L_{5}R_{5}s^{4} + 2C_{2}C_{3}C_{5}L_{5}R_{5}s^{4} + 2C_{2}
10.498 INVALID-ORDER-498 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_2 s}, \infty, R_5, \infty\right)
                                                                                                                           H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_2g_ms - C_2R_2s + C_2R_5g_ms - C_2R_2s + C_2R_2g_ms - C_2R_2g_ms - C_2R_2s + C_2R_2g_ms - C_2R_2g_ms - C_2R_2s + C_2R_2g_ms - C_2R_2g_ms - C_2R_2s + C_2R_2g_ms - C_2R_2g_ms - C_2R_2s + C_2R_2g_ms - C_2R_2s + C_2R_2g_ms - C_2R_2s + C_
10.499 INVALID-ORDER-499 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)
                                                                            H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(-C_2C_5L_2s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2g_ms^4 + C_2C_3C_5L_2s^3 + 2C_2C_3C_5L_3g_ms^3 + 4C_2C_3C_5L_3s^3 + C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_3s + 2C_2C_5R_2g_ms + 4C_2C_5s + 2C_3C_5L_3g_ms^2 + C_3C_5s + C_3g_ms + C_2C_3s + 2C_3C_5L_3g_ms^2 + C_3C_5s + C_3g_ms + C_3C_5s + C_3g_ms + C_3C_5s + C_3g_ms + C_3C_5s + C_3G_5s + C_
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10.491 INVALID-ORDER-491 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

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10.500 INVALID-ORDER-500 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (C_3L_3s^2+1)(C_2C_5L_2R_5s^3+C_2C_5R_2R_5s^2-C_2L_2R_5g_ms^2+C_2L_2s^2-C_2R_2R_5g_ms+C_2R_2s-C_2R_5s+C_5R_5s-C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R_5s^2+C_2R
H(s) = -\frac{\left(C_{3}L_{3}s^{2}+1\right)\left(C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}R_{2}R_{5}s^{2}-C_{2}L_{2}R_{5}g_{m}s^{2}+C_{2}L_{2}s^{2}-C_{2}R_{2}R_{5}g_{m}s+C_{2}R_{2}s-C_{2}R_{5}s+C_{5}R_{5}s-C_{2}R_{5}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}C_{5}L_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R_{5}g_{m}s^{2}+C_{2}C_{3}R_{2}R
10.501 INVALID-ORDER-501 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_2g_ms^2 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2g_ms^4 + C_2C_3C_5L_2g_ms^3 + C_2C_3C_5L_2s^3 + 2C_2C_3C_5L_2s^3 + 2C_2C_3C_5R_2s^2 + C_2C_3C_5R_2s^2 + C_2C_3C_5R_2s^2 + C_2C_3L_2g_ms^2 + C_2C_3R_2g_ms + C_2C_5L_2g_ms^2 + 2C_2C_5R_2g_ms + C_2C_5R_2g_ms 
10.502 INVALID-ORDER-502 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5g_ms^4 - C_2C_5L_2s^3 + C_2C_5L_5g_ms^3 + C_2C_5L_5s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2S_2g_ms + C_2S + C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2L_3g_ms^4 + C_2C_3C_5L_2s^3 + 2C_2C_3C_5L_3s^3 + 2C_2C_3C_5L_3s^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5L_2s^3 + C_2C_3C_5L_2g_ms^2 + C_2C_3R_2g_ms + C_2C_3C_5L_2g_ms^2 + C_2C_3C_5L_2g
10.503 INVALID-ORDER-503 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \left(C_{3}L_{3}s^{2}+1\right)\left(C_{2}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{5}L_{5}R_{2}s^{3}-C_{2}L_{2}L_{5}g_{m}s^{3}+C_{2}L_{2}s^{2}-C_{2}L_{5}R_{2}g_{m}s^{2}-C_{2}L_{5}s^{2}+C_{2}R_{2}s+C_{5}L_{5}s^{2}-C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C_{5}L_{5}s^{2}+C
H(s) = -\frac{(C_3L_3s + 1)(C_2C_5L_2L_5s + C_2C_5L_2L_5s + C_2C_5L_5L_2s - C_2L_5L_5g_ms + C_2L_2s - C_2L_5g_ms - C_2L_5s - C_2L_5g_ms - C_2L_5g_ms - C_2L_5s - C_2L_5g_ms - C_2L_5g_ms - C_2L_5s - C_2L_5g_ms - C_2L_5g_ms - C_2L_5s - C_2L_5g_ms - C_2L_5s - C_2L_5g_ms - C_2L_5s - C_2L_5g_ms - C_2L_5s - C_2L_5g_ms - C_2L_5g_
10.504 INVALID-ORDER-504 Z(s) = \left(\infty, L_2s + R_2 + \frac{1}{C_2s}, L_3s + \frac{1}{C_2s}, \infty, L_5s + R_5 + \frac{1}{C_5s}, \infty\right)
                                                     \frac{\left(C_{3}L_{3}s^{2}+1\right)\left(C_{2}C_{5}L_{2}L_{5}g_{m}s^{4}+C_{2}C_{5}L_{2}S_{3}g_{m}s^{3}-C_{2}C_{5}L_{2}s^{3}+C_{2}C_{5}L_{5}s^{3}+C_{2}C_{5}L_{5}s^{3}+C_{2}C_{5}R_{2}s^{2}+C_{2}C_{5}R_{2}s^{2}+C_{2}L_{2}g_{m}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s+C_{5}L_{5}g_{m}s^{2}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{
10.505 INVALID-ORDER-505 Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \ \infty\right)
                                                                 -\frac{1}{2C_2C_3C_5L_2L_3L_5R_5g_ms^6+C_2C_3C_5L_2L_5R_5s^5+2C_2C_3C_5L_3L_5R_2g_ms^5+4C_2C_3C_5L_3L_5R_5s^5+2C_2C_3L_2L_3L_5g_ms^5+2C_2C_3L_2L_3R_5g_ms^4+C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_3L_2L_5S^4+2C_2C_
10.506 INVALID-ORDER-506 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
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10.500 INVALID-ORDER-500
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{1}{C_5L_5s^2+1} + R_5, \ \infty\right)$$

$$\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5R_5g_ms^4 - C_2C_5L_5R_2g_ms^3 - C_2C_5L_5R_2s^3 + C_2C_5L_5R_5s^3 + C$$

 $H(s) = \frac{(C_3L_3s + 1)(C_2C_5L_2L_5R_5g_ms^5 - C_2C_5L_2L_5R_5g_ms^5 - C_2C_5L_5R_2s^4 + C_2C_5L_5R_5g_ms^5 - C_2C_5L_5R_2s^4 + C_2C_5L_5R_5s^4 + C_2C_5L_5R_5g_ms^5 - C_2C_5L_5R_2s^4 + C_2C_3C_5L_5R_5s^4 + C_2C_5L_5R_5s^4 + C_2C_5L_5R_5s^4 + C_2C_5L_5R_5s^4 + C_2C_5L_5R_5s^4 + C_2C_5L_5R_5s^4 + C_2C_$

10.507 INVALID-ORDER-507
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2 + 1\right)}{C_5L_5s^2 + C_5R_5s + 1}, \ \infty\right)$$

 $H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(-C_2C_5L_2L_5R_5g_{ms}^2 + 2C_2C_3C_5L_2L_3R_5g_{ms}^5 + C_2C_3C_5L_2L_5R_5g_{ms}^5 + C_2C_3C_5L_2L_5R_5g_{ms}^5 + C_2C_3C_5L_2L_5R_5g_{ms}^5 + C_2C_3C_5L_2L_5R_5g_{ms}^5 + C_2C_3C_5L_3L_5R_5g_{ms}^5 + C_2C_3C_5L_3R_5g_{ms}^5 + C_2C_3C_5L_3R_5g_{m$

10.508 INVALID-ORDER-508
$$Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ R_5, \ \infty\right)$$

 $H(s) = \frac{L_{3}s\left(C_{2}L_{2}R_{5}g_{m}s^{2} - C_{2}L_{2}s^{2} + C_{2}R_{2}g_{m}s - C_{2}R_{2}s + C_{2}R_{5}g_{m}s - C_{2}R_{2}s + R_{5}g_{m} - 1\right)}{C_{2}C_{3}L_{2}L_{3}R_{5}g_{m}s^{4} + C_{2}C_{3}L_{2}R_{5}g_{m}s^{3} + C_{2}C_{3}L_{3}R_{2}s^{3} + C_{2}C_{3}L_{3}R_{2}s^{3} + C_{2}C_{3}L_{3}R_{5}s^{3} + 2C_{2}L_{2}L_{3}g_{m}s^{3} + C_{2}L_{2}R_{5}g_{m}s^{2} + C_{2}L_{2}s^{2} + 2C_{2}L_{3}R_{2}g_{m}s^{2} + C_{2}R_{2}s +$

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 \begin{aligned} \textbf{10.509} \quad \textbf{INVALID-ORDER-509} \ Z(s) &= \left( \infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{1}{C_5s}, \ \infty \right) \\ H(s) &= \frac{L_3s \left( -C_2C_5L_2s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s - C_5s + g_m \right)}{C_2C_3C_5L_2L_3s^5 + C_2C_3C_5L_3R_2s^4 + C_2C_3L_2L_3g_ms^4 + C_2C_3L_3R_2g_ms^3 + C_2C_5L_2L_3g_ms^4 + C_2C_5L_2s^3 + 2C_2C_5L_3R_2g_ms^3 + 4C_2C_5L_3s^3 + C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_3C_5L_3s^3 + C_2C_5L_3g_ms^2 + C_2s^2 + C_2s^2
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10.511 INVALID-ORDER-511 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{L_3s\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s}{C_2C_3C_5L_2L_3R_5g_ms^5 + C_2C_3C_5L_2R_5g_ms^4 + C_2C_3L_3S^3 + C_2C_5L_2R_5g_ms^3 + C_2C_5L_3R_5g_ms^3 + C_2C_5L_3R_5g_ms$

10.512 INVALID-ORDER-512 $Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \infty, \ L_5 s + \frac{1}{C_5 s}, \ \infty\right)$

 $H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}g_{m}s^{4} - C_{2}C_{5}L_{2}s^{3} + C_{2}C_{5}L_{5}s^{3} - C_{2}C_{5}R_{2}s^{2} + C_{2}L_{2}g_{m}s^{2} + C_{2}R_{2}g_{m}s + C_{2}s + C_{5}L_{5}g_{m}s^{2} - C_{5}s}{C_{2}C_{3}C_{5}L_{2}L_{3}L_{5}g_{m}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{3}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{3}s^{3} + C_{2}C_{5}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{3}g_{m}s^{4} + C_{2}C_{5}L_{2}S^{3} + C_{2}C_{5}L_{3}S^{3} + C_{2}$

10.513 INVALID-ORDER-513 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)$

 $H(s) = \frac{L_{3}s\left(-C_{2}C_{5}L_{2}L_{5}s^{4} - C_{2}C_{5}L_{2}L_{5}g_{m}s^{3} - C_{2}L_{2}s^{2} + C_{2}L_{5}R_{2}g_{m}s^{2} + C_{2}L_{5}s^{2} - C_{2}R_{2}s - C_{5}L_{5}s^{2} + C_{2}C_{5}L_{2}L_{3}L_{5}g_{m}s^{5} + C_{2}C_{3}L_{2}L_{3}L_{5}g_{m}s^{5} + C_{2}C_{3}L_{2}L_{3}L_{5}g_{m}s^{4} + C_{2}C_{3}L_{3}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{3}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{3}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}g_{m}s^{3} + C_{2}L_{2}L_{5}g_{m}s^{3} + C_{2}L_$

10.514 INVALID-ORDER-514 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty\right)$

 $H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}R_{5}g_{m}s^{3} - C_{2}C_{5}L_{2}s^{3} + C_{2}C_{5}L_{5}R_{2}g_{m}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}s^{3} + C_{2}C_{5}L_{5}S_{5}s^{4} + C_{2}C_{3}C_{5}L_{2}L_{3}S_{5}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{3}S_{5}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}S_{5}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}S_{5}s^{4} + C_{2}C_{3}C_{5}L_{3}S_{5}s^{4} + C_{2}C_{3}L_{3}S_{3}s^{4} + C_{2}C_{3}L_{3}S_{3}s^{4} + C_{2}C_{3}L_{3}S_{5}s^{4} +$

10.515 INVALID-ORDER-515 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$

 $H(s) = \frac{L_{3}s\left(-C_{2}C_{5}L_{2}L_{5}R_{5}s^{4} - C_{5}L_{2}L_{5}R_{5}s^{4} - C_{5}L_{2}L_{5}R_{5}s^{4} - C_{5}L_{5}L_{5}R_{5}s^{5} + C_{2}C_{3}L_{2}L_{3}L_{5}R_{5}g_{m}s^{5} + C_{2}C_{3}L_{2}L_{3}L_{5}S^{5} + C_{2}C_{3}L_{3}L_{5}S^{5} + C_{2}C_{3}L_{$

10.516 INVALID-ORDER-516 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)$

 $H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}R_{5}g_{m}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{3}L_{5}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{3}L_{5}s^{6} + C_{2}C_{3}C_{5}L_{3}L_{5}R_{5}g_{m}s^{5} + C_{2}C_{3}C_{5}L_{3}L_{5}R_{5}s^{5} + C_{2}C_{3}L_{3}L_{5}g_{m}s^{5} + C_{2}C_{3}L_{2}L_{3}L_{5}g_{m}s^{5} + C_{2}C_{3}L_{2}L_{3}L_{5}g_{m}s^{5} + C_{2}C_{3}L_{3}L_{5}s^{4} + C_{2}C_{3}L_{3}$

10.517 INVALID-ORDER-517 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + C_2C_3C_5L_2L_3R_5s^5 + C_2C_3C_5L_3L_5R_2s^5 + C_2C_3C_5L_3L_5R_5s^5 + C_2C_3C_5L_5L_5R_5s^5 + C_2C_5L_5L_5R_5s^5 + C_2C_5L_5L_5R_5s^5 + C_2C_5L_5L_5L_5R$

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10.518 INVALID-ORDER-518 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_2R_5g_ms - C_2R_2s + C_2R_5g_ms - C_2R_5g_ms 
10.519 INVALID-ORDER-519 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(-C_2C_5L_2s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2S_2g_ms + C_2s - C_5s + g_m\right)}{s\left(2C_2C_3C_5L_2L_3g_ms^4 + 2C_2C_3C_5L_2S^3 + 2C_2C_3C_5L_2S^3 + 2C_2C_3C_5L_3S^3 + 2C_2C_3C_5R_2S^2 + 4C_2C_3C_5R_2s^2 + 4C_2C_3C_5R_2s^2 + C_2C_3R_2g_ms + C_2C_3S_2g_ms + C_2C_3S_
10.520 INVALID-ORDER-520 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (C_3L_3s^2+C_3R_3s+1)(C_2C_5L_2R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^3+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_3R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5
                                                                \frac{(\sqrt{3}-3)^{2}+\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt{3}-2\sqrt
10.521 INVALID-ORDER-521 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s + C_5R_5g_ms - C_5s + C_5R_5g_ms^2 + C_2C_3C_5L_2g_ms^3 + C
10.522 INVALID-ORDER-522 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)
                                                     \frac{\left(C_{3}L_{3}s^{2}+C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}L_{5}g_{m}s^{4}-C_{2}C_{5}L_{5}s^{3}-C_{2}C_{5}L_{5}s^{3}-C_{2}C_{5}L_{2}s^{2}+C_{2}L_{2}g_{m}s^{2}+C_{2}R_{2}g_{m}s+C_{2}s+C_{5}L_{5}g_{m}s^{2}-C_{5}s+C_{5}L_{5}g_{m}s^{2}+C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{4}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5}C_{5}L_{5}g_{m}s^{5}+C_{5
10.523 INVALID-ORDER-523 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty\right)
                                                                \overline{2C_2C_3C_5L_2L_3L_5g_ms^6 + 2C_2C_3C_5L_2L_5R_3g_ms^5 + C_2C_3C_5L_2L_5s^5 + 2C_2C_3C_5L_3L_5R_2g_ms^5 + 4C_2C_3C_5L_3L_5s^5 + 2C_2C_3C_5L_5R_2g_ms^4 + C_2C_3C_5L_5R_3s^4 + 2C_2C_3L_2L_3g_ms^4 + C_2C_3L_2L_3g_ms^4 + C_2C_3L_3L_3g_ms^4 + C_2C_3L_3L_3g_ms^2 +
10.524 INVALID-ORDER-524 Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2L_5g_ms^4 + C_2C_5L_2S^3 + C_2C_5L_2S^3 + C_2C_5L_5s^3 + C_2C_5L_2s^3 + C_2C_5R_2g_ms^2 - C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_2s^2 + C_2C_5R_2s^3 + C_2C_3C_5L_2S_3s^4 + C_2C_3C_5L_2S_3s^3 + C_2C_3C_5L_
10.525 INVALID-ORDER-525 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)
                                                                \overline{2C_2C_3C_5L_2L_3L_5R_5g_ms^6 + 2C_2C_3C_5L_2L_5R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_5s^5 + 2C_2C_3C_5L_3L_5R_2g_ms^5 + 4C_2C_3C_5L_3L_5R_5s^5 + 2C_2C_3C_5L_5R_2R_3R_5g_ms^4 + C_2C_3C_5L_5R_3R_5s^4 + 4C_2C_3C_5L_5R_3R_5s^4 + 2C_2C_3L_2L_3R_5g_ms^5 + 2C_2C_3L_2L_3R_5g_ms^5 + 2C_2C_3C_5L_3L_5R_5s^5 + 2C_2C_3C_5L_5R_3R_5s^4 + 2C_2C_3C_5L_5R_3R_5s^4 + 2C_2C_3C_5L_3L_5R_5s^5 + 2C_2C_3C_5L_5R_3R_5s^4 + 2C_2C_3C_5L_5R_3R_5s^4 + 2C_2C_3C_5L_3L_5R_5s^5 + 2C_2C_3C_5L_3L_5R_5s^5 + 2C_2C_3C_5L_5R_3R_5s^4 + 2C_2C_3C_5L_5R_3R_5s^4 + 2C_2C_3C_5L_5R_5s^5 + 2C_2C_5C_5L_5R_5s^5 + 2C_2C_5C_5L_5R_5s^5 + 2C_2C_5C_5L_5R_5s^5 + 2C_2C_5C_5L_5R_5s^5 + 2C_2C_5C_5L_5R_5s^5 + 2C_2C_5C_5L_5R_5s^5 + 2C_2C
10.526 INVALID-ORDER-526 Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, L_3 s + R_3 + \frac{1}{C_3 s}, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty\right)
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 $\overline{2C_{2}C_{3}C_{5}L_{2}L_{3}L_{5}q_{m}s^{6}+2C_{2}C_{3}C_{5}L_{2}L_{5}R_{3}q_{m}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}R_{5}q_{m}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}s^{5}+2C_{2}C_{3}C_{5}L_{3}L_{5}R_{2}q_{m}s^{5}+4C_{2}C_{3}C_{5}L_{5}R_{2}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5}R_{5}s^{4}+4C_{2}C_{3}C_{5}L_{5$

