

Filter Summary Report: TIA,simple,Z1,Z2,Z5

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Contents

1 Examined $H(z)$ for TIA simple Z1 Z2 Z5: $\frac{Z_1(Z_2Z_5g_m-Z_2+Z_5)}{2Z_1Z_2g_m+4Z_1+Z_2+Z_5}$

$$H(z)=\frac{Z_1\left(Z_2Z_5g_m-Z_2+Z_5\right)}{2Z_1Z_2g_m+4Z_1+Z_2+Z_5}$$

2 HP

3 BP

4 LP

5 BS

6 GE

7 AP

8 INVALID-NUMER

9 INVALID-WZ

10 INVALID-ORDER

10.1 INVALID-ORDER-1 $Z(s)=(R_1,\;R_2,\;\infty,\;\infty,\;R_5,\;\infty)$

$$H(s)=\frac{Z_1\left(Z_2Z_5g_m-Z_2+Z_5\right)}{2Z_1Z_2g_m+4Z_1+Z_2+Z_5}$$

10.2 INVALID-ORDER-2 $Z(s)=\left(R_1,\;R_2,\;\infty,\;\infty,\;\frac{1}{C_5s},\;\infty\right)$

$$H(s)=\frac{Z_1\left(Z_2Z_5g_m-Z_2+Z_5\right)}{2Z_1Z_2g_m+4Z_1+Z_2+Z_5}$$

10.3 INVALID-ORDER-3 $Z(s)=\left(R_1,\;R_2,\;\infty,\;\infty,\;\frac{R_5}{C_5R_5s+1},\;\infty\right)$

$$H(s)=\frac{Z_1\left(Z_2Z_5g_m-Z_2+Z_5\right)}{2Z_1Z_2g_m+4Z_1+Z_2+Z_5}$$

10.4 INVALID-ORDER-4 $Z(s)=\left(R_1,\;R_2,\;\infty,\;\infty,\;R_5+\frac{1}{C_5s},\;\infty\right)$

$$H(s)=\frac{Z_1\left(Z_2Z_5g_m-Z_2+Z_5\right)}{2Z_1Z_2g_m+4Z_1+Z_2+Z_5}$$

$$10.5 \quad \text{INVALID-ORDER-5} \quad Z(s) = \left(R_1, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.6 \quad \text{INVALID-ORDER-6} \quad Z(s) = \left(R_1, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.7 \quad \text{INVALID-ORDER-7} \quad Z(s) = \left(R_1, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.8 \quad \text{INVALID-ORDER-8} \quad Z(s) = \left(R_1, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.9 \quad \text{INVALID-ORDER-9} \quad Z(s) = \left(R_1, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.10 \quad \text{INVALID-ORDER-10} \quad Z(s) = \left(R_1, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.11 \quad \text{INVALID-ORDER-11} \quad Z(s) = \left(R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.12 \quad \text{INVALID-ORDER-12} \quad Z(s) = \left(R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.13 \quad \text{INVALID-ORDER-13} \quad Z(s) = \left(R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.14 \quad \text{INVALID-ORDER-14} \quad Z(s) = \left(R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.15} \quad \textbf{INVALID-ORDER-15} \quad Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.16} \quad \textbf{INVALID-ORDER-16} \quad Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.17} \quad \textbf{INVALID-ORDER-17} \quad Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.18} \quad \textbf{INVALID-ORDER-18} \quad Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.19} \quad \textbf{INVALID-ORDER-19} \quad Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.20} \quad \textbf{INVALID-ORDER-20} \quad Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.21} \quad \textbf{INVALID-ORDER-21} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.22} \quad \textbf{INVALID-ORDER-22} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.23} \quad \textbf{INVALID-ORDER-23} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.24} \quad \textbf{INVALID-ORDER-24} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.25 \quad \text{INVALID-ORDER-25} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.26 \quad \text{INVALID-ORDER-26} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.27 \quad \text{INVALID-ORDER-27} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.28 \quad \text{INVALID-ORDER-28} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.29 \quad \text{INVALID-ORDER-29} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.30 \quad \text{INVALID-ORDER-30} \quad Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.31 \quad \text{INVALID-ORDER-31} \quad Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.32 \quad \text{INVALID-ORDER-32} \quad Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.33 \quad \text{INVALID-ORDER-33} \quad Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.34 \quad \text{INVALID-ORDER-34} \quad Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.35 INVALID-ORDER-35 $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \infty, \ \infty, \ L_5 s + \frac{1}{C_5 s}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.36 INVALID-ORDER-36 $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \infty, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.37 INVALID-ORDER-37 $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \infty, \ \infty, \ L_5 s + R_5 + \frac{1}{C_5 s}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.38 INVALID-ORDER-38 $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \infty, \ \infty, \ \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.39 INVALID-ORDER-39 $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \infty, \ \infty, \ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.40 INVALID-ORDER-40 $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \infty, \ \infty, \ \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.41 INVALID-ORDER-41 $Z(s) = \left(R_1, \ L_2 s + \frac{1}{C_2 s}, \ \infty, \ \infty, \ R_5, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.42 INVALID-ORDER-42 $Z(s) = \left(R_1, \ L_2 s + \frac{1}{C_2 s}, \ \infty, \ \infty, \ \frac{1}{C_5 s}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.43 INVALID-ORDER-43 $Z(s) = \left(R_1, \ L_2 s + \frac{1}{C_2 s}, \ \infty, \ \infty, \ \frac{R_5}{C_5 R_5 s + 1}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.44 INVALID-ORDER-44 $Z(s) = \left(R_1, \ L_2 s + \frac{1}{C_2 s}, \ \infty, \ \infty, \ R_5 + \frac{1}{C_5 s}, \ \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.45 \quad \text{INVALID-ORDER-45} \quad Z(s) = \left(R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.46 \quad \text{INVALID-ORDER-46} \quad Z(s) = \left(R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.47 \quad \text{INVALID-ORDER-47} \quad Z(s) = \left(R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.48 \quad \text{INVALID-ORDER-48} \quad Z(s) = \left(R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.49 \quad \text{INVALID-ORDER-49} \quad Z(s) = \left(R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.50 \quad \text{INVALID-ORDER-50} \quad Z(s) = \left(R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.51 \quad \text{INVALID-ORDER-51} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.52 \quad \text{INVALID-ORDER-52} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.53 \quad \text{INVALID-ORDER-53} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.54 \quad \text{INVALID-ORDER-54} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.55 \quad \text{INVALID-ORDER-55} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.56 \quad \text{INVALID-ORDER-56} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.57 \quad \text{INVALID-ORDER-57} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.58 \quad \text{INVALID-ORDER-58} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.59 \quad \text{INVALID-ORDER-59} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.60 \quad \text{INVALID-ORDER-60} \quad Z(s) = \left(R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.61 \quad \text{INVALID-ORDER-61} \quad Z(s) = \left(R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.62 \quad \text{INVALID-ORDER-62} \quad Z(s) = \left(R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.63 \quad \text{INVALID-ORDER-63} \quad Z(s) = \left(R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.64 \quad \text{INVALID-ORDER-64} \quad Z(s) = \left(R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.65} \quad \mathbf{INVALID-ORDER-65} \quad Z(s) = \left(R_1, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.66} \quad \mathbf{INVALID-ORDER-66} \quad Z(s) = \left(R_1, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.67} \quad \mathbf{INVALID-ORDER-67} \quad Z(s) = \left(R_1, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.68} \quad \mathbf{INVALID-ORDER-68} \quad Z(s) = \left(R_1, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.69} \quad \mathbf{INVALID-ORDER-69} \quad Z(s) = \left(R_1, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.70} \quad \mathbf{INVALID-ORDER-70} \quad Z(s) = \left(R_1, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.71} \quad \mathbf{INVALID-ORDER-71} \quad Z(s) = \left(R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.72} \quad \mathbf{INVALID-ORDER-72} \quad Z(s) = \left(R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.73} \quad \mathbf{INVALID-ORDER-73} \quad Z(s) = \left(R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.74 \quad \text{INVALID-ORDER-74} \quad Z(s) = \left(R_1, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.75 \quad \text{INVALID-ORDER-75} \quad Z(s) = \left(R_1, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.76 \quad \text{INVALID-ORDER-76} \quad Z(s) = \left(R_1, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.77 \quad \text{INVALID-ORDER-77} \quad Z(s) = \left(R_1, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.78 \quad \text{INVALID-ORDER-78} \quad Z(s) = \left(R_1, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.79 \quad \text{INVALID-ORDER-79} \quad Z(s) = \left(R_1, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.80 \quad \text{INVALID-ORDER-80} \quad Z(s) = \left(R_1, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.81 \quad \text{INVALID-ORDER-81} \quad Z(s) = (L_1 s, R_2, \infty, \infty, R_5, \infty)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.82 \quad \text{INVALID-ORDER-82} \quad Z(s) = \left(L_1 s, R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.83 \quad \text{INVALID-ORDER-83} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.84 \quad \text{INVALID-ORDER-84} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.85 \quad \text{INVALID-ORDER-85} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.86 \quad \text{INVALID-ORDER-86} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.87 \quad \text{INVALID-ORDER-87} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.88 \quad \text{INVALID-ORDER-88} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.89 \quad \text{INVALID-ORDER-89} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.90 \quad \text{INVALID-ORDER-90} \quad Z(s) = \left(L_1 s, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.91 \quad \text{INVALID-ORDER-91} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.92 \quad \text{INVALID-ORDER-92} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.93} \quad \textbf{INVALID-ORDER-93} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.94} \quad \textbf{INVALID-ORDER-94} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.95} \quad \textbf{INVALID-ORDER-95} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.96} \quad \textbf{INVALID-ORDER-96} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.97} \quad \textbf{INVALID-ORDER-97} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.98} \quad \textbf{INVALID-ORDER-98} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.99} \quad \textbf{INVALID-ORDER-99} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.100} \quad \textbf{INVALID-ORDER-100} \quad Z(s) = \left(L_1 s, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.101} \quad \textbf{INVALID-ORDER-101} \quad Z(s) = \left(L_1 s, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\textbf{10.102} \quad \textbf{INVALID-ORDER-102} \quad Z(s) = \left(L_1 s, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.103 \quad \text{INVALID-ORDER-103} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.104 \quad \text{INVALID-ORDER-104} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.105 \quad \text{INVALID-ORDER-105} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.106 \quad \text{INVALID-ORDER-106} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.107 \quad \text{INVALID-ORDER-107} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.108 \quad \text{INVALID-ORDER-108} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.109 \quad \text{INVALID-ORDER-109} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.110 \quad \text{INVALID-ORDER-110} \quad Z(s) = \left(L_1 s, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.111 \quad \text{INVALID-ORDER-111} \quad Z(s) = \left(L_1 s, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.112 \quad \text{INVALID-ORDER-112} \quad Z(s) = \left(L_1 s, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.113 \quad INVALID-ORDER-113} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.114 \quad INVALID-ORDER-114} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.115 \quad INVALID-ORDER-115} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.116 \quad INVALID-ORDER-116} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.117 \quad INVALID-ORDER-117} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.118 \quad INVALID-ORDER-118} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.119 \quad INVALID-ORDER-119} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.120 \quad INVALID-ORDER-120} \quad Z(s) = \left(L_1 s, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.121 \quad INVALID-ORDER-121} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.122 \quad INVALID-ORDER-122} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.123 \quad \text{INVALID-ORDER-123} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.124 \quad \text{INVALID-ORDER-124} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.125 \quad \text{INVALID-ORDER-125} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.126 \quad \text{INVALID-ORDER-126} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.127 \quad \text{INVALID-ORDER-127} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.128 \quad \text{INVALID-ORDER-128} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.129 \quad \text{INVALID-ORDER-129} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.130 \quad \text{INVALID-ORDER-130} \quad Z(s) = \left(L_1 s, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.131 \quad \text{INVALID-ORDER-131} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.132 \quad \text{INVALID-ORDER-132} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.133 \quad INVALID-ORDER-133} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.134 \quad INVALID-ORDER-134} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.135 \quad INVALID-ORDER-135} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.136 \quad INVALID-ORDER-136} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.137 \quad INVALID-ORDER-137} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.138 \quad INVALID-ORDER-138} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.139 \quad INVALID-ORDER-139} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.140 \quad INVALID-ORDER-140} \quad Z(s) = \left(L_1 s, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.141 \quad INVALID-ORDER-141} \quad Z(s) = \left(L_1 s, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.142 \quad INVALID-ORDER-142} \quad Z(s) = \left(L_1 s, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.143 \quad INVALID-ORDER-143} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.144 \quad INVALID-ORDER-144} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.145 \quad INVALID-ORDER-145} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.146 \quad INVALID-ORDER-146} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.147 \quad INVALID-ORDER-147} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.148 \quad INVALID-ORDER-148} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.149 \quad INVALID-ORDER-149} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.150 \quad INVALID-ORDER-150} \quad Z(s) = \left(L_1 s, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.151 \quad INVALID-ORDER-151} \quad Z(s) = \left(L_1 s, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.152 \quad \text{INVALID-ORDER-152} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.153 \quad \text{INVALID-ORDER-153} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.154 \quad \text{INVALID-ORDER-154} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.155 \quad \text{INVALID-ORDER-155} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.156 \quad \text{INVALID-ORDER-156} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.157 \quad \text{INVALID-ORDER-157} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.158 \quad \text{INVALID-ORDER-158} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.159 \quad \text{INVALID-ORDER-159} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.160 \quad \text{INVALID-ORDER-160} \quad Z(s) = \left(L_1 s, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.161 \quad \text{INVALID-ORDER-161} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.162 \quad \text{INVALID-ORDER-162} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.163 \quad \text{INVALID-ORDER-163} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.164 \quad \text{INVALID-ORDER-164} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.165 \quad \text{INVALID-ORDER-165} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.166 \quad \text{INVALID-ORDER-166} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.167 \quad \text{INVALID-ORDER-167} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.168 \quad \text{INVALID-ORDER-168} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.169 \quad \text{INVALID-ORDER-169} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.170 \quad \text{INVALID-ORDER-170} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.171 \quad \text{INVALID-ORDER-171} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.172 \quad \text{INVALID-ORDER-172} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.173 \quad \text{INVALID-ORDER-173} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.174 \quad \text{INVALID-ORDER-174} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.175 \quad \text{INVALID-ORDER-175} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.176 \quad \text{INVALID-ORDER-176} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.177 \quad \text{INVALID-ORDER-177} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.178 \quad \text{INVALID-ORDER-178} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.179 \quad \text{INVALID-ORDER-179} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.180 \quad \text{INVALID-ORDER-180} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.181 \quad \text{INVALID-ORDER-181} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.182 \quad \text{INVALID-ORDER-182} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.183 \quad \text{INVALID-ORDER-183} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.184 \quad \text{INVALID-ORDER-184} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.185 \quad \text{INVALID-ORDER-185} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.186 \quad \text{INVALID-ORDER-186} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.187 \quad \text{INVALID-ORDER-187} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.188 \quad \text{INVALID-ORDER-188} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.189 \quad \text{INVALID-ORDER-189} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.190 \quad \text{INVALID-ORDER-190} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.191} \quad \mathbf{INVALID-ORDER-191} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.192} \quad \mathbf{INVALID-ORDER-192} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.193} \quad \mathbf{INVALID-ORDER-193} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.194} \quad \mathbf{INVALID-ORDER-194} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.195} \quad \mathbf{INVALID-ORDER-195} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.196} \quad \mathbf{INVALID-ORDER-196} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.197} \quad \mathbf{INVALID-ORDER-197} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.198} \quad \mathbf{INVALID-ORDER-198} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.199} \quad \mathbf{INVALID-ORDER-199} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.200} \quad \mathbf{INVALID-ORDER-200} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.201 \quad \text{INVALID-ORDER-201} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.202 \quad \text{INVALID-ORDER-202} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.203 \quad \text{INVALID-ORDER-203} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.204 \quad \text{INVALID-ORDER-204} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.205 \quad \text{INVALID-ORDER-205} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.206 \quad \text{INVALID-ORDER-206} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.207 \quad \text{INVALID-ORDER-207} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.208 \quad \text{INVALID-ORDER-208} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.209 \quad \text{INVALID-ORDER-209} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.210 \quad \text{INVALID-ORDER-210} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.211 \quad \text{INVALID-ORDER-211} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.212 \quad \text{INVALID-ORDER-212} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.213 \quad \text{INVALID-ORDER-213} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.214 \quad \text{INVALID-ORDER-214} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.215 \quad \text{INVALID-ORDER-215} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.216 \quad \text{INVALID-ORDER-216} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.217 \quad \text{INVALID-ORDER-217} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.218 \quad \text{INVALID-ORDER-218} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.219 \quad \text{INVALID-ORDER-219} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.220 \quad \text{INVALID-ORDER-220} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.221 \quad \text{INVALID-ORDER-221} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.222 \quad \text{INVALID-ORDER-222} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.223 \quad \text{INVALID-ORDER-223} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.224 \quad \text{INVALID-ORDER-224} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.225 \quad \text{INVALID-ORDER-225} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.226 \quad \text{INVALID-ORDER-226} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.227 \quad \text{INVALID-ORDER-227} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.228 \quad \text{INVALID-ORDER-228} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.229 \quad \text{INVALID-ORDER-229} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.230 \quad \text{INVALID-ORDER-230} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.231 \quad \text{INVALID-ORDER-231} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.232 \quad \text{INVALID-ORDER-232} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.233 \quad \text{INVALID-ORDER-233} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.234 \quad \text{INVALID-ORDER-234} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.235 \quad \text{INVALID-ORDER-235} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.236 \quad \text{INVALID-ORDER-236} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.237 \quad \text{INVALID-ORDER-237} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.238 \quad \text{INVALID-ORDER-238} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.239 \quad \text{INVALID-ORDER-239} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.240 \quad \text{INVALID-ORDER-240} \quad Z(s) = \left(\frac{1}{C_1 s}, \quad \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.241 \quad \text{INVALID-ORDER-241} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.242 \quad \text{INVALID-ORDER-242} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.243 \quad \text{INVALID-ORDER-243} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.244 \quad \text{INVALID-ORDER-244} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.245 \quad \text{INVALID-ORDER-245} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.246 \quad \text{INVALID-ORDER-246} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.247 \quad \text{INVALID-ORDER-247} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.248 \quad \text{INVALID-ORDER-248} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.249 \quad \text{INVALID-ORDER-249} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.250 \quad \text{INVALID-ORDER-250} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.251 \quad \text{INVALID-ORDER-251} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.252 \quad \text{INVALID-ORDER-252} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.253 \quad \text{INVALID-ORDER-253} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.254 \quad \text{INVALID-ORDER-254} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.255 \quad \text{INVALID-ORDER-255} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.256 \quad \text{INVALID-ORDER-256} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.257 \quad \text{INVALID-ORDER-257} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.258 \quad \text{INVALID-ORDER-258} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.259 \quad \text{INVALID-ORDER-259} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.260 \quad \text{INVALID-ORDER-260} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.261 \quad \text{INVALID-ORDER-261} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.262 \quad \text{INVALID-ORDER-262} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.263 \quad \text{INVALID-ORDER-263} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.264 \quad \text{INVALID-ORDER-264} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.265 \quad \text{INVALID-ORDER-265} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.266 \quad \text{INVALID-ORDER-266} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.267 \quad \text{INVALID-ORDER-267} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.268 \quad \text{INVALID-ORDER-268} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.269 \quad \text{INVALID-ORDER-269} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.270 \quad \text{INVALID-ORDER-270} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.271 \quad \text{INVALID-ORDER-271} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.272 \quad \text{INVALID-ORDER-272} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.273 \quad \text{INVALID-ORDER-273} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.274 \quad \text{INVALID-ORDER-274} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.275 \quad \text{INVALID-ORDER-275} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.276 \quad \text{INVALID-ORDER-276} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.277 \quad \text{INVALID-ORDER-277} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.278 \quad \text{INVALID-ORDER-278} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.279 \quad \text{INVALID-ORDER-279} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.280 \quad \text{INVALID-ORDER-280} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.281 \quad \text{INVALID-ORDER-281} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.282 \quad \text{INVALID-ORDER-282} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.283 \quad \text{INVALID-ORDER-283} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.284 \quad \text{INVALID-ORDER-284} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.285 \quad \text{INVALID-ORDER-285} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.286 \quad \text{INVALID-ORDER-286} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.287 \quad \text{INVALID-ORDER-287} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.288 \quad \text{INVALID-ORDER-288} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.289 \quad \text{INVALID-ORDER-289} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.290 \quad \text{INVALID-ORDER-290} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.291 \quad \text{INVALID-ORDER-291} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.292 \quad \text{INVALID-ORDER-292} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.293 \quad \text{INVALID-ORDER-293} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.294 \quad \text{INVALID-ORDER-294} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.295 \quad \text{INVALID-ORDER-295} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.296 \quad \text{INVALID-ORDER-296} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.297 \quad \text{INVALID-ORDER-297} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.298 \quad \text{INVALID-ORDER-298} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.299 \quad \text{INVALID-ORDER-299} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.300 \quad \text{INVALID-ORDER-300} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.301 \quad \text{INVALID-ORDER-301} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.302 \quad \text{INVALID-ORDER-302} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.303 \quad \text{INVALID-ORDER-303} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.304 \quad \text{INVALID-ORDER-304} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.305 \quad \text{INVALID-ORDER-305} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.306 \quad \text{INVALID-ORDER-306} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.307 \quad \text{INVALID-ORDER-307} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.308 \quad \text{INVALID-ORDER-308} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.309 \quad \text{INVALID-ORDER-309} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$\begin{aligned}