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10.527 INVALID-ORDER-527 Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)
```

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5g_ms^6 + 2C_2C_3C_5L_2L_3R_5g_ms^5 + 2C_2C_3C_5L_2L_5R_3g_ms^5 + 2C_2C_3C_5L_2L_5R_5g_ms^5 + 2C_2C_5L_2L_5R_5g_ms^5 + 2C_2C_5L_5L_5R_5g_ms^5 + 2C_2C_5L_5L_5R_5g_ms^$

10.528 INVALID-ORDER-528
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \infty, R_5, \infty\right)$$

 $H(s) = \frac{L_3R_3s\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_2R_5g_ms - C_2R_2s + C_2R_5s + R_5g_m - 1\right)}{C_2C_3L_2L_3R_3R_5g_ms^4 + C_2C_3L_2R_3R_5g_ms^3 + C_2L_2L_3R_3g_ms^3 + C_2L_2L_3R_5g_ms^3 + C_2L_2R_3s^2 + C_2L_2R_3s^2 + C_2L_3R_2R_3g_ms^2 + C_2L_3R_2g_ms^2 + C_$

10.529 INVALID-ORDER-529
$$Z(s) = \left(\infty, L_2s + R_2 + \frac{1}{C_2s}, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \infty, \frac{1}{C_5s}, \infty\right)$$

 $H(s) = \frac{L_3R_3s\left(-C_2C_5L_2s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{C_2C_3C_5L_2L_3R_3s^5 + C_2C_5L_2L_3R_3g_ms^4 + C_2C_5L_2L_3R_3g_ms^4 + C_2C_5L_2L_3R_3g_ms^4 + C_2C_5L_2R_3s^3 + C_2C_5L_2R_3s^$

10.530 INVALID-ORDER-530
$$Z(s) = \left(\infty, L_2s + R_2 + \frac{1}{C_2s}, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \infty, \frac{R_5}{C_5R_5s + 1}, \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3R_3R_5s^5 + C_2C_3C_5L_3R_2R_3R_5s^4 + C_2C_3L_2L_3R_3R_5g_ms^4 + C_2C_3L_2L_3R_3s^4 + C_2C_3L_3R_3R_5g_ms^3 + C_2C_3L_3R_3R_5g_ms^3 + C_2C_3L_3R_3R_5g_ms^4 + C_2C_5L_2L_3R_3R_5s^4 + C_2C_5L_2R_3R_5s^4 + C_2C_5L_3R_5s^4 + C_2C$

10.531 INVALID-ORDER-531
$$Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{L_3 R_{3} s \left(C_2 C_3 C_5 L_2 L_3 R_3 R_5 q_m s^5 + C_2 C_3 C_5 L_2 L_3 R_3 s^5 + C_2 C_3 C_5 L_3 R_2 R_3 R_5 q_m s^4 + C_2 C_3 C_5 L_3 R_2 R_3 R_5 q_m s^4 + C_2 C_3 L_2 L_3 R_3 q_m s^4 + C_2 C_3 L_2 L_3 R_3 q_m s^4 + C_2 C_5 L_2 L_3 R_5 q_m s^4 + C_2 C_5 L_2 L_3 R$

10.532 INVALID-ORDER-532
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{L_3 R_3 s \left(C_2 C_3 C_5 L_2 L_3 L_5 R_3 g_m s^6 + C_2 C_3 C_5 L_2 L_3 R_3 s^5 + C_2 C_3 C_5 L_3 L_5 R_3 g_m s^5 + C_2 C_3 C_5 L_3 L_5 R_3 s^6 + C_2 C_3 C_5 L_3 L_5 R_3 g_m s^5 + C_2 C_3 C_5 L_3 L_5 R_3 g_m s^5 + C_2 C_3 L_2 L_3 R_3 g_m s^4 + C_2 C_3 L_2 L_3 R_3 g_m s^4 + C_2 C_3 L_2 L_3 R_3 g_m s^4 + C_2 C_5 L_2 L_3 R_3 g_m$

10.533 INVALID-ORDER-533
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \ \infty, \ \frac{L_5s}{C_5L_5s^2 + 1}, \ \infty\right)$$

 $H(s) = \frac{I}{C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3L_5R_2s^5 + C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3R_3s^4 + C_2C_3L_3L_5R_3g_ms^4 + C_2C_3L_3L_5R_3g_ms^5 + C_2C_5L_2L_3L_5s^5 + C_2C_5L_2L_3L_5s^5 + C_2C_5L_2L_3L_5s^6 + C_2C_5L_3L_5R_3g_ms^5 + C_2C_5L_3L_5R_3g_ms$

10.534 INVALID-ORDER-534
$$Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_2 s + R_3}, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_3s^5 + C_2C_3C_5L_3L_5R_3g_ms^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3R_2R_3s^6 + C_2C_3C_5L_3R_3R_5s^4 + C_2C_3C_5L_3R_3R_5s^4 + C_2C_3C_5L_3R_3R_5s^4 + C_2C_3L_3R_3g_ms^5 + C_2C_3L_3R_3g_ms^5 + C_2C_3C_5L_3R_3R_5s^5 + C_2C_3C$

10.535 INVALID-ORDER-535
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_3R_5s^6 + C_2C_3C_5L_3L_5R_2R_3R_5s^5 + C_2C_3L_2L_3L_5R_3R_5g_ms^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5$

```
10.536 INVALID-ORDER-536 Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \ \infty\right)
```

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3L_2L_3R_3s^5 + C_2C_3L_2L_3R_3s^6 + C_2C_3L_2L_3R_3s^6 + C_2C_3L_2L_3R_3s^6 + C_2C_3L_3L_5R_3s^6 + C_2C_3L_3L$

10.537 INVALID-ORDER-537
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \ \infty, \ \frac{R_5\left(C_5L_5s^2 + 1\right)}{C_5L_5s^2 + C_5R_5s + 1}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_3R_5g_ms^6 + C_2C_3C_5L_2L_3R_5s^6 + C_2C_3C_5L_2L_3R_3R_5s^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_3R_5s^5 + C_2C_3C_5L_3L_5R_5R_5s^5 + C_2C_3C_5L_5L_5R_5R_5s^5 + C_2C_3C_5L_5L_5R_5R_5s^5 + C_2C_3C_5L_5L_5R_5R_5s^5 + C_2C_5C_5L_5L_5R_5R_5s^5 + C_2C_5C_5L_5L_5R_5R_5R_5s^5 + C_2C_5C_5L_5L_5R_5R_5s^5 + C_2C_5C_5L_5L_5R_5R_5s^5 + C$

10.538 INVALID-ORDER-538
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5, \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2L_2R_5g_ms^2 - C_2L_2s^2 + C_2R_2g_ms - C_2R_2s + C_2R_5g_ms - C_2R_5g$

10.539 INVALID-ORDER-539
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{1}{C_5 s}, \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(-C_2C_5L_2s^3 - C_2C_5R_2s^2 + C_2L_2g_ms^2 + C_2R_2g_ms + C_2s - C_5s + g_m\right)}{2C_2C_3C_5L_2L_3R_3g_ms^5 + C_2C_3C_5L_2L_3s^5 + 2C_2C_3C_5L_3R_2g_ms^4 + C_2C_3L_3R_2g_ms^4 + C_2C_3L_3R_2g_ms^3 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_2R_3g_ms^3 + C_2C_5L_3R_3g_ms^3 + C_$

10.540 INVALID-ORDER-540
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3s}{C_3L_3s^2 + 1} + R_3, \ \infty, \ \frac{R_5}{C_5R_5s + 1}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3R_3R_5q_ms^5 + C_2C_3C_5L_2L_3R_5s^5 + 2C_2C_3C_5L_3R_2R_3R_5q_ms^4 + C_2C_3L_3L_3R_3q_ms^4 + C_2C_3L_2L_3R_3q_ms^4 + C_2C_3L_3R_3q_ms^4 + C_2C_3L$

10.541 INVALID-ORDER-541
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, R_5 + \frac{1}{C_5 s}, \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2C_5L_2R_5g_ms^3 - C_2C_5L_2s^3 + C_2C_3C_5L_2R_3g_ms^4 + C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L_3R_3s^4 + C_2C_3L_3R_3g_ms^4 + C_2C_3L_3R_3$

10.542 INVALID-ORDER-542
$$Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, L_5 s + \frac{1}{C_5 s}, \infty\right)$$

 $H(s) = \frac{(C_3L_3R_3s^5 + L_3s + R_3)(C_2C_5L_2L_5g_ms^5 - C_2C_5L_2s^5 + C_2C_5}{C_2C_3C_5L_2L_3L_5g_ms^6 + 2C_2C_3C_5L_2L_3g_ms^5 + C_2C_3C_5L_3L_5s^5 + 2C_2C_3C_5L_3L_5s^5 + 2C_2C_3C_5L_3R_2s^4 + 4C_2C_3C_5L_3R_3s^4 + C_2C_3L_3R_3g_ms^4 + C_2C_3L_3R_3g_ms^4$

10.543 INVALID-ORDER-543
$$Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3L_5R_3s^5 + C_2C_3L_2L_3L_5g_ms^5 + 2C_2C_3L_2L_3S^4 + C_2C_3L_3L_5S^4 + 2C_2C_3L_3L_5S^4 + 2C_2C_3L_5L_5S^4 + 2C_2C_3L_5L_5S$

10.544 INVALID-ORDER-544
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3s}{C_3L_3s^2 + 1} + R_3, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{(C_3L_3R_3s^5 + L_3s + L_3s^5 + L_3s^$

- 10.545 INVALID-ORDER-545 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{L_3 s}{C_3 L_3 s^2 + 1} + R_3, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty\right)$
- $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_5s^6 + 2C_2C_3C_5L_3L_5R_2R_3R_5g_ms^5 + C_2C_3L_5L_3L_5R_3g_ms^5 + C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_3L_5R_3g_ms^5 + C_2C_3L_3L_3L_5R_3g_ms^5 + C_2C_3L_3L_3L_5R_3g_ms^5 + C_2C_3L_3L_3L_3R_3g_ms^5 + C_2C_3L_3L_3R_3g_ms^5 + C_2C_3L_3L_3R$
- 10.546 INVALID-ORDER-546 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_3L_5R_2R_3g_ms^5 + C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3L_5R_3s$
- 10.547 INVALID-ORDER-547 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{L_3s}{C_3L_3s^2 + 1} + R_3, \ \infty, \ \frac{R_5\left(C_5L_5s^2 + 1\right)}{C_5L_5s^2 + C_5R_5s + 1}, \ \infty\right)$
- $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_3R_5g_ms^5 + C_2C_3C_5L_3L_5R_2R_3g_ms^5 + C_2C_3C_5L_3L_5R_2S^5 + 2C_2C_3C_5L_3L_5R_2S^5 + 2C_2C_3C_5L$
- 10.548 INVALID-ORDER-548 $Z(s) = \left(\infty, L_2 s + R_2 + \frac{1}{C_2 s}, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \infty, R_5, \infty\right)$
- $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(C_2 L_2 R_5 g_m s^2 C_2 L_2 s^2 + C_2 R_2 R_5 g_m s C_2 R_2 s + C_2 R_5 s + R_5 g_m 1 R_5 g_m s^2 + C_2 R_2 R_5 g_m s^3 + C_2 R_2 R_5 g_m s^3 + C_2 R_3 R_5 g_m s^3 + C_2 R_5 R_5 g_m s^3 + C_2 R_5$
- 10.549 INVALID-ORDER-549 $Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{1}{C_5 s}, \ \infty\right)$
- **10.550** INVALID-ORDER-550 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ \infty, \ \frac{R_5}{C_5R_5s + 1}, \ \infty\right)$
- $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_5s^5 + C_2C_3C_5L_2R_3R_5s^4 + 2C_2C_3C_5L_3R_2R_3R_5g_ms^4 + C_2C_3C_5L_3R_2R_5s^4 + 4C_2C_3C_5L_3R_3R_5s^4 + C_2C_3L_2L_3R_3g_ms^4 + C_2C_3L_2L_3R_5g_ms^4 + C_2C_3L_3L_3R_5g_ms^4 +$
- 10.551 INVALID-ORDER-551 $Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3R_3g_ms^5 + C_2C_3C_5L_2L_3R_5g_ms^5 + C_2C_3C_5L_2R_3s^5 + C_2C_3C_5L_2R_3s^6 + C_2C_3C_5L_2R_3s^4 + C_2C_3C_5L_3R_2s^4 + C_2C_3C_5L_3R_2s^4 + C_2C_3C_5L_3R_2s^4 + C_2C_3C_5L_3R_3s^4 + C_2$
- 10.552 INVALID-ORDER-552 $Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ L_5 s + \frac{1}{C_5 s}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5g_ms^6 + 2C_2C_3C_5L_2L_3R_3g_ms^5 + C_2C_3C_5L_2L_3s^5 + C_2C_3C_5L_2L_5R_3g_ms^5 + C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5s^5 + 2C_2C_3C_5L_3R_2s^4 + 4C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L_3R_3s^4 + C_2C_3C_5L$
- 10.553 INVALID-ORDER-553 $Z(s) = \left(\infty, \ L_2 s + R_2 + \frac{1}{C_2 s}, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty\right)$
- $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + C_2C_3C_5L_2L_5R_3s^5 + 2C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_5L_5R_3s^5 + C_2C_3C_5L_5L_5R_3s^5 + C_2C_3C_5L_5L_5R_3s^5 + C_2C_3$

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10.554 INVALID-ORDER-554 Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)
```

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5g_ms^6 + 2C_2C_3C_5L_2L_3R_3g_ms^5 + C_2C_3C_5L_2L_3R_5g_ms^5 + C_2C_3C_5L_3L_5R_5g_ms^5 + C_2C_3C_5L_5L_5R_5g_ms^5 + C_2C_5C_5L_5L_5R_5g_ms^5 + C_2C_5C_5L_5L_5R_5g_ms^5 + C_2C_5C_5L_5L_5R_5g_ms^5 + C_2C_5C_5L_5L_5R_5g_ms^5 + C_2C_5C_5L_5L_5R_5g_ms^5 + C_2C_5$

10.555 INVALID-ORDER-555
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \ \infty\right)$$

10.556 INVALID-ORDER-556
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2 + 1} + R_5, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5R_2g_ms^5 + C_2C_3C_5L_3L_5R_3g_ms^5 + C_2C_3C_5$

10.557 INVALID-ORDER-557
$$Z(s) = \left(\infty, \ L_2s + R_2 + \frac{1}{C_2s}, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_5g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L$

10.558 INVALID-ORDER-558
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 - C_5 L_2 s^2 - C_5 R_2 s + L_2 g_m s + R_2 g_m + 1\right)}{2 C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_2 s^3 + 4 C_2 C_5 L_2 R_3 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + 2 C_5 L_2 R_3 g_m s^2 + C_5 L_2 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + L_2 g_m s + R_2 g_m + 1}$$

10.559 INVALID-ORDER-559
$$Z(s) = \left(\infty, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, R_3, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_2 R_5 s^3 + C_2 L_2 R_2 g_5 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 - C_5 R_2 R_5 s + L_2 R_5 g_m s - L_2 s + R_2 R_5 g_m - R_2 + R_5 \right)}{2 C_2 C_5 L_2 R_2 R_3 R_5 g_m s^3 + C_2 C_5 L_2 R_3 R_5 g_m s^3 + C_2 C_5 L_2 R_3 R_5 g_m s^2 + C_2 L_2 R_2 R_3 g_m s^2 + C_2 L_2 R_2 g_5 g_m s^2 + C_2 L_2 R_3 g_m s^2 + C_2 L_2$$

10.560 INVALID-ORDER-560
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 R_2 R_5 g_m s^3 - C_2 C_5 L_2 R_2 s^3 + C_2 C_5 L_2 R_5 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_5 L_2 R_5 g_m s^2 - C_5 L_2 s^2 + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + L_2 g_m s + R_2 g_m + 1\right)}{2 C_2 C_5 L_2 R_2 R_5 g_m s^3 + C_2 C_5 L_2 R_2 s^3 + 4 C_2 C_5 L_2 R_3 s^3 + C_2 C_5 L_2 R_5 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + 2 C_5 L_2 R_5 g_m s^2 + C_5 L_2 R_5 g_m s^2 + C_5 L_2 R_5 g_m s + C_5 R_2 R_$$

10.561 INVALID-ORDER-561
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_5 L_2 S^2 + C_5 L_2 S^2 + C_5 L_2 S^2 + C_5 L_5 S^2 - C_5 R_2 s + L_2 g_m s + R_2 g_m + 1 \right)}{C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2 s^3 + 4 C_2 C_5 L_2 R_2 g_m s^2 + C_5 L_2 S^2 + C_5 L_2 L_5 g_m s^3 + 2 C_5 L_2 R_2 g_m s^2 + C_5 L_2 S^2 + C_5 L_2 R_2 g_m s^2 + C_5 L_2 S^2 + C_5 L_2 R_2 g_m s^2 + C_5 L_2 S^2 + C_5 L_2 R_2 g_m s^2 + C_5 L_2 S^2 + C_5 L_2 R_2 g_m s^2 + C_5 L_2 S^2 + C_5 L_2 R_2 g_m s^2 + C_5 L_2 R_2 g_m$$

10.562 INVALID-ORDER-562
$$Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, R_3, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 R_2 s^4 + C_2 L_2 L_5 R_2 g_m s^3 + C_2 L_2 L_5 s^3 - C_5 L_2 L_5 s^3 - C_5 L_2 L_5 s^3 - C_5 L_2 L_5 g_m s^2 - L_2 s + L_5 R_2 g_m s + L_5 s - R_2 \right)}{2 C_2 C_5 L_2 L_5 R_3 g_m s^4 + C_2 C_5 L_2 L_5 R_3 s^4 + C_2 L_2 L_5 R_3 s^4 + C_2 L_2 L_5 R_3 g_m s^2 + C_2 L_2 R_3 g_m s^2 + C_5 L_2 L_5 R_3 g_m s^3 + C_5 L_5 R_5 g_m s$$

```
10.563 INVALID-ORDER-563 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)
```

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 L_5 s^4 + C_2 C_5 L_2 R_5 g_m s^3 - C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_5 L_2 R_2 g_m s^3 + C_5 L_2 R_5 g_m s^3 + C_5 L_5 R_5 g_$

```
10.564 INVALID-ORDER-564 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)
```

 $H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 R_2 R_5 g_m s^3 - C_2 L_2 L_5 R_2 s^3 + C_2 L_2 L_5 R_5 s^3 - C_2 L_2 R_2 R_5 s^2 - C_5 L_2 L_5 R_5 s^3 - C_5 L_2 L_5 R_2 R_5 s^3 + C_5 L_2 L_5 R_2 R_3 g_m s^4 + C_2 C_5 L_2 L_5 R_2 R_3 R_5 g_m s^4 + C_2 C_5 L_2 L_5 R_3 R_5 g_m s^4 + C_2 L_2 L_5 R_3 R_5 g_m s^3 + C_2 L_2 R_5 R_5 g_m s^3 +$

10.565 INVALID-ORDER-565 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^4 - C_2 C_5 L_2 L_5 R_2 s^4 + C_2 L_2 L_5 R_3 s^4 + C_2 L_2 L_5 R_3 g_m s^3 + C_2 L_2 R_2 g_m s^3 + C_2 L_2 R_$

10.566 INVALID-ORDER-566 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^4 - C_2 C_5 L_2 L_5 R_2 s^4 + C_2 C_5 L_2 L_5 R_5 s^4 - C_2 C_5 L_2 R_2 R_5 s^3 + C_2 L_2 R_2 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 L_2 R_2 g_m s^2 - C_2 L_2 R_2 g_m s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2 R_3 g_m s^4 + C_2 C_5 L_2 R_3 R_3 g_m s^4 + C_2$

10.567 INVALID-ORDER-567 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{1}{C_3s}, \ \infty, \ R_5, \ \infty\right)$

 $H(s) = \frac{C_2L_2R_2R_5g_ms^2 - C_2L_2R_2s^2 + C_2L_2R_5s^2 + L_2R_5g_ms - L_2s + R_2R_5g_m - R_2 + R_5}{C_2C_3L_2R_2s^3 + C_2C_3L_2R_5s^3 + 2C_2L_2R_2g_ms^2 + 4C_2L_2s^2 + C_3L_2R_5g_ms^2 + C_3L_2s^2 + C_3R_2R_5g_ms + C_3R_2s + C_3R_2s + C_3R_5s + 2L_2g_ms + 2R_2g_m + 4}$

10.568 INVALID-ORDER-568 $Z(s) = \left(\infty, \frac{L_{2s}}{C_2L_2s^2+1} + R_2, \frac{1}{C_3s}, \infty, \frac{1}{C_5s}, \infty\right)$

 $H(s) = \frac{-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 - C_5L_2s^2 - C_5R_2s + L_2g_ms + R_2g_m + 1}{s\left(C_2C_3C_5L_2R_2g_ms^2 + C_2C_3L_2R_2g_ms^2 + 2C_2C_5L_2R_2g_ms^2 + 4C_2C_5L_2s^2 + C_3C_5R_2s + C_3L_2g_ms + C_3R_2g_m + C_3 + 2C_5L_2g_ms + 2C_5R_2g_m + 4C_5\right)}$

10.569 INVALID-ORDER-569 $Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, \frac{1}{C_3s}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$

 $H(s) = \frac{-C_2C_5L_2R_2S^3 + C_2L_2R_2S^3 + C_2L_2R_2S^2 + C_2L_2R_5s^2 - C_5L_2R_5s^2 - C_5L_2R_5s^2 - C_5R_2R_5s + L_2R_5g_ms - L_2s + R_2R_5g_m - R_2 + R_5}{C_2C_3C_5L_2R_2S^3 + C_2C_3L_2R_2S^3 + C_2C_3L_2R_5s^3 + 2C_2L_2R_2g_ms^2 + 4C_2L_2s^2 + C_3C_5L_2R_5s^3 + C_3C_5R_2R_5s^2 + C_3L_2R_5g_ms^2 + C_3L_2S^2 + C_3R_2S^2 + C_$

10.570 INVALID-ORDER-570 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{1}{C_3s}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$

 $H(s) = \frac{C_2C_5L_2R_2R_5g_ms^3 - C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_5L_2R_5g_ms^2 - C_5L_2s^2 + C_5R_2g_ms - C_5R_2s + C_5R$

10.571 INVALID-ORDER-571 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{1}{C_3s}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$

 $H(s) = \frac{C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 - C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_5L_2s^2 + C_5L_2L_5g_ms^3 - C_5L_2s^2 + C_5L_5s^2 - C_5R_2s + L_2g_ms + R_2g_m + 1}{s\left(C_2C_3C_5L_2L_5R_2g_ms^4 + C_2C_3C_5L_2R_2s^3 + C_2C_3L_2R_2g_ms^2 + C_2C_5L_2R_2g_ms^2 + 4C_2C_5L_2s^2 + C_3C_5L_2s^2 + C_3C_5L$

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10.573 INVALID-ORDER-573 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{1}{C_3s}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 + C_2C_5L_2R_2g_ms^3 - C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^3 + C_5L_2R_5g_ms^3 + C_5L_2R_5g
10.574 INVALID-ORDER-574 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{1}{C_3s}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -C_2C_5L_2L_5R_2R_5s^4 + C_2L_2L_5R_2g_ms^3 - C_2L_2L_5R_2s^3 + C_2L_2L_5R_5s^3 - C_2L_2R_2s^3 + C_2L_2L_5R_5s^3 - C_5L_2L_5R_5s^3 - C_5L_5R_5s^3 - C_5L_5R_5s^3 + C_5L_5R_5s^3 - C_5L_5
H(s) = \frac{-C_2C_5L_2L_5R_2R_5s^4 + C_2L_2L_5R_2s^3 + C_2L_2L_5R_2s^3 + C_2L_2L_5R_2s^3 + C_2L_2L_5R_2s^3 - C_5L_2L_5R_2s^3 - C_5L_2L_5R_2s^3 - C_5L_5R_2s^3 - C_5L_5R_2s^3
10.575 INVALID-ORDER-575 Z(s) = \left(\infty, \frac{L_{2s}}{C_2L_2s^2+1} + R_2, \frac{1}{C_3s}, \infty, \frac{L_{5s}}{C_5L_5s^2+1} + R_5, \infty\right)
H(s) = \frac{C_2C_5L_2L_5R_2g_ms^4 - C_2C_5L_2L_5R_2s^4 + C_2L_2L_5R_2s^4 + C_2L_2L_5R_2g_ms^3 + C_2L_2L_5s^3 + C_2L_2R_2g_ms^3 - C_2L_2R_2s^2 + C_2L_2R_2s^2 + C_2L_2R_5s^3 + C_2L_2R_2g_ms^3 - C_2L_2R_2s^3 + C_2L_2R_2g_ms^3 + C_2L
10.576 INVALID-ORDER-576 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_2C_5L_2L_5R_2R_5g_ms^4 - C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_5s^4 - C_2C_5L_2R_2R_5s^3 + C_2L_2R_2R_5g_ms^2 - C_2L_2R_2s^2 + C_2L_2R_5s^3 
                                                      \frac{C_2C_5L_2L_5R_2S_5q_ms^5 - C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_5s^5 - C_2C_5L_2R_2R_5g_ms^5 - C_2L_2R_2s^5 + C_2L_2R_2s^5 +
10.577 INVALID-ORDER-577 Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, \frac{R_3}{C_3R_3s+1}, \infty, R_5, \infty\right)
H(s) = \frac{R_3 \left( C_2 L_2 R_2 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 g_m s - L_2 s + R_2 R_5 g_m - R_2 + R_5 \right)}{C_2 C_3 L_2 R_3 R_5 g_m s^3 + C_2 C_3 L_2 R_3 g_m s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 R_2 s^2 + 4 C_2 L_2 R_3 s^2 + C_2 L_2 R_3 s^2 + C_3 L_2 R_3 R_5 g_m s^2 + C_3 L_2 R_3 R_5 g_m s + C_3 R_2 R_3 R_5 g_m s + L_2 R_3 g_m s + L_2 R_5 g_m s + L_2 R_3 g_m s + L_2 R_3 g_m s + L_2 R_3 g_m s + L_3 R_3 g_m 
10.578 INVALID-ORDER-578 Z(s) = \left(\infty, \frac{L_{2s}}{C_2L_2s^2+1} + R_2, \frac{R_3}{C_3R_3s+1}, \infty, \frac{1}{C_5s}, \infty\right)
H(s) = \frac{R_3 \left( -C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 - C_5 R_2 s + L_2 g_m s + R_2 g_m + 1 \right)}{C_2 C_3 C_5 L_2 R_2 R_3 g_m s^3 + C_2 C_3 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_3 g_m s^3 + C_3 C_5 L_2 R_3 g_m s^3
10.579 INVALID-ORDER-579 Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, \frac{R_3}{C_3R_3s+1}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)
```

 $H(s) = \frac{-C_2C_5L_2L_5R_2s^4 + C_2L_2L_5R_2g_ms^3 + C_2L_2L_5s^3 - C_5L_2E_5s^3 - C_5L_2E_5s^3 - C_5L_5R_2s^2 + L_2L_5g_ms^2 - L_2s + L_5R_2g_ms + L_5s - R_2}{C_2C_3C_5L_2L_5R_2g_ms^4 + C_2C_3L_2E_5s^4 + C_2C_3L_2E_5s^4 + 2C_2L_2E_3g_ms^2 + 4C_2L_2s^2 + C_3C_5L_2E_5s^4 + C_3C_5L_$

10.572 INVALID-ORDER-572 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$

10.580 INVALID-ORDER-580 $Z(s) = \left(\infty, \frac{L_{2}s}{C_{2}L_{2}s^{2}+1} + R_{2}, \frac{R_{3}}{C_{3}R_{3}s+1}, \infty, R_{5} + \frac{1}{C_{5}s}, \infty\right)$

 $H(s) = \frac{1.3 \left(-\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$

 $H(s) = \frac{1}{C_2C_3C_5L_2R_2R_3R_5g_ms^4 + C_2C_3C_5L_2R_2R_3s^4 + C_2C_3C_5L_2R_3R_5s^4 + C_2C_3L_2R_2g_ms^3 + C_2C_5L_2R_2g_ms^3 + C_2C_5L_2R_2g_ms^2 + C$

 $R_3\left(-C_2C_5L_2R_2R_5s^3+C_2L_2R_2R_5g_ms^2-C_2L_2R_2s^2+C_2L_2R_5s^2-C_5L_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_2R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5L_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^2-C_5R_5s^$

 $R_3 \left(C_2 C_5 L_2 R_2 R_5 g_m s^3 - C_2 C_5 L_2 R_2 s^3 + C_2 C_5 L_2 R_5 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_5 L_2 R_5 g_m s^2 - C_5 L_2 R_5 g_m s^2 + C_5 L_5 R_5 g$

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10.581 INVALID-ORDER-581 Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, \frac{R_3}{C_3R_3s+1}, \infty, L_5s + \frac{1}{C_5s}, \infty\right)
```

 $R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_5 L_2 L_5 g_m s^3 - C_5 L_2 L_5 g_m s^4 \right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_5 L_2 L_5 g_m s^3 - C_5 L_2 L_5 g_m s^3 - C_5 L_2 L_5 R_3 g_m s^3 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_3 g_m s^3 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2$

10.582 INVALID-ORDER-582 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$

 $H(s) = \frac{R_3 \left(- C_2 C_5 L_2 L_5 R_2 S_3 + C_2 L_2 L_5 R_2 g_m s + C_2 L_2 L_5 R_2 g_m s + C_2 L_2 L_5 R_2 g_m s + C_2 L_2 L_5 s - C_2 L_2$

10.583 INVALID-ORDER-583 $Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, \frac{R_3}{C_3R_3s+1}, \infty, L_5s + R_5 + \frac{1}{C_5s}, \infty\right)$

 $H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^5 + C_2 C_5 L_2 R_2 R_3 g_m s^5 + C_2 C_5 L_2 R_3 R_$

10.584 INVALID-ORDER-584 $Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, \frac{R_3}{C_3R_3s+1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_5R_2R_3R_5s^5 + C_2C_3L_2L_5R_2R_3R_5g_ms^4 + C_2C_3L_2L_5R_2R_3s^4 + C_2C_3L_2L_5R_3R_5s^4 + C_2C$

10.585 INVALID-ORDER-585 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$

 $\overline{C_{2}C_{3}C_{5}L_{2}L_{5}R_{2}R_{3}R_{5}q_{m}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{5}R_{2}R_{3}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{5}R_{3}R_{5}s^{5} + C_{2}C_{3}L_{2}L_{5}R_{3}q_{m}s^{4} + C_{2}C_{3}L_{2}L_{5}R_{3}s^{4} + C_{2}C_{3}L_{2}L_{5}R_{3}s^{4} + C_{2}C_{3}L_{2}L_{5}R_{3}s^{4} + C_{2}C_{3}L_{2}R_{3}R_{5}s^{4} + C_{2}C_{3}L_{2}R_{3}R_{5}s^{3} + C_{2}C_{3}L_{2}L_{5}R_{2}R_{3}q_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}R_{2}R_{3}q_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}R_{2}q_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}R_{2}q_$