10.310 \quad \text{INVALID-ORDER-310} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.311 \quad \text{INVALID-ORDER-311} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.312 \quad \text{INVALID-ORDER-312} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.313 \quad \text{INVALID-ORDER-313} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.314 \quad \text{INVALID-ORDER-314} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.315 \quad \text{INVALID-ORDER-315} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.316 \quad \text{INVALID-ORDER-316} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.317 \quad \text{INVALID-ORDER-317} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.318 \quad \text{INVALID-ORDER-318} \quad Z(s) &= \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \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{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.319 \quad \text{INVALID-ORDER-319} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.320 \quad \text{INVALID-ORDER-320} \quad Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.321 \quad \text{INVALID-ORDER-321} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.322 \quad \text{INVALID-ORDER-322} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.323 \quad \text{INVALID-ORDER-323} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.324 \quad \text{INVALID-ORDER-324} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.325 \quad \text{INVALID-ORDER-325} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.326 \quad \text{INVALID-ORDER-326} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.327 \quad \text{INVALID-ORDER-327} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.328 \quad \text{INVALID-ORDER-328} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.329 \quad INVALID-ORDER-329} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.330 \quad INVALID-ORDER-330} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.331 \quad INVALID-ORDER-331} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.332 \quad INVALID-ORDER-332} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.333 \quad INVALID-ORDER-333} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.334 \quad INVALID-ORDER-334} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.335 \quad INVALID-ORDER-335} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.336 \quad INVALID-ORDER-336} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.337 \quad INVALID-ORDER-337} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.338 \quad INVALID-ORDER-338} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.339 \quad \text{INVALID-ORDER-339} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.340 \quad \text{INVALID-ORDER-340} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.341 \quad \text{INVALID-ORDER-341} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.342 \quad \text{INVALID-ORDER-342} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.343 \quad \text{INVALID-ORDER-343} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.344 \quad \text{INVALID-ORDER-344} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.345 \quad \text{INVALID-ORDER-345} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.346 \quad \text{INVALID-ORDER-346} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.347 \quad \text{INVALID-ORDER-347} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.348 \quad \text{INVALID-ORDER-348} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.349 \quad \text{INVALID-ORDER-349} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.350 \quad \text{INVALID-ORDER-350} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.351 \quad \text{INVALID-ORDER-351} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.352 \quad \text{INVALID-ORDER-352} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.353 \quad \text{INVALID-ORDER-353} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.354 \quad \text{INVALID-ORDER-354} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.355 \quad \text{INVALID-ORDER-355} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.356 \quad \text{INVALID-ORDER-356} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.357 \quad \text{INVALID-ORDER-357} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.358 \quad \text{INVALID-ORDER-358} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.359 \quad INVALID-ORDER-359} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.360 \quad INVALID-ORDER-360} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.361 \quad INVALID-ORDER-361} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.362 \quad INVALID-ORDER-362} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.363 \quad INVALID-ORDER-363} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.364 \quad INVALID-ORDER-364} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.365 \quad INVALID-ORDER-365} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.366 \quad INVALID-ORDER-366} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.367 \quad INVALID-ORDER-367} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.368 \quad INVALID-ORDER-368} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.369 \quad \text{INVALID-ORDER-369} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.370 \quad \text{INVALID-ORDER-370} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.371 \quad \text{INVALID-ORDER-371} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.372 \quad \text{INVALID-ORDER-372} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.373 \quad \text{INVALID-ORDER-373} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.374 \quad \text{INVALID-ORDER-374} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.375 \quad \text{INVALID-ORDER-375} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.376 \quad \text{INVALID-ORDER-376} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.377 \quad \text{INVALID-ORDER-377} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.378 \quad \text{INVALID-ORDER-378} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$\begin{aligned}
10.379 \quad \text{INVALID-ORDER-379} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.380 \quad \text{INVALID-ORDER-380} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.381 \quad \text{INVALID-ORDER-381} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.382 \quad \text{INVALID-ORDER-382} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.383 \quad \text{INVALID-ORDER-383} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.384 \quad \text{INVALID-ORDER-384} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.385 \quad \text{INVALID-ORDER-385} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.386 \quad \text{INVALID-ORDER-386} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.387 \quad \text{INVALID-ORDER-387} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.388 \quad \text{INVALID-ORDER-388} \quad Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.389 \quad \text{INVALID-ORDER-389} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.390 \quad \text{INVALID-ORDER-390} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.391 \quad \text{INVALID-ORDER-391} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.392 \quad \text{INVALID-ORDER-392} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.393 \quad \text{INVALID-ORDER-393} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.394 \quad \text{INVALID-ORDER-394} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.395 \quad \text{INVALID-ORDER-395} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.396 \quad \text{INVALID-ORDER-396} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.397 \quad \text{INVALID-ORDER-397} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.398 \quad \text{INVALID-ORDER-398} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.399 \quad \text{INVALID-ORDER-399} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.400 \quad \text{INVALID-ORDER-400} \quad Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.401 \quad \text{INVALID-ORDER-401} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, R_2, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.402 \quad \text{INVALID-ORDER-402} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.403 \quad \text{INVALID-ORDER-403} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.404 \quad \text{INVALID-ORDER-404} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.405 \quad \text{INVALID-ORDER-405} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.406 \quad \text{INVALID-ORDER-406} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.407 \quad \text{INVALID-ORDER-407} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.408 \quad \text{INVALID-ORDER-408} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.409 \quad \text{INVALID-ORDER-409} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.410 \quad \text{INVALID-ORDER-410} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.411 \quad \text{INVALID-ORDER-411} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.412 \quad \text{INVALID-ORDER-412} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.413 \quad \text{INVALID-ORDER-413} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.414 \quad \text{INVALID-ORDER-414} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.415 \quad \text{INVALID-ORDER-415} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.416 \quad \text{INVALID-ORDER-416} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.417} \quad \mathbf{INVALID-ORDER-417} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.418} \quad \mathbf{INVALID-ORDER-418} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.419} \quad \mathbf{INVALID-ORDER-419} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.420} \quad \mathbf{INVALID-ORDER-420} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.421} \quad \mathbf{INVALID-ORDER-421} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.422} \quad \mathbf{INVALID-ORDER-422} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.423} \quad \mathbf{INVALID-ORDER-423} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.424} \quad \mathbf{INVALID-ORDER-424} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.425} \quad \mathbf{INVALID-ORDER-425} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.426} \quad \mathbf{INVALID-ORDER-426} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.427 \quad \text{INVALID-ORDER-427} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.428 \quad \text{INVALID-ORDER-428} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.429 \quad \text{INVALID-ORDER-429} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.430 \quad \text{INVALID-ORDER-430} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.431 \quad \text{INVALID-ORDER-431} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.432 \quad \text{INVALID-ORDER-432} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.433 \quad \text{INVALID-ORDER-433} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.434 \quad \text{INVALID-ORDER-434} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.435 \quad \text{INVALID-ORDER-435} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.436 \quad \text{INVALID-ORDER-436} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$\begin{aligned}
10.437 \quad \text{INVALID-ORDER-437} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.438 \quad \text{INVALID-ORDER-438} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.439 \quad \text{INVALID-ORDER-439} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.440 \quad \text{INVALID-ORDER-440} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.441 \quad \text{INVALID-ORDER-441} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.442 \quad \text{INVALID-ORDER-442} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.443 \quad \text{INVALID-ORDER-443} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.444 \quad \text{INVALID-ORDER-444} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.445 \quad \text{INVALID-ORDER-445} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.446 \quad \text{INVALID-ORDER-446} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.447 \quad \text{INVALID-ORDER-447} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.448 \quad \text{INVALID-ORDER-448} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.449 \quad \text{INVALID-ORDER-449} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.450 \quad \text{INVALID-ORDER-450} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.451 \quad \text{INVALID-ORDER-451} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.452 \quad \text{INVALID-ORDER-452} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.453 \quad \text{INVALID-ORDER-453} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.454 \quad \text{INVALID-ORDER-454} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.455 \quad \text{INVALID-ORDER-455} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.456 \quad \text{INVALID-ORDER-456} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.457 \quad \text{INVALID-ORDER-457} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.458 \quad \text{INVALID-ORDER-458} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.459 \quad \text{INVALID-ORDER-459} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.460 \quad \text{INVALID-ORDER-460} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.461 \quad \text{INVALID-ORDER-461} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.462 \quad \text{INVALID-ORDER-462} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.463 \quad \text{INVALID-ORDER-463} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.464 \quad \text{INVALID-ORDER-464} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.465 \quad \text{INVALID-ORDER-465} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.466 \quad \text{INVALID-ORDER-466} \quad Z(s) &= \left(L_1 s + \frac{1}{C_1 s}, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.467 \quad \text{INVALID-ORDER-467} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.468 \quad \text{INVALID-ORDER-468} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.469 \quad \text{INVALID-ORDER-469} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.470 \quad \text{INVALID-ORDER-470} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.471 \quad \text{INVALID-ORDER-471} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.472 \quad \text{INVALID-ORDER-472} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.473 \quad \text{INVALID-ORDER-473} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.474 \quad \text{INVALID-ORDER-474} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.475 \quad \text{INVALID-ORDER-475} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.476 \quad \text{INVALID-ORDER-476} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.477 \quad \text{INVALID-ORDER-477} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.478 \quad \text{INVALID-ORDER-478} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.479 \quad \text{INVALID-ORDER-479} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.480 \quad \text{INVALID-ORDER-480} \quad Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.481 \quad \text{INVALID-ORDER-481} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.482 \quad \text{INVALID-ORDER-482} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.483 \quad \text{INVALID-ORDER-483} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.484 \quad \text{INVALID-ORDER-484} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.485 \quad \text{INVALID-ORDER-485} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.486 \quad \text{INVALID-ORDER-486} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.487 \quad \text{INVALID-ORDER-487} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.488 \quad \text{INVALID-ORDER-488} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.489 \quad \text{INVALID-ORDER-489} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.490 \quad \text{INVALID-ORDER-490} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.491 \quad \text{INVALID-ORDER-491} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.492 \quad \text{INVALID-ORDER-492} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.493 \quad \text{INVALID-ORDER-493} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.494 \quad \text{INVALID-ORDER-494} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.495 \quad \text{INVALID-ORDER-495} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.496 \quad \text{INVALID-ORDER-496} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.497 \quad \text{INVALID-ORDER-497} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.498 \quad \text{INVALID-ORDER-498} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.499 \quad \text{INVALID-ORDER-499} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.500 \quad \text{INVALID-ORDER-500} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.501 \quad \text{INVALID-ORDER-501} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.502 \quad \text{INVALID-ORDER-502} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.503 \quad \text{INVALID-ORDER-503} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.504 \quad \text{INVALID-ORDER-504} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.505 \quad \text{INVALID-ORDER-505} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.506 \quad \text{INVALID-ORDER-506} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.507 \quad \text{INVALID-ORDER-507} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.508 \quad \text{INVALID-ORDER-508} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.509 \quad \text{INVALID-ORDER-509} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.510 \quad \text{INVALID-ORDER-510} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.511 \quad \text{INVALID-ORDER-511} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.512 \quad \text{INVALID-ORDER-512} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.513 \quad \text{INVALID-ORDER-513} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.514 \quad \text{INVALID-ORDER-514} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.515 \quad \text{INVALID-ORDER-515} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.516 \quad \text{INVALID-ORDER-516} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.517 \quad \text{INVALID-ORDER-517} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.518 \quad \text{INVALID-ORDER-518} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.519 \quad \text{INVALID-ORDER-519} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.520 \quad \text{INVALID-ORDER-520} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.521 \quad \text{INVALID-ORDER-521} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.522 \quad \text{INVALID-ORDER-522} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.523 \quad \text{INVALID-ORDER-523} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.524 \quad \text{INVALID-ORDER-524} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.525 \quad \text{INVALID-ORDER-525} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.526 \quad \text{INVALID-ORDER-526} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.527 \quad \text{INVALID-ORDER-527} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.528 \quad \text{INVALID-ORDER-528} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.529 \quad \text{INVALID-ORDER-529} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.530 \quad \text{INVALID-ORDER-530} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.531 \quad \text{INVALID-ORDER-531} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.532 \quad \text{INVALID-ORDER-532} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.533 \quad \text{INVALID-ORDER-533} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.534 \quad \text{INVALID-ORDER-534} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.535 \quad \text{INVALID-ORDER-535} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.536 \quad \text{INVALID-ORDER-536} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.537 \quad \text{INVALID-ORDER-537} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.538 \quad \text{INVALID-ORDER-538} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \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{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.539 \quad \text{INVALID-ORDER-539} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.540 \quad \text{INVALID-ORDER-540} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.541 \quad \text{INVALID-ORDER-541} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.542 \quad \text{INVALID-ORDER-542} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.543 \quad \text{INVALID-ORDER-543} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.544 \quad \text{INVALID-ORDER-544} \quad Z(s) &= \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.545 \quad \text{INVALID-ORDER-545} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.546 \quad \text{INVALID-ORDER-546} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.547 \quad \text{INVALID-ORDER-547} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.548 \quad \text{INVALID-ORDER-548} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.549 \quad \text{INVALID-ORDER-549} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.550 \quad \text{INVALID-ORDER-550} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.551 \quad \text{INVALID-ORDER-551} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.552 \quad \text{INVALID-ORDER-552} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.553 \quad \text{INVALID-ORDER-553} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.554 \quad \text{INVALID-ORDER-554} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.555 \quad \text{INVALID-ORDER-555} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.556 \quad \text{INVALID-ORDER-556} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.557 \quad \text{INVALID-ORDER-557} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.558 \quad \text{INVALID-ORDER-558} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.559 \quad \text{INVALID-ORDER-559} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.560 \quad \text{INVALID-ORDER-560} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.561 \quad \text{INVALID-ORDER-561} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.562 \quad \text{INVALID-ORDER-562} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.563 \quad INVALID-ORDER-563} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.564 \quad INVALID-ORDER-564} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.565 \quad INVALID-ORDER-565} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.566 \quad INVALID-ORDER-566} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.567 \quad INVALID-ORDER-567} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.568 \quad INVALID-ORDER-568} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.569 \quad INVALID-ORDER-569} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.570 \quad INVALID-ORDER-570} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.571 \quad INVALID-ORDER-571} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.572 \quad INVALID-ORDER-572} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.573 \quad \text{INVALID-ORDER-573} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.574 \quad \text{INVALID-ORDER-574} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.575 \quad \text{INVALID-ORDER-575} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.576 \quad \text{INVALID-ORDER-576} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.577 \quad \text{INVALID-ORDER-577} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.578 \quad \text{INVALID-ORDER-578} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.579 \quad \text{INVALID-ORDER-579} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.580 \quad \text{INVALID-ORDER-580} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.581 \quad \text{INVALID-ORDER-581} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.582 \quad \text{INVALID-ORDER-582} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad \frac{R_2}{C_2 R_2 s + 1}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.583 \quad \text{INVALID-ORDER-583} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.584 \quad \text{INVALID-ORDER-584} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.585 \quad \text{INVALID-ORDER-585} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.586 \quad \text{INVALID-ORDER-586} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.587 \quad \text{INVALID-ORDER-587} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.588 \quad \text{INVALID-ORDER-588} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \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{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.589 \quad \text{INVALID-ORDER-589} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.590 \quad \text{INVALID-ORDER-590} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.591 \quad \text{INVALID-ORDER-591} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.592 \quad \text{INVALID-ORDER-592} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.593 \quad \text{INVALID-ORDER-593} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.594 \quad \text{INVALID-ORDER-594} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.595 \quad \text{INVALID-ORDER-595} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.596 \quad \text{INVALID-ORDER-596} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.597 \quad \text{INVALID-ORDER-597} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.598 \quad \text{INVALID-ORDER-598} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.599 \quad \text{INVALID-ORDER-599} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.600 \quad \text{INVALID-ORDER-600} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.601 \quad \text{INVALID-ORDER-601} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.602 \quad \text{INVALID-ORDER-602} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.603 \quad \text{INVALID-ORDER-603} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.604 \quad \text{INVALID-ORDER-604} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.605 \quad \text{INVALID-ORDER-605} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.606 \quad \text{INVALID-ORDER-606} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.607 \quad \text{INVALID-ORDER-607} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.608 \quad \text{INVALID-ORDER-608} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.609 \quad \text{INVALID-ORDER-609} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.610 \quad \text{INVALID-ORDER-610} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.611 \quad \text{INVALID-ORDER-611} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5} \\
10.612 \quad \text{INVALID-ORDER-612} \quad Z(s) &= \left(L_1 s + R_1 + \frac{1}{C_1 s}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}
\end{aligned}$$