10.586 INVALID-ORDER-586 $Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, \frac{R_3}{C_3R_3s+1}, \infty, \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_5R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_2R_3s^5 + C_2C_3C_5L_2L_5R_3R_5s^5 + C_2C_3C_5L_2R_2R_3R_5g_ms^3 + C_2C_3L_2R_2R_3R_5g_ms^3 + C_2C_3L_2R_2R_3R_5s^3 + C_2C_3L_2R_2R_3R$

10.587 INVALID-ORDER-587 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ R_5, \ \infty\right)$

 $H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}L_{2}R_{5}g_{m}s^{2}-C_{2}L_{2}R_{5}s^{2}+L_{2}R_{5}g_{m}s-L_{2}s+R_{2}R_{5}g_{m}-R_{2}+R_{5}\right)}{2C_{2}C_{3}L_{2}R_{2}g_{m}s^{3}+C_{2}C_{3}L_{2}R_{5}s^{3}+4C_{2}C_{3}L_{2}R_{5}s^{3}+2C_{2}L_{2}R_{2}g_{m}s^{2}+4C_{2}L_{2}s^{2}+2C_{3}L_{2}R_{5}g_{m}s^{2}+C_{3}L_{2}R_{5}g_{m}s+C_{3}R_{2}R_{5}g_{m}s+C_{3}R_{2}$

10.588 INVALID-ORDER-588 $Z(s) = \left(\infty, \frac{L_2s}{C_2L_2s^2+1} + R_2, R_3 + \frac{1}{C_3s}, \infty, \frac{1}{C_5s}, \infty\right)$

 $\frac{\left(C_{3}R_{3}s+1\right)\left(-C_{2}C_{5}L_{2}R_{2}s^{3}+C_{2}L_{2}g_{m}s^{2}+C_{2}L_{2}s^{2}-C_{5}L_{2}s^{2}-C_{5}L_{2}s^{2}-C_{5}L_{2}s^{2}+L_{2}g_{m}s+R_{2}g_{m}+1\right)}{s\left(2C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+4C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+4C_{2}C_{3}L_{2}R_{2}g_{m}s^{2}+C_{2}C_{5}L_{2}R_{2}g_{m}s^{2}+4C_{2}C_{5}L_{2}s^{2}+2C_{3}C_{5}L_{2}R_{3}g_{m}s+C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{3}s+C_{3}L_{2}g_{m}s+C_{3}C_{5}L_{2}g_{m}s+C_{3}C_{5}L_{2}g_{m}s+C_{3}C_{5}L_{2}g_{m}s+C_{3}C_{5}L_{2}g_{m}s+C_{3}C_{5}R_{2}g_{m}s+C$

10.589 INVALID-ORDER-589 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)$

 $\frac{(c_3C_3C_5L_2R_2R_3R_5g_ms^4 + C_2C_3C_5L_2R_2R_5s^4 + 4C_2C_3C_5L_2R_3R_5s^4 + 2C_2C_3L_2R_2g_ms^3 + C_2C_3L_2R_2s^3 + 4C_2C_3L_2R_2s^3 + 4C_$

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10.590 INVALID-ORDER-590 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)
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 $H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2R_2S_3s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_5L_2R_5g_ms^2 - C_5L_2s^2 + C_5R_2g_ms - C_5R_2s + C_$

10.591 INVALID-ORDER-591
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 - C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_5L_2S^2 + C_5L_2S^2 + C_5L_5s^2 - C_5R_2s + L_2g_ms + R_2g_ms^2 + C_2C_3C_5L_2R_2g_ms^4 + C_2C$

10.592 INVALID-ORDER-592
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$$

 $H(s) = -\frac{(C_3R_3s+1)\left(C_2C_5L_2L_5R_2s^4 - C_2L_2L_5R_2g_ms^3 - C_2L_2L_5s^3 + C_2L_2R_2s^2 + C_5L_2R_2s^3 - C_2L_2L_5s^3 + C_2L_2R_2s^3 +$

10.593 INVALID-ORDER-593
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_5L_2L_5g_ms^3 + C_5L_2R_5g_ms^2 - C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2g_ms^2 + C_2C_5L_2R_2g_m$

10.594 INVALID-ORDER-594
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_5R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_2R_5s^5 + 4C_2C_3C_5L_2L_5R_3R_5s^5 + 2C_2C_3L_2L_5R_2g_ms^4 + C_2C_3L_2L_5R_2s^4 + 4C_2C_3L_2L_5R_3s^4 + C_2C_3L_2L_5R_3s^4 + C_2C_$

10.595 INVALID-ORDER-595
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$$

 $H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5R_2g_ms^4 - C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_3L_2L_5R_2s^4 + C_2$

10.596 INVALID-ORDER-596
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_5R_2R_3g_ms^5 + C_2C_3C_5L_2L_5R_2s_gms^5 + C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + 2C_2C_3C_5L_2R_2R_3R_5g_ms^4 + C_2C_3C_5L_2R_2R_3R_5s^4 + 4C_2C_3C_5L_2R_3R_5s^4 + 4C_2C_3C_5L_2R_5s^4 + 4C_2C_3C_5L_2R_5s^4$

10.597 INVALID-ORDER-597
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ R_5, \ \infty\right)$$

 $H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2L_2R_2g_ms^2 - C_2L_2R_2s^2 + C_2L_2R_5s^2 + L_2R_5g_ms - L_2s + R_2R_5g_m - R_2 + R_5\right)}{2C_2C_3L_2L_3R_2g_ms^4 + 4C_2C_3L_2L_3s^4 + C_2C_3L_2R_2g_ms^3 + C_2C_3L_2R_2s^3 + C_2C_3L_2R_2s^3 + 2C_2L_2R_2g_ms^2 + 4C_2L_2s^2 + 2C_3L_2R_2g_ms^3 + C_3L_2s^2 + 2C_3L_3R_2g_ms^2 + 4C_3L_3s^2 + C_3R_2g_ms + C_3R_2g_ms$

10.598 INVALID-ORDER-598
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 - C_5R_2s + L_2g_ms + R_2g_m + 1\right)}{s\left(2C_2C_3C_5L_2L_3R_2g_ms^4 + 4C_2C_3C_5L_2R_2s^3 + C_2C_3L_2s^2 + 2C_2C_5L_2R_2g_ms^2 + 4C_2C_5L_2s^2 + 2C_3C_5L_2R_2g_ms^3 + C_3C_5L_2s^2 + 2C_3C_5L_2R_2g_ms^2 + 4C_3C_5L_2s^2 + 2C_3C_5L_2R_2g_ms^2 + 2C_3C_5L_2R_2g$

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10.599 INVALID-ORDER-599 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (C_3L_3s^2+1)(C_2C_5L_2R_2R_5s^3-C_2L_2R_2R_5g_ms^2+C_2L_2R_2s^2-C_2L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_2R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5L_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+C_5R_5s^2+
H(s) = -\frac{(C_3L_3s^5 + 1)(C_2C_5L_2R_2R_5s^s - C_2L_2R_2R_5g_ms^5 + C_2L_2R_2s^5 - C_2L_2R_2s^5 - C_2L_2R_5s^5 + C_5L_2R_5s^5 - C_2L_2R_2s^5 - C_2L_2R_5s^5 + C_5L_2R_5s^5 - C_2L_2R_2s^5 - C_2L_2R_5s^5 + C_5L_2R_5s^5 + C_5L_2R_5s^
10.600 INVALID-ORDER-600 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2R_2S_gms^3 - C_2C_5L_2R_2s^3 + C_2L_2R_2gms^2 + C_2L_2s^2 + C_5L_2R_5gms^2 - C_5L_2s^2 + C_5R_2S_gms - C_5R_2s + C_5R
10.601 INVALID-ORDER-601 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5g_ms^4 + C_2C_5L_2L_5s^4 - C_2C_5L_2R_2g_ms^2 + C_5L_2S^2 + C_5L_2S^2 + C_5L_2S^2 + C_5L_5g_ms^3 - C_5L_2s^2 + C_5L_5g_ms^3 - C_5L_2s^2 + C_5L_5g_ms^3 + + C_5L_5g_ms^3
10.602 INVALID-ORDER-602 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \left( C_3 L_3 s^2 + 1 \right) \left( C_2 C_5 L_2 L_5 R_2 s^4 - C_2 L_2 L_5 R_2 g_m s^3 - C_2 L_2 L_5 s^3 + C_2 L_2 R_2 s^2 + C_5 L_2 L_5 R_2 g_m s^3 - C_2 L_2 L_5 s^3 + C_2 L_2 R_2 s^2 + C_5 L_2 L_5 R_2 g_m s^3 - C_2 L_2 L_5 R_2 g_m s^
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$$H(s) = -\frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5R_2s^4 - C_2L_2L_5R_2g_ms^3 - C_2L_2L_5s^3 + C_2L_2R_2s^2 + C_5L_2R_2s^3 - C_2L_2L_5s^3 + C_2L_2R_2s^2 + C_5L_2R_2s^3 + C_2C_3L_2L_3R_2g_ms^4 + C_2C_3L_2L_5R_2g_ms^4 + C_2C_3L_2L_$$

10.604 INVALID-ORDER-604
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$$

$$H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2S_6g_ms^6 + 4C_2C_3C_5L_2L_3L_5S_5s^6 + C_2C_3C_5L_2L_5R_2S_5s^5 + 2C_2C_3L_2L_3L_5S_5s^5 + 2C_2C_3L_2L_3L_5S_5s^5 + 2C_2C_3L_2L_3R_2S_5s^5 + 2C_2C_3L_2L_3R_2S_5s^4 + 4C_2C_3L_2L_3R_2S_4s^4 + 4C_2C_3L_2R_2S_4s^4 + 4C_2C_3L_2R_2S_4s^4 + 4C_2C_3L_2R_2S_4s^4 + 4C_2C_3L_2R_2S_4s^4 + 4C_2C_3L_2R_2S_4s^4 + 4C_2C_3$$

10.605 INVALID-ORDER-605
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$$

$$H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5R_2g_ms^4 - C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_3L_2L_3R_2g_ms^4 + 4C_2C_3L_2L_3R_2g_ms^4 + 4C_2C_3L_2L_5R_2g_ms^4 + C_2C_3L_2L_5R_2g_ms^4 + C_2C_3L_2L_5R_2g_ms^2 + C_2C_3L_2L_5R_2g_ms^2 + C_2C_3L_2L_5R_2g_ms^2 + C_2C_3L_2L_5R$$

10.606 INVALID-ORDER-606
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

$$H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2g_ms^6 + 4C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + 4C_2C_3C_5L_2L_3R_5s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_3R_2g_ms^4 + 4C_2C_3L_2L_3s^4 + C_2C_3L_2L_3s^4 + C_2C_3L_2L_3s^2 +$$

10.607 INVALID-ORDER-607
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ R_5, \ \infty\right)$$

$$H(s) = \frac{L_{3}s\left(C_{2}L_{2}R_{5}g_{m}s^{2} - C_{2}L_{2}R_{5}s^{2} + L_{2}R_{5}g_{m}s - L_{2}s + R_{2}R_{5}g_{m} - R_{2} + R_{5}\right)}{C_{2}C_{3}L_{2}L_{3}R_{2}s^{4} + C_{2}C_{3}L_{2}L_{3}R_{5}s^{4} + 2C_{2}L_{2}R_{3}g_{m}s^{3} + 4C_{2}L_{2}L_{3}s^{3} + C_{2}L_{2}R_{5}g_{m}s^{2} + C_{2}L_{2}R_{5}s^{2} + C_{3}L_{2}L_{3}s^{3} + C_{3}L_{2}L_{3}s^{3} + C_{3}L_{3}R_{2}s^{2} + C_{3}L_{3}R_{5}s^{2} + 2L_{2}L_{3}g_{m}s^{2} + L_{2}R_{5}g_{m}s + L_{2}s + L_{$$

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10.608 INVALID-ORDER-608 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{L_{3}s\left(-C_{2}C_{5}L_{2}R_{2}s^{3} + C_{2}L_{2}S^{2} - C_{5}L_{2}s^{2} - C_{5}L_{2}s^{2} - C_{5}R_{2}s + L_{2}g_{m}s + R_{2}g_{m} + 1\right)}{C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}g_{m}s^{4} + C_{2}C_{3}L_{2}L_{3}s^{4} + 2C_{2}C_{5}L_{2}L_{3}S^{4} + 2C_{2}C_{5}L_{2}L_{3}s^{4} + C_{2}C_{5}L_{2}L_{3}s^{4} + C_{2}
10.609 INVALID-ORDER-609 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L_{3}s\left(-C_{2}C_{5}L_{2}R_{2}R_{5}s^{3}+C_{2}L_{2}R_{2}R_{5}g_{m}s^{2}-C_{2}L_{2}R_{2}s^{2}+C_{2}L_{2}R_{5}s^{2}-C_{5}L_{2}R_{5}s^{2}\right)
H(s) = \frac{L_{3}s \left(-\sqrt{2}C_{5}L_{2}R_{1}R_{5}s^{5} + \sqrt{2}L_{2}R_{2}R_{5}g_{m}s^{4} + C_{2}L_{2}R_{2}g_{m}s^{5} - \sqrt{2}L_{2}R_{5}s^{6} - C_{5}L_{2}R_{5}s^{6} - C_{5}L_{2}R_{5}s^{6} - C_{5}L_{2}R_{5}s^{6} - C_{5}L_{2}R_{5}s^{6} - C_{5}L_{2}R_{5}s^{6} + C_
10.610 INVALID-ORDER-610 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               L_{3}s\left(C_{2}C_{5}L_{2}R_{2}R_{5}g_{m}s^{3}-C_{2}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}L_{2}R_{2}g_{m}s^{2}+C_{2}L_{2}s^{2}+C_{5}L_{2}R_{5}g_{m}s^{2}-C_{5}L_{2}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}R_{2}R_{5}g_{m}s^{3} - C_{2}C_{5}L_{2}R_{2}s^{3} + C_{2}L_{2}R_{2}g_{m}s^{2} + C_{2}L_{2}s^{2} + C_{5}L_{2}R_{5}g_{m}s^{2} - C_{5}L_{2}R_{5}g_{m}s^{2} - C_{5}L_{2}R_{5}g_{m}s^{3} + C_{2}C_{5}L_{2}R_{5}g_{m}s^{3} + C_{2}C_{5}L_{2}R
10.611 INVALID-ORDER-611 Z(s) = \left(\infty, \ \frac{L_{2s}}{C_2L_2s^2+1} + R_2, \ \frac{L_{3s}}{C_3L_3s^2+1}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}R_{2}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} - C_{2}C_{5}L_{2}R_{2}s^{3} + C_{2}L_{2}R_{2}g_{m}s^{2} + C_{2}L_{2}s^{2} + C_{5}L_{2}L_{5}g_{m}s^{3} - C_{5}L_{2}L_{5}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{3}L_{5}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}s^{5} + C_{2}C_{3}L_{2}L_{3}R_{2}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{3}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{3}s^{4} + C_{2}C_{5}L_{2
10.612 INVALID-ORDER-612 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)
                                                  \frac{L_{3}s\left(-C_{2}C_{5}L_{2}L_{5}R_{2}s^{4}+C_{2}L_{2}L_{5}R_{2}g_{m}s^{3}+C_{2}L_{2}L_{5}s^{3}-C_{2}L_{2}R_{2}s^{2}-C_{5}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}-C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{3}+C_{2}L_{2}L_{5}s^{
10.613 INVALID-ORDER-613 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}R_{2}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{3}S^{5} + C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}s^{5} + C_{2}C_{3}L_{2}L_{3}R_{2}s^{5} + C_{2}C_{3}L_{2}L_{3
10.614 INVALID-ORDER-614 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)
H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_5s^6 + C_2C_3L_2L_3L_5R_2s^5 + C_2C_3L_2L_3L_5R_2s^5 + C_2C_3L_2L_3L_5R_2s^5 + C_2C_3L_2L_3L_5R_2s^5 + C_2C_3L_2L_3L_5R_2s^5 + C_2C_3L_2L_3L_5R_2s^5 + C_2C_5L_2L_3L_5R_2s^5 + C_2C_5L_2L
10.615 INVALID-ORDER-615 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + C_2C_3C_5L_2L_3L_5R_5s^6 + C_2C_3L_2L_3L_5s^5 + C_2C_3L_2L_3L_5s^5 + C_2C_3L_2L_3R_2s^4 + C_2C_3L_2L_3R
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 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_5q_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + C_2C_3C_5L_2L_3L_5R_5s^6 + C_2C_3C_5L_2L_3R_2s^5 + C_2C_3L_2L_3R_2s^6 + C_2C_3L_2L$

10.616 INVALID-ORDER-616 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$

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10.617 INVALID-ORDER-617 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ R_5, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2L_2R_2g_{5}g_{m}s^2 - C_2L_2R_2s^2 + L_2R_5g_{m}s - L_2s + R_2R_5g_{m} - R_2 + R_5\right)}{2C_2C_3L_2L_3R_2g_{m}s^4 + 4C_2C_3L_2R_3g_{m}s^3 + C_2C_3L_2R_2g_{m}s^3 + C_2C_3L_2R_2g_{m}s^3 + C_2C_3L_2R_2g_{m}s^3 + C_2C_3L_2R_2g_{m}s^3 + C_2C_3L_2R_2g_{m}s^3 + C_2C_3L_2R_3g_{m}s^3 + C_2
10.618 INVALID-ORDER-618 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \left( C_3 L_3 s^2 + C_3 R_3 s + 1 \right) \left( -C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 - C_5 L_2 s^2 - C_5 R_2 s + L_2 g_m s + R_2 g_m + 1 \right) 
H(s) = \frac{(C_3L_3s^2 + C_3R_3s + 1)(-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 - C_5R_2s + L_2g_ms + R_2g_m + 1)}{s(2C_2C_3C_5L_2L_3g_ms^4 + 4C_2C_3C_5L_2R_2g_ms^3 + C_2C_3C_5L_2R_2g_ms^3 + C_2C_3L_2s^2 + 2C_3C_5L_2R_2g_ms^2 + 4C_2C_5L_2s^2 + 2C_3C_5L_2R_2g_ms^3 + 2C_3C_5L_2R_2g_m
10.619 INVALID-ORDER-619 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)
                                                          -\frac{1}{2C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}R_{5}g_{m}s^{5}+4C_{2}C_{3}C_{5}L_{2}L_{3}R_{5}s^{5}+2C_{2}C_{3}C_{5}L_{2}R_{2}R_{3}R_{5}g_{m}s^{4}+C_{2}C_{3}C_{5}L_{2}R_{2}R_{5}s^{4}+4C_{2}C_{3}L_{2}L_{3}R_{2}g_{m}s^{4}+4C_{2}C_{3}L_{2}L_{3}R_{2}g_{m}s^{3}+C_{2}C_{3}L_{2}R_{2}R_{3}g_{m}s^{3}+C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C_{3}L_{2}R_{2}S^{3}+4C_{2}C
10.620 INVALID-ORDER-620 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \underline{\left(C_{3}L_{3}s^{2}+C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}R_{2}R_{5}g_{m}s^{3}-C_{2}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}L_{2}R_{2}g_{m}s^{2}+C_{2}L_{2}s^{2}+C_{5}L_{2}R_{5}g_{m}s^{2}-C_{5}L_{2}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}L_{5}R_{5}g_{m}s^{2}+C_{5}
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_5L_2R_5g_ms^2 - C_5L_2R_5g_ms^2 - C_5L_2R_5g_ms^2 + C_2C_3C_5L_2R_2g_ms^2 + C_2C_3C_5L_2R_2g_ms^2 + C_2C_3L_2R_2g_ms^2 + C_2C_3L_2R_2g_
10.621 INVALID-ORDER-621 Z(s) = \left(\infty, \ \frac{L_{2s}}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)
                                                 \frac{\left(C_{3}L_{3}s^{2}+C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}L_{5}R_{2}g_{m}s^{4}+C_{2}C_{5}L_{2}L_{5}s^{4}-C_{2}C_{5}L_{2}R_{2}s^{3}+C_{2}L_{2}S_{2}s^{2}+C_{5}L_{2}L_{5}g_{m}s^{3}-C_{5}L_{2}L_{5}g_{m}s^{3}-C_{5}L_{2}L_{5}g_{m}s^{4}+C_{5}L_{2}L_{5}g_{m}s^{4}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_{5}g_{m}s^{3}+C_{5}L_
10.622 INVALID-ORDER-622 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)
                                                          \overline{2C_2C_3C_5L_2L_3L_5R_2g_ms^6 + 4C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_5R_2g_ms^5 + C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_3s^5 + 2C_2C_3L_2L_3R_2g_ms^4 + 4C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^3 + 4C_2C_3L_2L_5s^3 + 4C_2C_3L_2L_5s^3 + 4C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^3 + 4C_2C_3L_2L_5s^3 + 4C_
10.623 INVALID-ORDER-623 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)
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$$H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 + C_2C_5L_2R_2g_ms^3 - C_2C_5L_2R_2s^3 + C_2C_5L_2R_5s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_3L_2R_2g_ms^4 + C_2C_3C_5L_2R_2g_ms^4 + C_$$

10.624 INVALID-ORDER-624
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2 + L_5s + R_5}, \ \infty\right)$$

$$H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_5g_ms^6 + 4C_2C_3C_5L_2L_3L_5R_5s^6 + 2C_2C_3C_5L_2L_5R_2R_3R_5g_ms^5 + 4C_2C_3C_5L_2L_5R_3R_5s^5 + 2C_2C_3L_2L_3L_5R_2g_ms^5 + 4C_2C_3L_2L_3L_5S^5 + 2C_2C_3L_2L_3L_5S^5 + 2C_2C_3L_2L_3R_5S^6 + 2C_2C_3L_$$

10.625 INVALID-ORDER-625
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$$

$$H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2g_ms^6 + 4C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_5R_2g_ms^5 + C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3L_2L_5R_3s^5 + C_2C_3L_2L_5R_3s^5$$

- 10.626 INVALID-ORDER-626 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2g_ms^6 + 4C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + 4C_2C_3C_5L_2L_5R_2g_ms^5 + C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5$
- 10.627 INVALID-ORDER-627 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ R_5, \ \infty\right)$
- $H(s) = \frac{L_3R_3s\left(C_2L_2R_2R_5g_ms^2 C_2L_2R_2s^2 + C_2L_2R_5s^2 + L_2R_5g_ms L_2s + R_2R_3g_ms^2 C_2L_2R_2s^2 + C_2L_2R_3s^2 + L_2R_5g_ms L_2s + R_2R_3g_ms^3 + C_2L_2L_3R_2R_3g_ms^3 + C_2L_2L_3R_2s^3 + 4C_2L_2L_3R_2s^3 + 4C_2L_2L_3R_2s^3 + 4C_2L_2L_3R_2s^3 + C_2L_2R_3R_5s^3 + C_2L_2R_3R_5$
- 10.628 INVALID-ORDER-628 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{L_3R_3s\left(-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 C_5L_2s^2 C_5R_2s + L_2g_ms^2 + C_2L_2s^2 C_5R_2s + L_2g_ms^2 + C_2L_2R_3s^3 + C_2L_2R_3g_ms^3 + C_2L$
- 10.629 INVALID-ORDER-629 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3R_2R_3R_5s^5 + C_2C_3L_2L_3R_2R_3R_5g_ms^4 + C_2C_3L_2L_3R_2R_3s^4 + C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_5L_2L_3R_2R_3g_ms^4 + C_2C_5L_2L_3R_3R_3g_ms^4 + C_2C_5L_3L_3R_3R_3g_ms^4 + C_2C$
- 10.630 INVALID-ORDER-630 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_2R_3s^5 + C_2C_3C_5L_2L_3R_3R_5s^5 + C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_5L_2L_3R_2R_3g_ms^4 + C_2C_5L_2L_3R_2s^4 + C_2C_5L_2L_3R_2s^4 + C_2C_5L_2L_3R_3s^4 + C$
- **10.631** INVALID-ORDER-631 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3R_2R_3s^5 + C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_5L_2L_3L_5R_2g_ms^5 + C_2C_5L_2L_3L_5R_2g_ms^5 + C_2C_5L_2L_3R_2s^4 + C_2C_5L_2L_3R_2s$
- 10.632 INVALID-ORDER-632 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3s^6 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_3s^4 + 2C_2C_5L_2L_3L_5R_2g_ms^5 + C_2C_5L_2L_3L_5R_2s^5 + 4C_2C_5L_2L_3L_5R_2s^5 + 4C_2C_5L_2L_3L_5R_2s^$
- 10.633 INVALID-ORDER-633 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_2R_3s^5 + C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_3L_2L_3R_3s^4 + C_2C_3L_2L_3R_2s^5 + C_2C_3L_2L_3R_2s$
- 10.634 INVALID-ORDER-634 $Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3R_5s^6 + C_2C_3L_2L_3L_5R_2R_3R_5g_ms^5 + C_2C_3L_2L_3L_5R_2R_3s^5 + C_2C_3L_2L_3L_5R_2R_3R_5s^4 + 2C_2C_5L_2L_3L_5R_2R_3R_5s^4 + 2C_2C_5L_2L_3L_5R_3R_5s^4 + 2C_2C_5L_3L_5R_5R_5s^4 + 2C_2C_5L_3L_5R_5R_5s^4 + 2C_2C_5L_3L_5R_5R_5s^4 + 2C_2C_5L_3L_5R_5R_5s^4 + 2C_2C_5L_3L_5R_5R_5s^4 + 2C_2C_5L_3L_5R_5R_5s^4 + 2C_2C_5L_5L$

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10.635 INVALID-ORDER-635 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
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 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_3s^6 + C_2C_3L_2L_3L_5R_3R_5s^6 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3R_2R_3s^6 + C_2C_3L_2L_3R_3R_5s^6 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3R_3R_5g_ms^4 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_2L_3L_5R_3g_ms^5 + C_2C_3L_2L_3L_3L_3R_3g_ms^5 + C_2C_3L_3L_3L_3R_3g_ms^5 + C_2C$

10.636 INVALID-ORDER-636
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_3s^6 + C_2C_3C_5L_2L_3L_5R_3R_5s^6 + C_2C_3C_5L_2L_3R_2R_3R_5s^5 + C_2C_3L_2L_3R_2R_3R_5g_ms^4 + C_2C_3L_2L_3R_2R_3R_5s^4 + C_2C_3L_2L_3R_3R_5s^4 + C_2C_3L_3L_3R_3R_5s^4 + C$

10.637 INVALID-ORDER-637
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ R_5, \ \infty\right)$$

 $H(s) = \frac{\left(C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}\right)\left(C_{2}L_{2}R_{2}Sg_{m}s^{2} - C_{2}L_{2}R_{2}s^{2} + C_{2}L_{2}R_{5}g_{m}s - L_{2}s + C_{2}L_{2}R_{5}g_{m}s - L_{2}s - C_{2}L_{2}R_{2}s^{2} + C_{2}L_{2}R$

10.638 INVALID-ORDER-638
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 - C_3C_5L_2L_3R_2g_ms^3 + C_2C_5L_2R_3g_ms^3 +$

10.639 INVALID-ORDER-639
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_2R_5s^5 + 4C_2C_3C_5L_2L_3R_3R_5s^5 + 2C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4$

10.640 INVALID-ORDER-640
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{(C_3L_3R_3s^2 + L_5L_5L_2L_3R_2R_3g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + C_2C_3C_5L_2L_3R_2s^5 + C_2C_3C_5L_2L_3R_2s^5 + C_2C_3C_5L_2L_3R_2s^5 + C_2C_3L_2L_3R_2s^5 + C_2C_3L_2L_3R_2s^5 + C_2C_3L_2L_3R_2s^4 + C_2C_5L_2L_3R_2s^4 + C_2C_5L_2L_3s^4 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2$

10.641 INVALID-ORDER-641
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{(C_3L_3R_3s^2 + I_3R_2)}{(C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3L_2L_3R_2g_ms^4 + C_2C_5L_2L_3R_2g_ms^4 + C_2C_$

10.642 INVALID-ORDER-642
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3L_2L_3L_5R_2g_ms^5 + C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_3s^4 + 2C_2C_5L_2L_3L_5R_2g_ms^5 + 4C_2C_5L_2L_3L_5s^5 + 2C_2C_5L_2L_3L_5R_2g_ms^5 + 4C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3L_5R_2g_ms^5 + 4C_2C_5L_2L_3L_5s^5 + 2C_2C_5L_2L_3L_5s^5 + 2C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3L_5R_2g_ms^5 + 4C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3L_5s^5 +$

10.643 INVALID-ORDER-643
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3R_2s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_2s^5 + 4$

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10.644 INVALID-ORDER-644 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)
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 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_5s^6 + 4C_2C_3C_5L_2L_3L_5R_3R_5s^6 + 2C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_2s^5 + 4C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_2s^5 + 4C_2C_3L_2L_3L_5R_2s^5 + 4C_2C_3L_2L_3L_3L_3R_2s^5 + 4C_2C_3L_2L_3L_3L_3R_2s^5 + 4C_2C_3L_2L_3L_3L_3R_2s^5 + 4C_2C_3L_2L_3L_3L_3R_2s^5 + 4C_2C_3L_2L_3L_3L_3R_2s^5 + 4C_2C_3L_3L_3L_3R_2s^5 + 4C_2C_3L_3L_3L_3R_3R_3s^5 + 4C_2C_3L_3L_3L_3R_3R_3S^2 + 4C_2C_3L_3L_3L_3R_3R_3S^2 + 4C_2C_3L_3L_3L_3R_3R_3S^2 + 4C_2C_3L_3L_3L_3R_3R_3R_3S^$

10.645 INVALID-ORDER-645
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3L_2L_3L_5R_2s^6 + 4C_2C_3L_2L_3L_5R_3s^6 + C_2C_3L_2L_3L_5R_2s^6 + C_2C_3L_2L_3L_3L_5R_2s^6 + C_2C_3L_2L_3L_3L_3R_2s^6 + C_2C_3L_3L_3L_3R_2s^6 + C_2C_3L$

10.646 INVALID-ORDER-646
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3R_2R_3s^6 + C_2C_3C_5L_2L_3R_3s^6 + C_2$

10.647 INVALID-ORDER-647
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ R_5, \ \infty\right)$$

10.648 INVALID-ORDER-648
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(-C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_3 s^4 + C_2 C_3 L_2 L_3 R_2 s^5 + 4 C_2 C_3 C_5 L_2 L_3 R_3 s^5 + C_2 C_3 L_2 L_3 R_3 s^4 + C_2 C_3 L_2 L_3 R_3 s^4 + C_2 C_3 L_2 L_3 R_3 s^3 + C_2 C_5 L_2 R_2 R_3 g_m s^3 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 R_2 R_2 g$

10.649 INVALID-ORDER-649
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_2R_5s^5 + 4C_2C_3C_5L_2L_3R_3R_5s^5 + C_2C_3C_5L_2R_2R_3R_5s^4 + 2C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_3s^4 + C_2C_3L_2L_3R_3s^4 + C_2C_3L_3L_3L_3R_3s^4 + C_2C_3L_3L_3L_3L_3L_3L_3L_3L_3L_3L_$

10.650 INVALID-ORDER-650
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_3R_2R_3g_ms^5 + C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_3s^5 + C_2C_3C_5L_2R_3R_5g_ms^4 + C_2C_3C_5L_2R_3R_5s^4 + C_2C_3C_5L_2R_3R_5s^4 + C_2C_3L_2L_3R_2g_ms^4 + C_$

10.651 INVALID-ORDER-651
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_3R_3s^5 + C_2C_$

10.652 INVALID-ORDER-652
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3L_2L_3L_5R_2g_ms^5 + C_2C_3L_2L_3L_5R_2g_ms^5 + C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^2$

```
10.653 INVALID-ORDER-653 Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)
```

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_3s^5 + C_2C_3C_5L_2L_3R_3s^5 + C_2C$

10.654 INVALID-ORDER-654
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$$

 $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_5s^6 + 4C_2C_3C_5L_2L_3L_5R_3R_5s^6 + C_2C_3C_5L_2L_3L_5R_3R_5s^5 + 2C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_2S_5s^5 + 4C_2C_3L_2L_3L_5R_3s^5 + 4C_2C_3L_2L_3L_3L_3R_3s^5 + 4C_2C_3L_2L_3L_3L_3R_3s^5 + 4C_2C_3L_2L_3L_3L_3R_3s^5 + 4C_2C_3L_2L_3L_3L_3R_3s^5 + 4C_2C_3L_2L_3L_3L_3R_3s^5 + 4C_2C_3L_3L_3L_3R_3s^5 + 4C_2C$

10.655 INVALID-ORDER-655
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$$

 $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_3L_3L_5R_3s^6 + C_2C_3C_5L_3L_5R_3s^6 + C_2C_3C_5L_3L_3L_5R_3s^6 + C_2C_3C_5L_3L_3L_5R_3s^6 + C_2$