10.613 INVALID-ORDER-613 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.614 INVALID-ORDER-614 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.615 INVALID-ORDER-615 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.616 INVALID-ORDER-616 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.617 INVALID-ORDER-617 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.618 INVALID-ORDER-618 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.619 INVALID-ORDER-619 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.620 INVALID-ORDER-620 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.621 INVALID-ORDER-621 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.622 INVALID-ORDER-622 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.623 \quad \text{INVALID-ORDER-623} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.624 \quad \text{INVALID-ORDER-624} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.625 \quad \text{INVALID-ORDER-625} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.626 \quad \text{INVALID-ORDER-626} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.627 \quad \text{INVALID-ORDER-627} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.628 \quad \text{INVALID-ORDER-628} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.629 \quad \text{INVALID-ORDER-629} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.630 \quad \text{INVALID-ORDER-630} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.631 \quad \text{INVALID-ORDER-631} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.632 \quad \text{INVALID-ORDER-632} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.633 \quad \text{INVALID-ORDER-633} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.634 \quad \text{INVALID-ORDER-634} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.635 \quad \text{INVALID-ORDER-635} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.636 \quad \text{INVALID-ORDER-636} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.637 \quad \text{INVALID-ORDER-637} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.638 \quad \text{INVALID-ORDER-638} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.639 \quad \text{INVALID-ORDER-639} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.640 \quad \text{INVALID-ORDER-640} \quad Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.641 \quad \text{INVALID-ORDER-641} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.642 \quad \text{INVALID-ORDER-642} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.643 \quad \text{INVALID-ORDER-643} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.644 \quad \text{INVALID-ORDER-644} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.645 \quad \text{INVALID-ORDER-645} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.646 \quad \text{INVALID-ORDER-646} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.647 \quad \text{INVALID-ORDER-647} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.648 \quad \text{INVALID-ORDER-648} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.649 \quad \text{INVALID-ORDER-649} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.650 \quad \text{INVALID-ORDER-650} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.651 \quad \text{INVALID-ORDER-651} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.652 \quad \text{INVALID-ORDER-652} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.653 \quad \text{INVALID-ORDER-653} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.654 \quad \text{INVALID-ORDER-654} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.655 \quad \text{INVALID-ORDER-655} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.656 \quad \text{INVALID-ORDER-656} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.657 \quad \text{INVALID-ORDER-657} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.658 \quad \text{INVALID-ORDER-658} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.659 \quad \text{INVALID-ORDER-659} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.660 \quad \text{INVALID-ORDER-660} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.661 \quad \text{INVALID-ORDER-661} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.662 \quad \text{INVALID-ORDER-662} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.663 \quad \text{INVALID-ORDER-663} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.664 \quad \text{INVALID-ORDER-664} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.665 \quad \text{INVALID-ORDER-665} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.666 \quad \text{INVALID-ORDER-666} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.667 \quad \text{INVALID-ORDER-667} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.668 \quad \text{INVALID-ORDER-668} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.669 \quad \text{INVALID-ORDER-669} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.670 \quad \text{INVALID-ORDER-670} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.671} \quad \mathbf{INVALID-ORDER-671} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.672} \quad \mathbf{INVALID-ORDER-672} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.673} \quad \mathbf{INVALID-ORDER-673} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.674} \quad \mathbf{INVALID-ORDER-674} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.675} \quad \mathbf{INVALID-ORDER-675} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.676} \quad \mathbf{INVALID-ORDER-676} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.677} \quad \mathbf{INVALID-ORDER-677} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.678} \quad \mathbf{INVALID-ORDER-678} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.679} \quad \mathbf{INVALID-ORDER-679} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.680} \quad \mathbf{INVALID-ORDER-680} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.681 \quad \text{INVALID-ORDER-681} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.682 \quad \text{INVALID-ORDER-682} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.683 \quad \text{INVALID-ORDER-683} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.684 \quad \text{INVALID-ORDER-684} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.685 \quad \text{INVALID-ORDER-685} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.686 \quad \text{INVALID-ORDER-686} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.687 \quad \text{INVALID-ORDER-687} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.688 \quad \text{INVALID-ORDER-688} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.689 \quad \text{INVALID-ORDER-689} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.690 \quad \text{INVALID-ORDER-690} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$\begin{aligned}
10.691 \quad \text{INVALID-ORDER-691} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.692 \quad \text{INVALID-ORDER-692} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.693 \quad \text{INVALID-ORDER-693} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.694 \quad \text{INVALID-ORDER-694} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.695 \quad \text{INVALID-ORDER-695} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.696 \quad \text{INVALID-ORDER-696} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.697 \quad \text{INVALID-ORDER-697} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.698 \quad \text{INVALID-ORDER-698} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.699 \quad \text{INVALID-ORDER-699} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.700 \quad \text{INVALID-ORDER-700} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$\begin{aligned}
10.701 \quad \text{INVALID-ORDER-701} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.702 \quad \text{INVALID-ORDER-702} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.703 \quad \text{INVALID-ORDER-703} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.704 \quad \text{INVALID-ORDER-704} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.705 \quad \text{INVALID-ORDER-705} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.706 \quad \text{INVALID-ORDER-706} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.707 \quad \text{INVALID-ORDER-707} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.708 \quad \text{INVALID-ORDER-708} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \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{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.709 \quad \text{INVALID-ORDER-709} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.710 \quad \text{INVALID-ORDER-710} \quad Z(s) &= \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.711 \quad \text{INVALID-ORDER-711} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.712 \quad \text{INVALID-ORDER-712} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.713 \quad \text{INVALID-ORDER-713} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.714 \quad \text{INVALID-ORDER-714} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.715 \quad \text{INVALID-ORDER-715} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.716 \quad \text{INVALID-ORDER-716} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.717 \quad \text{INVALID-ORDER-717} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.718 \quad \text{INVALID-ORDER-718} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.719 \quad \text{INVALID-ORDER-719} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.720 \quad \text{INVALID-ORDER-720} \quad Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.721 \quad \text{INVALID-ORDER-721} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.722 \quad \text{INVALID-ORDER-722} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.723 \quad \text{INVALID-ORDER-723} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.724 \quad \text{INVALID-ORDER-724} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.725 \quad \text{INVALID-ORDER-725} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.726 \quad \text{INVALID-ORDER-726} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.727 \quad \text{INVALID-ORDER-727} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.728 \quad \text{INVALID-ORDER-728} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.729 \quad \text{INVALID-ORDER-729} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.730 \quad INVALID-ORDER-730} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad R_2, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.731 \quad INVALID-ORDER-731} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.732 \quad INVALID-ORDER-732} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.733 \quad INVALID-ORDER-733} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.734 \quad INVALID-ORDER-734} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.735 \quad INVALID-ORDER-735} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.736 \quad INVALID-ORDER-736} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.737 \quad INVALID-ORDER-737} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.738 \quad INVALID-ORDER-738} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\mathbf{10.739 \quad INVALID-ORDER-739} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.740 \quad \text{INVALID-ORDER-740} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.741 \quad \text{INVALID-ORDER-741} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.742 \quad \text{INVALID-ORDER-742} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.743 \quad \text{INVALID-ORDER-743} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.744 \quad \text{INVALID-ORDER-744} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.745 \quad \text{INVALID-ORDER-745} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.746 \quad \text{INVALID-ORDER-746} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.747 \quad \text{INVALID-ORDER-747} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.748 \quad \text{INVALID-ORDER-748} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.749 \quad \text{INVALID-ORDER-749} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.750 \quad \text{INVALID-ORDER-750} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.751 \quad \text{INVALID-ORDER-751} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.752 \quad \text{INVALID-ORDER-752} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.753 \quad \text{INVALID-ORDER-753} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.754 \quad \text{INVALID-ORDER-754} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.755 \quad \text{INVALID-ORDER-755} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.756 \quad \text{INVALID-ORDER-756} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.757 \quad \text{INVALID-ORDER-757} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.758 \quad \text{INVALID-ORDER-758} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.759 \quad \text{INVALID-ORDER-759} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.760 \quad \text{INVALID-ORDER-760} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.761 \quad \text{INVALID-ORDER-761} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.762 \quad \text{INVALID-ORDER-762} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.763 \quad \text{INVALID-ORDER-763} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.764 \quad \text{INVALID-ORDER-764} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.765 \quad \text{INVALID-ORDER-765} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.766 \quad \text{INVALID-ORDER-766} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.767 \quad \text{INVALID-ORDER-767} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.768 \quad \text{INVALID-ORDER-768} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.769 \quad \text{INVALID-ORDER-769} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.770 INVALID-ORDER-770 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.771 INVALID-ORDER-771 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.772 INVALID-ORDER-772 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.773 INVALID-ORDER-773 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.774 INVALID-ORDER-774 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.775 INVALID-ORDER-775 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.776 INVALID-ORDER-776 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.777 INVALID-ORDER-777 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.778 INVALID-ORDER-778 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