10.656 INVALID-ORDER-656
$$Z(s) = \left(\infty, \ \frac{L_2s}{C_2L_2s^2+1} + R_2, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

 $\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3R_2R_3g_ms^5 + C_2C_3C_5L_2L_3R_2R_3s^5 + 4C_2C_3C_5L_2L_3R_3R_5s^5 + 4C_2C_3C_5L_3L_3R_5s^5 + 4C_2C_3C_5L_3L_3R_5s^5 + 4C_2C_3C_5L_3L_3R_5s^5 + 4C_2C_3C_5L_3L_3R_5s^5 + 4C_2C_3C_5L_3L_3R_5s^5 + 4C$

10.657 INVALID-ORDER-657
$$Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, \frac{1}{C_5s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_2 R_2 s - C_5 R_2 s + R_2 g_m + 1 \right)}{2C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2 s^3 + 4C_2 C_5 L_2 R_3 s^3 + 4C_2 C_5 R_2 R_3 s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_2 R_2 s + 2C_5 R_2 R_3 g_m s + C_5 R_2 s + 4C_5 R_3 s + R_2 g_m + 1}$$

10.658 INVALID-ORDER-658
$$Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ R_3, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)$$

$$R_3 \left(-C_2 C_5 L_2 R_2 R_5 s^3 + C_2 L_2 R_2 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 R_2 R_5 s - C_5 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5 g_m - R_$$

 $H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_2 R_5 s^3 + C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 L_2 R_5 s^2 + C_2 R_2 R_5 s - C_5 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5\right)}{2 C_2 C_5 L_2 R_2 R_3 R_5 g_m s^3 + C_2 C_5 L_2 R_3 R_5 s^3 + 4 C_2 C_5 L_2 R_3 R_5 s^3 + 4 C_2 C_5 R_2 R_3 R_5 s^2 + 2 C_2 L_2 R_2 R_3 g_m s^2 + C_2 L_2 R_2 s^2 + 4 C_2 L_2 R_3 s^2 + C_2 L_2 R_3 s$

10.659 INVALID-ORDER-659
$$Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, R_5 + \frac{1}{C_5s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 R_2 R_5 g_m s^3 - C_2 C_5 L_2 R_2 s^3 + C_2 C_5 L_2 R_5 s^3 + C_2 C_5 R_2 R_5 s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_2 R_2 s + C_5 R_2 R_5 g_m s - C_5 R_2 s + C_5 R_5 s + R_2 g_m + 1 \right)}{2 C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2 s^3 + 4 C_2 C_5 L_2 R_3 s^3 + C_2 C_5 L_2 R_3 s^3 + C_2 C_5 R_2 R_5 s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 R_2 g_m s^3 + C_5 R_2 R_5 g_m s +$$

10.660 INVALID-ORDER-660
$$Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, L_5s+\frac{1}{C_5s}, \infty\right)$$

$$H(s) = \frac{R_3 \left(C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 L_5 s^4 - C_2 C_5 L_2 R_2 s^3 + C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 - C_5 R_2 s + R_2 g_m + 1 \right)}{C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 R_2 g_m s^3 + C_2 C_5 L_2 R_2 s^3 + 4 C_2 C_5 L_2 R_2 g_m s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_2 R_2 s + C_5 L_5 R_2 g_m s^2 + C_5 L_5 s^2 + 2 C_5 R_2 R_3 g_m s + C_5 R_2 s + 4 C_5 R_3 s + R_2 g_m + 1}$$

10.661 INVALID-ORDER-661
$$Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)$$

$$H(s) = \frac{R_3 \left(-C_2 C_5 L_2 L_5 R_2 s^4 + C_2 L_2 L_5 R_2 g_m s^3 + C_2 L_2 L_5 s^3 - C_2 L_2 R_2 s^2 + C_5 L_5 R_2 s^2 + L_5 R_2 g_m s + L_5 s - R_2 \right)}{2 C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 L_5 R_3 s^4 + 4 C_2 C_5 L_5 R_2 s^3 + C_2 L_2 L_5 R_3 s^3 + C_2 L_2 L_5 s^3 + 2 C_2 L_2 R_3 g_m s^2 + C_2 L_2 R_3 s^2 + C_2 L_5 R_2 s^2 + 4 C_2 L_2 R_3 s^2 + C_5 L_5 R_2 s^2 + 4 C_5 L_5$$

```
10.662 INVALID-ORDER-662 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, L_5s+R_5+\frac{1}{C_5s}, \infty\right)
H(s) = \frac{R_3 \left( C_2 C_5 L_2 L_5 R_2 g_m s^4 + C_2 C_5 L_2 L_5 s^4 + C_2 C_5 L_2 R_2 g_m s^3 - C_2 C_5 L_2 R_2 s^3 + C_2 C_5 L_2 R_
10.663 INVALID-ORDER-663 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
H(s) = \frac{R_3 \left( -C_2 C_5 L_2 L_5 R_2 R_5 s^4 + C_2 L_2 L_5 R_2 s^3 + C_2 L_2 R_5 s^2 + C_2 L_5 R_2 R_3 R_5 s^3 + C_2 L_2 R_2 R_5 s^3 +
10.664 INVALID-ORDER-664 Z(s) = \left(\infty, \ \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \ R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
10.665 INVALID-ORDER-665 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3, \infty, \frac{R_5(C_5L_5s^2+1)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R_3 \left( C_2 C_5 L_2 L_5 R_2 R_5 g_m s^4 - C_2 C_5 L_2 L_5 R_2 s^4 + C_2 C_5 L_2 L_5 R_5 s^4 - C_2 C_5 L_2 R_2 R_5 s^3 + C_2 C_5 L_5 R_2 R_5 s^3 + C_2 L_2 R_2 R_5 g_m s^2 - C_2 L_2 R_2 s^2 \right) + C_2 C_5 L_2 L_5 R_2 R_5 g_m s^4 - C_2 C_5 L_2 L_5 R_2 s^4 + C_2 C_5 L_2 L_5 R_5 s^4 - C_2 C_5 L_2 R_2 R_5 s^3 + C_2 C_5 L_5 R_2 R_5 s^3 + C_2 L_2 R_5 g_m s^2 - C_2 L_2 R_5 g_m s^2 
H(s) = \frac{R_3 \left( C_2 C_5 L_2 L_5 R_2 S_5 g_m s^4 - C_2 C_5 L_2 L_5 R_2 S^5 + C_2 C_5 L_2 R_2 S_5 s^5 + C_2 C_5 L_2 R_2 S_5 s^5 + C_2 C_5 L_2 R_2 S_5 s^5 + C_2 L_2 R_2 R_3 S_5 s^5 + C_2 L_2 R_2 S_5 s^5 + C_2 L_2 R_2 R_3 
10.666 INVALID-ORDER-666 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{1}{C_3s}, \infty, R_5, \infty\right)
                                                                                                                                                                                                                                                                            H(s) = \frac{C_2L_2R_2R_5g_ms^2 - C_2L_2R_2s^2 + C_2L_2R_5s^2 + C_2R_2R_5s + R_2R_5g_m - R_2 + R_5}{C_2C_3L_2R_2s^3 + C_2C_3L_2R_5s^3 + C_2C_3L_2R_5s^3 + C_2C_3R_2R_5s^2 + 2C_2L_2R_2g_ms^2 + 4C_2L_2s^2 + 4C_2R_2s + C_3R_2R_5g_ms + C_3R_2s + C_3R_2s
10.667 INVALID-ORDER-667 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{1}{C_3s}, \infty, \frac{1}{C_5s}, \infty\right)
                                                                                                                                                                                                                                                             H(s) = \frac{-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2s - C_5R_2s + R_2g_m + 1}{s\left(C_2C_3C_5L_2R_2s^3 + C_2C_3L_2R_2g_ms^2 + C_2C_3R_2s + 2C_2C_5L_2R_2g_ms^2 + 4C_2C_5L_2s^2 + 4C_2C_5R_2s + C_3C_5R_2s + C_3R_2g_m + C_3 + 2C_5R_2g_m + 4C_5\right)}
10.668 INVALID-ORDER-668 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{1}{C_3s}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)
H(s) = \frac{-C_2C_5L_2R_2R_5s^3 + C_2L_2R_2s^2 + C_2L_2R_5s^2 + C_2L_2R_5s^2 + C_2L_2R_5s^2 + C_2R_2s^2 + C_2L_2R_5s^2 + C_2R_2s^2 + C_2R_2
10.669 INVALID-ORDER-669 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{1}{C_3s}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
      H(s) = \frac{C_2C_5L_2R_2S_gms^3 - C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5R_2S_s^2 + C_2L_2R_2gms^2 + C_2L_2s^2 + C_2R_2s + C_5R_2s + C
10.670 INVALID-ORDER-670 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{1}{C_3s}, \ \infty, \ L_5s+\frac{1}{C_5s}, \ \infty\right)
                                                 \frac{C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 - C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1}{s\left(C_2C_3C_5L_2L_5s^4 + C_2C_3C_5L_2R_2s^3 + C_2C_3L_2R_2g_ms^2 + C_2C_3L_2s^2 + C_2C_3L_2s^2 + C_2C_5L_2R_2g_ms^2 + C_2C_5L_2s^2 + 4C_2C_5L_2s^2 + 4C_2C_5L_2s^2 + 4C_2C_5L_2s^2 + C_3C_5L_5s^2 + C_3C_5L_2s^2 +
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H(s) = \frac{-C_2C_5L_2L_5R_2s^4 + C_2L_2L_5R_2g_ms^3 + C_2L_2L_5s^3 - C_2L_2R_2s^2 + C_2L_5R_2s^2 + C_5L_5R_2s^2 + L_5R_2g_ms + L_5s - R_2}{C_2C_3C_5L_2L_5R_2s^5 + C_2C_3L_2L_5s^4 + C_2C_3L_2R_2s^3 + C_2C_5L_2L_5R_2g_ms^4 + 4C_2C_5L_2L_5s^4 + 4C_2C_5L_2R_2s^3 + 2C_2L_2R_2g_ms^2 + 4C_2L_2s^2 + 4C_2R_2s + C_3C_5L_2R_2s^3 + C_3L_5R_2g_ms^2 + C_3L_5s^2 + C_3R_2s^2 + C_
10.672 INVALID-ORDER-672 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{1}{C_3s}, \ \infty, \ L_5s+R_5+\frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s
10.673 INVALID-ORDER-673 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{1}{C_3s}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -C_2C_5L_2L_5R_2R_5s^4 + C_2L_2L_5R_2R_5g_ms^3 - C_2L_2L_5R_2s^3 + C_2L_2L_5R_5s^3 - C_2L_2R_2R_5s^2 + C_2L_5R_2R_5s^2 - C_5L_5R_2R_5s^2 + L_5R_2R_5s^2 + L_5R_5R_5s^2 + 
10.674 INVALID-ORDER-674 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
                                                            \frac{C_{2}C_{5}L_{2}L_{5}R_{2}g_{m}s^{4} - C_{2}C_{5}L_{2}L_{5}R_{2}s^{4} + C_{2}C_{5}L_{2}L_{5}R_{2}s^{4} + C_{2}C_{5}L_{2}L_{5}R_{3}s^{4} + C_{2}L_{2}L_{5}s^{3} + C_{2}L_{2}L_{5}s^{3} + C_{2}L_{2}R_{5}g_{m}s^{2} - C_{2}L_{2}R_{2}s^{2} + C_{2}L_{5}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{2} + C_{2}L_{5}R_{5}s^{4} + C_{2}C_{3}L_{2}L_{5}R_{2}s^{3} + C_{2}L_{2}L_{5}R_{2}s^{3} 
10.675 INVALID-ORDER-675 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{1}{C_3s}, \infty, \frac{R_5(C_5L_5s^2+1)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_2C_5L_2L_5R_2R_5g_ms^4 - C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_5s^4 - C_2C_5L_2R_2R_5s^3 + C_2C_5L_5R_2R_5s^3 + C_2L_2R_2R_5g_ms^2 - C
H(s) = \frac{C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^3 + C_2C_5L_2R_2s^3 + C_2L_2R_2s^3 + C_2L_2R_2s^3 + C_2L_2R_2s^3 + C_2C_5L_2L_5R_2s^3 + C_2C_5L_2L_5R_2s^3 + C_2C_3L_2R_2s^3 + C_2C_3L_2R
10.676 INVALID-ORDER-676 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, R_5, \infty\right)
H(s) = \frac{R_3 \left( C_2 L_2 R_2 S_2 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 R_2 R_5 s + R_2 R_5 g_m - R_2 + R_5 \right)}{C_2 C_3 L_2 R_3 R_5 g_m s^3 + C_2 C_3 L_2 R_3 R_5 s^3 + C_2 C_3 L_2 R_3 R_5 s^2 + 2C_2 L_2 R_2 R_3 g_m s^2 + C_2 L_2 R_2 S_2 s^2 + 4C_2 L_2 R_3 s^2 + C_2 L_2 
10.677 INVALID-ORDER-677 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{R_3 \left( -C_2 C_5 L_2 R_2 s^3 + C_2 L_2 g_m s^2 + C_2 L_2 s^2 + C_2 R_2 s - C_5 R_2 s + R_2 g_m + 1 \right)}{C_2 C_3 C_5 L_2 R_2 R_3 s^4 + C_2 C_3 L_2 R_3 g_m s^3 + C_2 C_3 L_2 R_3 s^3 + 2C_2 C_5 L_2 R_2 g_m s^3 + 4C_2 C_5 L_2 R_3 s^3 + 4C_2 C_5 L_
10.678 INVALID-ORDER-678 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R_3 \left( -C_2 C_5 L_2 R_2 R_5 s^3 + C_2 L_2 R_2 R_5 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 R_2 R_5 s - C_5 R_2 R_5 s + R_2 R_5 g_m s^2 \right) + C_2 R_2 R_5 s^2 + C_2 R_2 R_5 s^2 + C_2 R_5 r^2 + C_2 R_5 r^2 + C_2 R_5 r^2 + C_3 R_5 r^2 + C_5 R_5 r^2
H(s) = \frac{R_3 \left(-C_2 C_5 L_2 R_2 R_5 s^3 + C_2 L_2 R_2 R_5 g_m s^2 - C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 R_2 R_5 s - C_5 R_2 R_5 s + R_2 R_3 R_5 g_m s^2 - C_2 L_2 R_2 R_3 R_5 s^3 + C_2 C_3 L_2 R_3 R_
10.679 INVALID-ORDER-679 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   R_3 \left( C_2 C_5 L_2 R_2 R_5 g_m s^3 - C_2 C_5 L_2 R_2 s^3 + C_2 C_5 L_2 R_5 s^3 + C_2 C_5 R_2 R_5 s^2 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 s^2 + C_2 R_2 s + C_2 R_2 s^2 + C_2
                                                          \frac{R_3 \left( \text{C}_2 \text{C}_3 \text{L}_2 \text{R}_2 \text{R}_3 \text{g}_m \text{s}^4 + \text{C}_2 \text{C}_3 \text{L}_2 \text{R}_2 \text{s}^4 + \text{C}_2 \text{C}_3 \text{L}_2 \text{R}_3 \text{s}^3 + \text{C}_2 \text{C}_3 \text{L}_2 \text{
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10.671 INVALID-ORDER-671 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{1}{C_3s}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)$

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10.680 INVALID-ORDER-680 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, L_5s + \frac{1}{C_5s}, \infty\right)
10.681 INVALID-ORDER-681 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)
H(s) = \frac{R_3 \left( -C_2 C_5 L_2 L_5 R_2 s^4 + C_2 L_2 L_5 R_2 g_m s^3 + C_2 L_2 L_5 s^3 - C_2 L_2 R_2 s^2 + C_2 L_5 R_2 s^2 - C_5 L_5 R_2 s^2 + L_5 R_2 R_3 r_3 + C_2 R_2 R_3 r
10.682 INVALID-ORDER-682 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, L_5s+R_5+\frac{1}{C_5s}, \infty\right)
10.683 INVALID-ORDER-683 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
H(s) = \frac{1}{C_2C_3C_5L_2L_5R_2R_3R_5s^5 + C_2C_3L_2L_5R_2R_3R_5g_ms^4 + C_2C_3L_2L_5R_2R_3s^4 + C_2C_3L_2L_5R_3R_5s^4 + C_2C_3L_2L_5R_3R_5s^3 + 2C_2C_5L_2L_5R_2R_3R_5s^3 + 2C_2C_5L_2L_5R_2R_3R_5s^4 + 4C_2C_5L_2L_5R_3R_5s^4 + 4C_2C_5L_5R_2R_3R_5s^3 + 2C_2L_5R_3R_5s^3 + 2C_2C_5L_2L_5R_3R_5s^4 + 4C_2C_5L_5R_3R_5s^4 + 4C_2C_5L_5R_5R_5s^4 + 4C_2C_5L_5R_
10.684 INVALID-ORDER-684 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{L_5s}{C_5L_5s^2+1} + R_5, \infty\right)
                                  \frac{1}{C_{2}C_{3}C_{5}L_{2}L_{5}R_{2}R_{3}R_{5}g_{m}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}R_{2}R_{3}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4}+C_{2}C_{3}L_{2}L_{5}R_{3}R_{5}s^{4
10.685 INVALID-ORDER-685 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \infty, \frac{R_5(C_5L_5s^2+1)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)
H(s) = \frac{1}{C_2C_3C_5L_2L_5R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_5R_2R_3s^5 + C_2C_3C_5L_2L_5R_3R_5s^5 + C_2C_3C_5L_2R_2R_3R_5s^4 + C_2C_3L_2R_2R_3R_5s^4 + C_2C_3L_2R_2R_3R_5s^4 + C_2C_3L_2R_3R_5s^3 + C_2C_3L_2R_3R_5s^3 + C_2C_3R_2R_3R_5s^3 + C
10.686 INVALID-ORDER-686 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, R_5, \infty\right)
                                 H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(C_{2}L_{2}R_{5}g_{m}s^{2}-C_{2}L_{2}R_{5}s^{2}+C_{2}L_{2}R_{5}s^{2}+C_{2}L_{2}R_{5}s-R_{2}R_{5}g_{m}-R_{2}+R_{5}\right)}{2C_{2}C_{3}L_{2}R_{2}g_{m}s^{3}+C_{2}C_{3}L_{2}R_{2}s^{3}+4C_{2}C_{3}L_{2}R_{3}s^{3}+C_{2}C_{3}L_{2}R_{5}s^{3}+4C_{2}C_{3}L_{2}R_{5}s^{3}+4C_{2}C_{3}R_{2}R_{5}s^{2}+2C_{2}L_{2}R_{2}g_{m}s^{2}+4C_{2}L_{2}s^{2}+4C_{2}R_{2}s+2C_{3}R_{2}R_{3}g_{m}s+C_{3}R_{2}s+4C_{3}R_{3}s+C_{3}R_{5}s+2R_{2}g_{m}+4C_{2}R_{2}s^{2}+C_{2}R_{2}R_{3}g_{m}s^{2}+C_{2}R_{2}R_{3}g_{m}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}R_{2}s+C_{3}
10.687 INVALID-ORDER-687 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{\left(C_{3}R_{3}s+1\right)\left(-C_{2}C_{5}L_{2}R_{2}s^{3}+C_{2}L_{2}R_{2}g_{m}s^{2}+C_{2}L_{2}s^{2}+C_{2}R_{2}s-C_{5}R_{2}s+R_{2}g_{m}+1\right)}{s\left(2C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+4C_{2}C_{3}C_{5}L_{2}R_{3}s^{3}+4C_{2}C_{3}C_{5}R_{2}R_{3}s^{2}+C_{2}C_{3}L_{2}s^{2}+C_{2}C_{3}L_{2}s^{2}+C_{2}C_{5}L_{2}R_{2}g_{m}s^{2}+4C_{2}C_{5}L_{2}s^{2}+4C_{2}C_{5}L_{2}s^{2}+4C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{2}s+4C_{3}C_{5}R_{3}s+C_{3}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5}R_{2}g_{m}+C_{3}+2C_{5
10.688 INVALID-ORDER-688 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)
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 $H(s) = \frac{(C_3R_3S + 1)\left(-C_2C_5L_2R_2R_5S^3 + C_2L_2R_2R_5g_mS^3 - C_2L_2R_2S + C$

 $(C_3R_3s+1)(-C_2C_5L_2R_2R_5s^3+C_2L_2R_2R_5g_ms^2-C_2L_2R_2s^2+C_2L_2R_5s^2+C_2R_5s^2+C_2R_5s$

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10.689 INVALID-ORDER-689 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2R_2S_gms^3 - C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2L_2S^2 + C_2L_2s^2 + C_2R_2s + C_5R_2S_gms - C_5R_2s + C_5R_2s 
10.690 INVALID-ORDER-690 Z(s) = \left(\infty, \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, L_5s + \frac{1}{C_5s}, \infty\right)
H(s) = \frac{\left(C_3R_3s + 1\right)\left(C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 - C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{s\left(C_2C_3C_5L_2L_5R_2g_ms^4 + C_2C_3C_5L_2R_2g_ms^4 + C_2C_3C_5L_2R_2s^3 + 4C_2C_3C_5L_2R_2s^3 + 4C_2C_3
10.691 INVALID-ORDER-691 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (C_3R_3s+1)(-C_2C_5L_2L_5R_2s^4+C_2L_2L_5R_2g_ms^3+C_2L_2L_5s^3-C_2L_2R_2s^2+C_2L_5R_2s^3)
H(s) = \frac{(C_3R_3s + 1)(-C_2C_5L_2L_5R_2s + C_2L_2L_5R_2s + C_2L_2L_5s + C_2L_2L_5s + C_2L_2L_5s + C_2L_2L_5s + C_2L_2L_5s + C_2L_2L_5s + C_2L_2L_2s + C_2L_2L_2
10.692 INVALID-ORDER-692 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ \infty, \ L_5s + R_5 + \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5R_2s^3 + C_2
10.693 INVALID-ORDER-693 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
                                                       -\frac{1}{2C_2C_3C_5L_2L_5R_2R_3R_5q_ms^5 + C_2C_3C_5L_2L_5R_2R_5s^5 + 4C_2C_3C_5L_2L_5R_3R_5s^5 + 4C_2C_3C_5L_2L_5R_3R_5s^4 + 2C_2C_3L_2L_5R_2R_3q_ms^4 + C_2C_3L_2L_5R_2s^4 + 4C_2C_3L_2L_5R_3s^4 + C_2C_3L_2L_5R_3s^4 + C_
10.694 INVALID-ORDER-694 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (C_3R_3s+1)(C_2C_5L_2L_5R_2R_5g_ms^4-C_2C_5L_2L_5R_2s^4+C_2C_5L_2L_5R_5s^4)
H(s) = \frac{(C_3R_3s+1)\left(C_2C_5L_2L_5R_2R_5g_ms^5 - C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5
10.695 INVALID-ORDER-695 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \infty, \frac{R_5(C_5L_5s^2+1)}{C_5L_5s^2+C_5R_5s+1}, \infty\right)
                                              \overline{2C_2C_3C_5L_2L_5R_2R_3g_ms^5 + C_2C_3C_5L_2L_5R_2g_ms^5 + C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_3s^5 + C_2C_3C_5L_2L_5R_3s^5 + 2C_2C_3C_5L_2R_3R_5g_ms^4 + C_2C_3C_5L_2R_3R_5s^4 + 4C_2C_3C_5L_2R_3R_5s^4 + 4C_2C_3C_
10.696 INVALID-ORDER-696 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, R_5, \infty\right)
                                       H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2L_2R_2S_g_ms^2 - C_2L_2R_2s^2 + C_2L_2R_5s^2 + C_2R_2S_s + R_2R_5g_m - R_2 + R_5\right)}{2C_2C_3L_2L_3R_2g_ms^4 + 4C_2C_3L_2R_2S_g_ms^3 + C_2C_3L_2R_2S^3 + C_2C_3L_
10.697 INVALID-ORDER-697 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s+\frac{1}{C_3s}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(-C_2C_5L_2R_2s^3 + C_2L_2S_2 + C_2R_2s - C_5R_2s + R_2g_m + 1\right)}{s\left(2C_2C_3C_5L_2L_3R_2g_ms^4 + 4C_2C_3C_5L_2R_2s^3 + 4C_2C_3C_5L_2R_2g_ms^2 + C_2C_3L_2S^2 + C_2C_3R_2s + 2C_2C_5L_2R_2g_ms^2 + 4C_2C_5L_2s^2 +
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H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(-C_2C_5L_2R_2R_5s^3 + C_2L_2R_2S_5g_ms^2 - C_2L_2R_2s^2 + C_2L_2R_5s^2 + C_2L_2R_5s^2 + C_2L_2R_2s^2 + C_2L_2R_
10.699 INVALID-ORDER-699 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2R_2S_gms^3 - C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5R_2S_s^2 + C_2L_2S^2 + C_2R_2s + C_5R_2S_gms - C_5R_2s + C_5R_2S_gms - C_5R_2S_gms
10.700 INVALID-ORDER-700 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s+\frac{1}{C_3s}, \ \infty, \ L_5s+\frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 - C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2s + C_5L_5R_2g_ms^2 + C_5L_5s^2 - C_5R_2s + R_2g_m + 1\right)}{s\left(2C_2C_3C_5L_2L_3R_2g_ms^4 + 4C_2C_3C_5L_2L_3s^4 + C_2C_3C_5L_2L_5s^4 + C_2C_3C_5L_2R_2s^3 + 4C_2C_3C_5L_2R_2s^3 + C_2C_3L_2s^2 + C_2C_3L_2s^2 + C_2C_3L_2s^2 + C_2C_5L_2R_2g_ms^2 + 4C_2C_5L_2s^2 +
10.701 INVALID-ORDER-701 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \left( C_3 L_3 s^2 + 1 \right) \left( -C_2 C_5 L_2 L_5 R_2 s^4 + C_2 L_2 L_5 R_2 g_m s^3 + C_2 L_2 L_5 s^3 - C_2 L_2 R_2 s^2 + C_2 L_5 R_2 s^4 \right) 
H(s) = \frac{(C_3L_3s^2 + 1)\left(-C_2C_5L_2L_5R_2g^3 + C_2L_2L_5R_2g_ms^3 + C_2L_2L_5s^3 - C_2L_2R_2s^2 + C_2L_5R_2g_ms^3 + C_2L_2L_5s^3 - C_2L_2R_2s^2 + C_2L_5R_2g_ms^3 + C_2L_2L_5s^3 - C_2L_2R_2s^2 + C_2L_5R_2g_ms^3 + C_2L_2L_5R_2g_ms^3 + C_2L_2L_5R_2g_ms^3 + C_2L_2L_5R_2g_ms^4 + C_2C_3L_2L_3R_2g_ms^4 + C_2C_3L_2L_3R_2g
10.702 INVALID-ORDER-702 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s+\frac{1}{C_3s}, \ \infty, \ L_5s+R_5+\frac{1}{C_5s}, \ \infty\right)
                                              \frac{\left(C_{3}L_{3}s^{2}+1\right)\left(C_{2}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{5}L_{2}R_{5}g_{m}s^{3}-C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_{2}R_{5}s^{3}+C_{2}C_{5}L_
10.703 INVALID-ORDER-703 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s+\frac{1}{C_3s}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)