10.779 INVALID-ORDER-779 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2 Z_1 Z_2 g_m + 4 Z_1 + Z_2 + Z_5}$$

$$10.780 \quad \text{INVALID-ORDER-780} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad L_2 s + R_2 + \frac{1}{C_2 s}, \quad \infty, \quad \infty, \quad \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.781 \quad \text{INVALID-ORDER-781} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.782 \quad \text{INVALID-ORDER-782} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.783 \quad \text{INVALID-ORDER-783} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{R_5}{C_5 R_5 s + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.784 \quad \text{INVALID-ORDER-784} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.785 \quad \text{INVALID-ORDER-785} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad L_5 s + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.786 \quad \text{INVALID-ORDER-786} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.787 \quad \text{INVALID-ORDER-787} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad L_5 s + R_5 + \frac{1}{C_5 s}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.788 \quad \text{INVALID-ORDER-788} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.789 \quad \text{INVALID-ORDER-789} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \quad \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \quad \infty, \quad \infty, \quad \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \quad \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.790 \quad \text{INVALID-ORDER-790} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.791 \quad \text{INVALID-ORDER-791} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.792 \quad \text{INVALID-ORDER-792} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.793 \quad \text{INVALID-ORDER-793} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.794 \quad \text{INVALID-ORDER-794} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.795 \quad \text{INVALID-ORDER-795} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.796 \quad \text{INVALID-ORDER-796} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.797 \quad \text{INVALID-ORDER-797} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.798 \quad \text{INVALID-ORDER-798} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.799 \quad \text{INVALID-ORDER-799} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.800 \quad \text{INVALID-ORDER-800} \quad Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1} + R_1, \frac{R_2 (C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5 (C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.801 \quad \text{INVALID-ORDER-801} \quad Z(s) = \left(\frac{R_1 (C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.802 \quad \text{INVALID-ORDER-802} \quad Z(s) = \left(\frac{R_1 (C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.803 \quad \text{INVALID-ORDER-803} \quad Z(s) = \left(\frac{R_1 (C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.804 \quad \text{INVALID-ORDER-804} \quad Z(s) = \left(\frac{R_1 (C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.805 \quad \text{INVALID-ORDER-805} \quad Z(s) = \left(\frac{R_1 (C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.806 \quad \text{INVALID-ORDER-806} \quad Z(s) = \left(\frac{R_1 (C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.807 \quad \text{INVALID-ORDER-807} \quad Z(s) = \left(\frac{R_1 (C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1 (Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.808 \quad \text{INVALID-ORDER-808} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.809 \quad \text{INVALID-ORDER-809} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.810 \quad \text{INVALID-ORDER-810} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.811 \quad \text{INVALID-ORDER-811} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.812 \quad \text{INVALID-ORDER-812} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.813 \quad \text{INVALID-ORDER-813} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.814 \quad \text{INVALID-ORDER-814} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.815 \quad \text{INVALID-ORDER-815} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.816 \quad \text{INVALID-ORDER-816} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.817 \quad \text{INVALID-ORDER-817} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.818 \quad \text{INVALID-ORDER-818} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \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{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.819 \quad \text{INVALID-ORDER-819} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.820 \quad \text{INVALID-ORDER-820} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.821 \quad \text{INVALID-ORDER-821} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.822 \quad \text{INVALID-ORDER-822} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.823 \quad \text{INVALID-ORDER-823} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.824 \quad \text{INVALID-ORDER-824} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.825 \quad \text{INVALID-ORDER-825} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.826 \quad \text{INVALID-ORDER-826} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.827 \quad \text{INVALID-ORDER-827} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.828 \quad \text{INVALID-ORDER-828} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.829 \quad \text{INVALID-ORDER-829} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.830 \quad \text{INVALID-ORDER-830} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.831 \quad \text{INVALID-ORDER-831} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.832 \quad \text{INVALID-ORDER-832} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.833 \quad \text{INVALID-ORDER-833} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.834 \quad \text{INVALID-ORDER-834} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.835 \quad \text{INVALID-ORDER-835} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.836 \quad \text{INVALID-ORDER-836} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.837 \quad \text{INVALID-ORDER-837} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.838 \quad \text{INVALID-ORDER-838} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \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{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.839 \quad \text{INVALID-ORDER-839} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.840 \quad \text{INVALID-ORDER-840} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.841 \quad \text{INVALID-ORDER-841} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.842 \quad \text{INVALID-ORDER-842} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.843 \quad \text{INVALID-ORDER-843} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

10.844 INVALID-ORDER-844 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.845 INVALID-ORDER-845 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.846 INVALID-ORDER-846 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.847 INVALID-ORDER-847 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.848 INVALID-ORDER-848 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.849 INVALID-ORDER-849 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.850 INVALID-ORDER-850 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.851 INVALID-ORDER-851 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.852 INVALID-ORDER-852 $Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$\begin{aligned}
10.853 \quad \text{INVALID-ORDER-853} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.854 \quad \text{INVALID-ORDER-854} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.855 \quad \text{INVALID-ORDER-855} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.856 \quad \text{INVALID-ORDER-856} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.857 \quad \text{INVALID-ORDER-857} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.858 \quad \text{INVALID-ORDER-858} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \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{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.859 \quad \text{INVALID-ORDER-859} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.860 \quad \text{INVALID-ORDER-860} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5} \\
10.861 \quad \text{INVALID-ORDER-861} \quad Z(s) &= \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5, \infty \right) \\
H(s) &= \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}
\end{aligned}$$

$$10.862 \quad \text{INVALID-ORDER-862} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.863 \quad \text{INVALID-ORDER-863} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.864 \quad \text{INVALID-ORDER-864} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.865 \quad \text{INVALID-ORDER-865} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.866 \quad \text{INVALID-ORDER-866} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.867 \quad \text{INVALID-ORDER-867} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.868 \quad \text{INVALID-ORDER-868} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.869 \quad \text{INVALID-ORDER-869} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.870 \quad \text{INVALID-ORDER-870} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{L_2 s}{C_2 L_2 s^2 + 1} + R_2, \infty, \infty, \frac{R_5(C_5 L_5 s^2 + 1)}{C_5 L_5 s^2 + C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.871 \quad \text{INVALID-ORDER-871} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.872 \quad \text{INVALID-ORDER-872} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.873 \quad \text{INVALID-ORDER-873} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{R_5}{C_5 R_5 s + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.874 \quad \text{INVALID-ORDER-874} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.875 \quad \text{INVALID-ORDER-875} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.876 \quad \text{INVALID-ORDER-876} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.877 \quad \text{INVALID-ORDER-877} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, L_5 s + R_5 + \frac{1}{C_5 s}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.878 \quad \text{INVALID-ORDER-878} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 R_5 s}{C_5 L_5 R_5 s^2 + L_5 s + R_5}, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

$$10.879 \quad \text{INVALID-ORDER-879} \quad Z(s) = \left(\frac{R_1(C_1 L_1 s^2 + 1)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \frac{R_2(C_2 L_2 s^2 + 1)}{C_2 L_2 s^2 + C_2 R_2 s + 1}, \infty, \infty, \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5, \infty \right)$$

$$H(s) = \frac{Z_1(Z_2 Z_5 g_m - Z_2 + Z_5)}{2Z_1 Z_2 g_m + 4Z_1 + Z_2 + Z_5}$$

10.880 INVALID-ORDER-880

$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \frac{R_2(C_2L_2s^2+1)}{C_2L_2s^2+C_2R_2s+1}, \infty, \infty, \frac{R_5(C_5L_5s^2+1)}{C_5L_5s^2+C_5R_5s+1}, \infty \right)$$

$$H(s) = \frac{Z_1\left(Z_2Z_5g_m - Z_2 + Z_5\right)}{2Z_1Z_2g_m + 4Z_1 + Z_2 + Z_5}$$