                                                       \frac{1}{2C_{2}C_{3}C_{5}L_{2}L_{3}L_{5}R_{2}R_{5}g_{m}s^{6} + 4C_{2}C_{3}C_{5}L_{2}L_{3}L_{5}R_{5}s^{6} + C_{2}C_{3}C_{5}L_{2}L_{5}R_{2}R_{5}s^{5} + 4C_{2}C_{3}L_{2}L_{5}R_{2}R_{5}s^{5} + 2C_{2}C_{3}L_{2}L_{3}L_{5}R_{2}g_{m}s^{5} + 4C_{2}C_{3}L_{2}L_{3}R_{5}s^{4} + C_{2}C_{3}L_{2}L_{5}R_{5}s^{4} + C_{2}C_{3}L_{5}L_{5}R_{5}s^{4} +
10.704 INVALID-ORDER-704 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + 1\right)\left(C_2C_5L_2L_5R_2g_ms^4 - C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^4 + C_2C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_3R_2g_ms^4 + C_2C_3L_2L_3R_2g_ms^4 + C_2C_3L_2L_3R_2g_ms^4 + C_2C_3L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_3R_2g_ms^4 + C_2C_3L_2L_5R_2g_ms^4 + C_2C_3L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_3C_5L_2L_3R_2g_ms^4 + C_2C_3L_2L_3R_2g_ms^4 + C_2C_3L_2L_3R_2g_ms^4 + C_2C_3L_2L_5R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5
10.705 INVALID-ORDER-705 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)
H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2g_ms^6 + 4C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + 4C_2C_3C_5L_2L_3R_2s^5 + C_2C_3C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_5R_2s^5 + C_2C_5L_2L_2
10.706 INVALID-ORDER-706 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, R_5, \infty\right)
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10.698 INVALID-ORDER-698 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, L_3s + \frac{1}{C_3s}, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$

 $H(s) = \frac{L_{3}s\left(C_{2}L_{2}R_{5}g_{m}s^{2} - C_{2}L_{2}R_{5}s^{2} + C_{2}L_{2}R_{5}s^{2} + C_{2}L_{2}R_{5}s^{2} + C_{2}L_{2}R_{5}s + R_{2}R_{5}g_{m} - R_{2} + R_{5}\right)}{C_{2}C_{3}L_{2}L_{3}R_{2}s^{4} + C_{2}C_{3}L_{2}L_{3}R_{5}s^{4} + C_{2}C_{3}L_{2}L_{3}R_{5}s^{3} + 2C_{2}L_{2}L_{3}R_{5}s^{3} + 2C_{2}L_{2}L_{3}s^{3} + C_{2}L_{2}R_{5}g_{m}s^{2} + C_{2}L_{2}R_{5}s^{2} + 4C_{2}L_{3}R_{2}s^{2} + C_{2}L_{2}R_{5}s^{2} + C_{2}L_{2}R_{5}s$

10.710 INVALID-ORDER-710 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ L_5s+\frac{1}{C_5s}, \ \infty\right)$

 $H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}R_{2}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} - C_{2}C_{5}L_{2}R_{2}s^{3} + C_{2}L_{2}R_{2}g_{m}s^{2} + C_{2}L_{2}s^{2} + C_{2}R_{2}s + C_{2}R_{2}s$

10.711 INVALID-ORDER-711 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)$

 $H(s) = \frac{L_{3}s\left(-C_{2}C_{5}L_{2}L_{5}R_{2}s^{4} + C_{2}L_{2}L_{5}R_{2}g_{m}s^{3} + C_{2}L_{2}L_{5}s^{3} - C_{2}L_{2}R_{2}s^{2} + C_{2}L_{5}R_{2}s^{2} + L_{5}R_{2}s^{2} + L_{5}R_{2}s^{2} + C_{5}L_{5}R_{2}s^{2} + C_{5}L_{5}R_{5}s^{2} + C_{5}L_{5}R_{5}$

10.712 INVALID-ORDER-712 $Z(s) = \left(\infty, \ \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ L_5s+R_5+\frac{1}{C_5s}, \ \infty\right)$

 $H(s) = \frac{L_{3}s\left(C_{2}C_{5}L_{2}L_{5}R_{2}g_{m}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{5}s^{4} + C_{2}C_{5}L_{2}L_{3}R_{5}s^{5} + C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}s^{5} + C_{2}C_{3}$

10.713 INVALID-ORDER-713 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$

 $H(s) = \frac{L_{3}s\left(-C_{2}s_{1}s_{2}s_{3}s_{4}+C_{2}s_{5}s_{5}+C_{2}s_{2}s_{5}s_{5}+C_{2}s_{2}s_{5}s_{5}+C_{2}s_{2}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{5}+C_{2}s_{2}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{3}s_{5}s_{5}+C_{2}s_{3}s_{2}s_{5}s_{4}+C_{2}s_{3}s_{3}s_{5}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{3}s_{5}+C_{2}s_{3}s_{5}+C_{2}s_{3}s_{5}s_{5}+C_{2}s_{3}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s_{5}s_{5}+C_{2}s$

10.714 INVALID-ORDER-714 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + C_2C_3C_5L_2L_3L_5R_2s^5 + C_2C_3L_2L_3L_5R_2g_ms^5 + C_2C_3L_2L_3L_5S^5 + C_2C_3L_2L_3R_2s^4 + C_2C_3L_3L_3R_2s^4 + C_2C_3L$

10.715 INVALID-ORDER-715 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$

 $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2S_9ms^6 + C_2C_3C_5L_2L_3L_5R_2S^6 + C_2C_3C_5L_2L_3L_5R_2S^6 + C_2C_3C_5L_2L_3L_5R_2S^5 + C_2C_3C_5L_2L_3R_2S^5 + C_2C_3L_2L_3R_2S^5 + C_2C_3$

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10.716 INVALID-ORDER-716 Z(s) = \left(\infty, \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, R_5, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2L_2R_2S_{gm}s^2 - C_2L_2R_2s^2 + C_2L_2R_5s^2 + C_2R_2S_{s} + R_2R_5g_m - R_2 + R_5\right)}{2C_2C_3L_2L_3R_2g_ms^4 + 4C_2C_3L_2R_2S_{gm}s^3 + C_2C_3L_2R_2S_{gm}s^3 + C_2C_3L_2R_2S_{gm}
10.717 INVALID-ORDER-717 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(-C_2C_5L_2R_2s^3 + C_2L_2s^2 + C_2R_2s - C_5R_2s + R_2g_m + 1\right)}{s\left(2C_2C_3C_5L_2L_3s_2^4 + 4C_2C_3C_5L_2R_2s^3 + 
10.718 INVALID-ORDER-718 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)
H(s) = \frac{1}{2C_2C_3C_5L_2L_3R_2R_5g_ms^5 + 4C_2C_3C_5L_2L_3R_5s^5 + 2C_2C_3C_5L_2R_2R_3R_5g_ms^4 + 4C_2C_3C_5L_2R_3R_5s^4 + 4C_2C_3C_5L_3R_5c^4 + 4C_2C_3C_5L_
10.719 INVALID-ORDER-719 Z(s) = \left(\infty, \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, R_5 + \frac{1}{C_5s}, \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2R_2S_3g_ms^3 - C_2C_5L_2R_2s^3 + C_2C_5L_2R_5s^3 + C_2C_5R_2R_5s^2 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2g_ms^2 + C_2C_3C_5L_2R_2s^3 + 4C_2C_3C_5L_2R_2s^3 + 4C_2C_3C_
10.720 INVALID-ORDER-720 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s+R_3+\frac{1}{C_3s}, \ \infty, \ L_5s+\frac{1}{C_5s}, \ \infty\right)
                                        \frac{\left(C_{3}L_{3}s^{2}+C_{3}R_{3}s+1\right)\left(C_{2}C_{5}L_{2}L_{5}s^{4}-C_{2}C_{5}L_{2}L_{5}s^{4}-C_{2}C_{5}L_{2}R_{2}s^{3}+C_{2}L_{2}R_{2}g_{m}s^{2}+C_{2}L_{2}s^{2}+C_{2}R_{2}s^{2}+C_{2}R_{2}s^{2}+C_{2}R_{2}s^{3}+C_{2}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{3}C_{5}L_{2}L_{5}s^{4}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}s^{3}+C_{2}C_{3}C_{5}L_{2}R_{2}
10.721 INVALID-ORDER-721 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)
H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2g_ms^6 + 4C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_5R_2g_ms^5 + 4C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_5R_2s^5 + 4C_2C_3C_5L_2L_3R_2g_ms^4 + 4C_2C_3L_2L_3s^4 + C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_5s^4 + 2C_2C_3L_2L_3s^4 + 2C_2C_3L_2L_3s^2 + 2C_2C_3L_3L_3s^2 + 2C_2C_3L_3L_3s^2 + 2C_
10.722 INVALID-ORDER-722 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s+R_3+\frac{1}{C_3s}, \ \infty, \ L_5s+R_5+\frac{1}{C_5s}, \ \infty\right)
H(s) = \frac{\left(C_3L_3s^2 + C_3R_3s + 1\right)\left(C_2C_5L_2L_5R_2g_ms^4 + C_2C_5L_2L_5s^4 + C_2C_5L_2R_2g_ms^3 - C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_5L_2R_2s^3 + C_2C_3C_5L_2R_2s^3 + C_2C_
10.723 INVALID-ORDER-723 Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, L_3s + R_3 + \frac{1}{C_3s}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)
                                                 10.724 INVALID-ORDER-724 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)
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- 10.725 INVALID-ORDER-725 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ L_3s + R_3 + \frac{1}{C_3s}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2g_ms^6 + 4C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + 4C_2C_3C_5L_2L_5R_2g_ms^5 + 4C_2C_3C_5L_2L_5$
- 10.726 INVALID-ORDER-726 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, R_5, \infty\right)$
- $H(s) = \frac{L_3 R_3 s \left(C_2 L_2 R_2 R_5 g_m s^2 C_2 L_2 R_2 s^2 + C_2 L_2 R_5 s^2 + C_2 R_2 R_5 s + R_2 R_5 g_m R_2 + R_5\right)}{C_2 C_3 L_2 L_3 R_2 R_3 R_5 g_m s^4 + C_2 C_3 L_2 L_3 R_2 R_3 R_5 s^4 + C_2 C_3 L_2 L_3 R_2 R_3 R_5 s^3 + C_2 L_2 L_3 R_2 R_3 g_m s^3 + C_2 L_2 L_3 R_2 R_3 s^3 + C_2 L_2 L_3 R_2 s^3 + C_2 L_2 R_3 R_5 g_m s^2 + C_2 L_2 R_3 R_5 s^2 + C_2 L_2 R_5 R_5 s^2 + C_2 L_2 R_5 R_5 s^2 + C_2 L_2 R_5 R_5 r_5 + C_2 L_2 R_5 R_5 r_5 + C_2 L_2 R_5 R_5 r_5 + C_2 L_2 R_5 R_$
- 10.727 INVALID-ORDER-727 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, \frac{1}{C_5s}, \infty\right)$
- $H(s) = \frac{L_3R_3s\left(-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2s C_5R_2s + R_2g_m + 1\right)}{C_2C_3C_5L_2L_3R_2R_3s^5 + C_2C_3L_2L_3R_2s^4 + C_2C_5L_2L_3R_2s^4 + C_2C_5L_2L_3R_2s^4 + C_2C_5L_2R_2s^3 + C_2L_2L_3R_2s^3 + C_2L_2L_3s^3 + C_2L_2L_3s^3 + C_2L_2L_3s^3 + C_2L_2R_3s^3 + C_2L_2L_3s^3 + C_2L_2R_3s^3 + C_$
- 10.728 INVALID-ORDER-728 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3R_2R_3R_5s^5 + C_2C_3L_2L_3R_2R_3R_5s^4 + C_2C_3L_2L_3R_2R_3R_5s^4 + C_2C_3L_2L_3R_2R_3R_5s^3 + 2C_2C_5L_2L_3R_2R_3R_5s^4 + C_2C_5L_2L_3R_2R_3R_5s^4 + C_2C_5L_2L_3R_3R_5s^4 + C_2C_5L_3R_3R_5$
- 10.729 INVALID-ORDER-729 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$
- $\overline{C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}R_{3}R_{5}g_{m}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}R_{3}s^{5}+C_{2}C_{3}C_{5}L_{2}L_{3}R_{2}R_{3}s^{4}+C_{2}C_{3}L_{2}L_{3}R_{2}R_{3}g_{m}s^{4}+C_{2}C_{3}L_{2}L_{3}R_{2}R_{3}g_{m}s^{4}+C_{2}C_{5}L_{2}L_{3}R_{$
- 10.730 INVALID-ORDER-730 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ L_5s+\frac{1}{C_5s}, \ \infty\right)$
- 10.731 INVALID-ORDER-731 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3s^6 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_3s^4 + C_2C_3L_2L_3L_5R_2s^4 + C_2C_5L_2L_3L_5R_2s^5 + C_2C_5L_3L_5R_2s^5 + C_2C_5L_3L_5R_2s^5$
- 10.732 INVALID-ORDER-732 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \infty, L_5s+R_5+\frac{1}{C_5s}, \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_2R_3s^5 + C_2C_3C_5L_2L_3R_2R_3s^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3C_5L_3L_5R_3s^5 + C_2C$
- 10.733 INVALID-ORDER-733 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \ \infty\right)$
- $H(s) = \frac{-}{C_2C_3C_5L_2L_3L_5R_2R_3R_5s^6 + C_2C_3L_2L_3L_5R_2R_3R_5g_ms^5 + C_2C_3L_2L_3L_5R_2R_3s^5 + C_2C_3L_2L_3L_5R_3R_5s^4 + C_2C_3L_2L_3L_5R_2R_3R_5s^4 + C_2C_3L_2L_3L_5R_2R_3R_5s^4 + C_2C_5L_2L_3L_5R_2R_3R_5s^4 + C_2C_5L_2L_3L_5R_3R_5s^4 + C_2C_5L_3L_5R_3R_5s^4 + C_2C_5L_3L_5R_5R_5s^4 + C_2C_5L_5L_5R_5R_5s^4 + C_2C$

- 10.734 INVALID-ORDER-734 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}+R_5, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_3s^6 + C_2C_3C_5L_2L_3L_5R_3R_5s^6 + C_2C_3L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_3R_5s^6 + C_2C_3L_3L_5R_3R_5s^6 + C_2C_3L_3L_5R_5s^6 + C_2C_3L_3L_5R_5s^6 + C_2C_3L_3L_5R_5s^6 + C_2C_3L_3L_5R_5s^6 + C_2C_3L_3L_5R_5s^6 + C_2C_3L_5L_5R_5s^6 + C_2C_3L_5L_5R_5s$
- 10.735 INVALID-ORDER-735 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_3s^6 + C_2C_3C_5L_2L_3L_5R_3R_5s^6 + C_2C_3C_5L_2L_3R_2R_3R_5s^5 + C_2C_3L_2L_3R_2R_3R_5s^5 + C_2C_3L_2L_3R_2R_3R_5s^5 + C_2C_3L_2L_3R_2R_3R_5s^6 + C_2C_3L_2L_3R_2R_3R_5s^6 + C_2C_3L_2L_3R_2R_3R_5s^5 + C_2C_3L_3L_3R_3R_5s^5 + C_2C_3L$
- 10.736 INVALID-ORDER-736 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, R_5, \infty\right)$
- $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(C_2L_2R_2S_{gm}s^2 C_2L_2R_2s^2 + C_2L_2R_5s^2 + C_2L_2R_5s^2 + C_2L_2R_5s + R_2R_5g_m C_2L_2R_2R_3g_ms^4 + C_2C_3L_2L_3R_2S_{gm}s^4 + C_2C_3L_2R_2S_{gm}s^4 + C_2C_3L_2R_2S_{gm}s^2 + C_2C_3L_2R_2S_{gm}s^2 + C_2C_3L_2R_2S_{gm}s^2 + C_2C_3L_2R_2S_{gm}s^2 + C_2C_3L_2R_2S_$
- 10.737 INVALID-ORDER-737 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{1}{C_5s}, \infty\right)$
- $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_3\right)\left(-C_2C_5L_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2s^3 + C_2L_2R_2g_ms^2 + C_2L_2s^2 + C_2R_2s^2 + C_2R_$
- 10.738 INVALID-ORDER-738 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{R_5}{C_5R_5s+1}, \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_2R_5s^5 + 4C_2C_3C_5L_2L_3R_2R_5s^4 + 4C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_3L_3R_2s^4 + 4C$
- 10.739 INVALID-ORDER-739 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{\left(C_3L_3R_3s^2 + L_3s + R_5R_3s^2 + C_2C_3C_5L_2L_3R_2s^5 + C_2C_3C$
- 10.740 INVALID-ORDER-740 $Z(s) = \left(\infty, \ \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ L_5s + \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{(C_3L_3R_3s^4 + L_3s + L_3$
- 10.741 INVALID-ORDER-741 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + 4C_2C_3C_5L_3L_5R_2s^5 + C_2C_3L_2L_3L_5s^5 + 2C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_3L_5R_2s^4 + 4C_2C_3L_5L_5R_2s^4 + 4C_2C_3L_5L_5R_2s^4 + 4C_2C_3L_5L_5R_2s^4 + 4C_2C$
- 10.742 INVALID-ORDER-742 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, L_5s + R_5 + \frac{1}{C_5s}, \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_3R_2s^5 + 4C_2C_3C_5L_3$

- 10.743 INVALID-ORDER-743 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{L_3s}{C_3L_3s^2+1} + R_3, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)$
- $H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_5s^6 + 4C_2C_3C_5L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_2g_ms^5 + C_2C_3L_2L_3L_5R_2s^5 + 4C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_2s^5 + 4C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_2s^5 + 4C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_2L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5 + C_2C_3L_3L_5R_3s^5$
- 10.744 INVALID-ORDER-744 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1} + R_5, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_3L_5R_2s^6 + 4C_2C_3C_5L_3L_5R_3s^6 + 4C_2C_3C$
- 10.745 INVALID-ORDER-745 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{L_3s}{C_3L_3s^2+1} + R_3, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + 2C_2C_3C_5L_2L_3R_2R_3s^5 + 4C_2C_3C_5L_2L_3R_3R_5s^5 + 4C_2C_3C_5L_3L_5R_2s^5 + 4C_2C_3C_5L_3L_5R_3s^5 + 4$
- 10.746 INVALID-ORDER-746 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, R_5, \infty\right)$
- 10.747 INVALID-ORDER-747 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{1}{C_5s}, \infty\right)$
- $H(s) = \frac{R_3 \left(C_3 L_3 s^2 + 1 \right) \left(-C_2 C_5 L_2 R_2 s^3 + C_2 L_2 R_2 g_m s^2 + C_2 L_2 R_2 g_m s^3 + C_2 C_3 L_2 R_2 R_3 g_m s^3 + C_2 C_3 L_2 R_2 g_m s^3 + C_2 C$
- 10.748 INVALID-ORDER-748 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{R_5}{C_5R_5s+1}, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3R_2R_3R_5g_ms^5 + C_2C_3C_5L_2L_3R_2R_5s^5 + 4C_2C_3C_5L_2L_3R_3R_5s^5 + C_2C_3C_5L_2R_2R_3R_5s^4 + 4C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4$
- 10.749 INVALID-ORDER-749 $Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ R_5 + \frac{1}{C_5s}, \ \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3R_2R_3g_ms^5 + C_2C_3C_5L_2L_3R_2S_5g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_3s^5 + C_2C_3C_5L_2L_3R_3s^5 + C_2C_3C_5L_2R_3R_5g_ms^4 + C_2C_3C_5L_2R_3R_5s^4 + 4C_2C_3C_5L_2R_3R_5s^4 + 4C_2C_3C_5L_2R_3R_5s^4$
- 10.750 INVALID-ORDER-750 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, L_5s + \frac{1}{C_5s}, \infty\right)$
- $H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_2s^5 + 4$
- 10.751 INVALID-ORDER-751 $Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{L_5s}{C_5L_5s^2+1}, \infty\right)$
- $H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_5R_2R_3s^5 + 4C_2C_3C_5L_3L_5R_2R_3s^5 + C_2C_3L_2L_3L_5R_2g_ms^5 + C_2C_3L_2L_3R_2R_3g_ms^4 + C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_3s^4 + C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2L_3R_2s^4 + 4C_2C_3L_2$

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10.752 INVALID-ORDER-752 Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ L_5s+R_5+\frac{1}{C_5s}, \ \infty\right)
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$$H(s) = \frac{1}{C_2C_3C_5L_2L_3L_5R_2g_ms^6 + C_2C_3C_5L_2L_3L_5s^6 + 2C_2C_3C_5L_2L_3R_2g_ms^5 + C_2C_3C_5L_2L_3R_2s^5 + 4C_2C_3C_5L_2L_3R_2s^5 + 4$$

10.753 INVALID-ORDER-753
$$Z(s) = \left(\infty, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \infty, \frac{L_5R_5s}{C_5L_5R_5s^2+L_5s+R_5}, \infty\right)$$

$$H(s) = -\frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3R_5g_ms^6 + C_2C_3C_5L_2L_3L_5R_2R_5s^6 + 4C_2C_3C_5L_2L_3L_5R_3R_5s^5 + 4C_2C_3C_5L_2L_3L_5R_2R_3g_ms^5 + C_2C_3L_2L_3L_5R_2g_ms^5 + C_2C_3L_2$$

10.754 INVALID-ORDER-754
$$Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{L_5s}{C_5L_5s^2+1}+R_5, \ \infty\right)$$

$$H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_5R_3R_5s^6 + C_2C_3C_5L_2L_5R_5R_5s^6 + C_2C_3C_5L_3L_5R_5R_5s^6 + C_2C_3C_5L_3L_5R_5R_5s^6 + C_2C_3C_5L_3L_5R_5R_5s^6 + C_2C_3C_5L_3L_5R_5R_5s^6 + C_2C_3C_5L_5R_5R_5R_5S^6 + C_2C_3C_5L_5R_5R_5R_5S^6 + C_2C_3C_5L_5R_5R_5R_5R_5R_$$

10.755 INVALID-ORDER-755
$$Z(s) = \left(\infty, \ \frac{R_2\left(C_2L_2s^2+1\right)}{C_2L_2s^2+C_2R_2s+1}, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \infty, \ \frac{R_5\left(C_5L_5s^2+1\right)}{C_5L_5s^2+C_5R_5s+1}, \ \infty\right)$$

$$H(s) = \frac{1}{2C_2C_3C_5L_2L_3L_5R_2R_3g_ms^6 + C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_2s^6 + 4C_2C_3C_5L_2L_3L_5R_3s^6 + C_2C_3C_5L_2L_3R_2R_3s^6 + C_2C_3C_5L_2L_3R_3R_3s^6 + C_2C_3C_5L_3L_3R_3s^6 + C$$

11 PolynomialError