Filter Summary Report: CG,TIA,simple,Z1,Z3,Z4

Generated by MacAnalog-Symbolix

January 17, 2025

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$10.42 \text{INVALID-ORDER-} 42 \ Z(s) = \left(R_1, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right) \dots $	28
10.43INVALID-ORDER-43 $Z(s) = \left(R_1, \infty, \frac{L_3s}{C_3L_3s^2+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$	29
$10.44 \text{INVALID-ORDER-} 44 \ Z(s) = \left(R_1, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) \ \dots $	29
$10.45 \text{INVALID-ORDER-} 45 \ Z(s) = \left(R_1, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty \right) \dots $	29
$10.46 \text{INVALID-ORDER-} 46 \ Z(s) = \left(R_1, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \infty, \ \infty\right) $	29
10.47INVALID-ORDER-47 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$	29
10.48INVALID-ORDER-48 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	29
10.49INVALID-ORDER-49 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	29
10.50INVALID-ORDER-50 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$	29
10.51INVALID-ORDER-51 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	29
10.52INVALID-ORDER-52 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$	5 0
10.53INVALID-ORDER-53 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$	30
$10.54 \text{INVALID-ORDER-54 } Z(s) = \left(R_1, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty \right) $	30
10.55INVALID-ORDER-55 $Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	30
10.56INVALID-ORDER-56 $Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	30
$10.57 \text{INVALID-ORDER-57 } Z(s) = \left(R_1, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty \right) $	30
$10.58 \text{INVALID-ORDER-58 } Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$	
$10.59INVALID-ORDER-59 \ Z(s) = \left(R_1, \ \infty, \ \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \ \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \ \infty, \ \infty\right) $	
10.60INVALID-ORDER-60 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{1}{C_4s}, \infty, \infty\right)$	
10.61INVALID-ORDER-61 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)$;1
$10.62 \text{INVALID-ORDER-62 } Z(s) = \left(R_1, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty \right) $;1
$10.63 \text{INVALID-ORDER-63 } Z(s) = \left(R_1, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ L_4 s + \frac{1}{C_4 s}, \ \infty, \ \infty \right) $	1
$10.64 \text{INVALID-ORDER-} 64 \ Z(s) = \left(R_1, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right)' \dots \dots$	1
$10.65 \text{INVALID-ORDER-} 65 \ Z(s) = \left(R_1, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty \right) $	
$10.66 \text{INVALID-ORDER-} 66 \ Z(s) = \left(R_1, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $	31
$10.67 \text{INVALID-ORDER-} 67 \ Z(s) = \left(R_1, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right) $	31
$10.68 \text{INVALID-ORDER-} 68 \ Z(s) = \left(R_1, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $	
10.69INVALID-ORDER-69 $Z(s) = \left(R_1, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty\right)$	
10.70INVALID-ORDER-70 $Z(s) = \left(R_1, \infty, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)$	32

10.71INVALID-ORDER-71 $Z(s) = \left(R_1, \infty, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$	3:
10.72INVALID-ORDER-72 $Z(s) = \left(R_1, \infty, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$	3:
10.73INVALID-ORDER-73 $Z(s) = \left(R_1, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)$	35
10.74INVALID-ORDER-74 $Z(s) = \left(R_1, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$	35
10.75INVALID-ORDER-75 $Z(s) = \left(R_1, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)$	35
$10.76 \text{INVALID-ORDER-} 76 \ Z(s) = \left(R_1, \ \infty, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty \right) $	35
$10.77 \text{INVALID-ORDER-77 } Z(s) = \left(R_1, \infty, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)^{\prime} \dots \dots$	3:
10.78INVALID-ORDER-78 $Z(s) = (L_1 s, \infty, R_3, R_4, \infty, \infty)$	3:
10.79INVALID-ORDER-79 $Z(s) = \left(L_1 s, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	33
10.80INVALID-ORDER-80 $Z(s) = \left(L_1 s, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)'$	3:
10.81INVALID-ORDER-81 $Z(s) = \left(L_1 s, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	33
$10.82 \text{INVALID-ORDER-82 } Z(s) = \left(L_1 s, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right) \dots \dots$	3
$10.83 \text{INVALID-ORDER-83 } Z(s) = \left(L_1 s, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$	3
10.84INVALID-ORDER-84 $Z(s) = (L_1 s, \infty, R_3, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty)$	33
10.85INVALID-ORDER-85 $Z(s) = (L_1 s, \infty, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \infty, \infty)$	3
10.86INVALID-ORDER-86 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_4 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	3
10.87INVALID-ORDER-87 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_4 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)'$	3
10.88INVALID-ORDER-88 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	3
10.89INVALID-ORDER-89 $Z(s) = \left(L_1 s, \infty, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$	3
10.90INVALID-ORDER-90 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$	3
10.91INVALID-ORDER-91 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)'$	3
10.92INVALID-ORDER-92 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)'$	3^{ι}
10.93INVALID-ORDER-93 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s+1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	
10.94INVALID-ORDER-94 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_2 R_3 s+1}, \frac{L_4 s}{C_4 L a s^2+1}, \infty, \infty\right)'$	3
10.95INVALID-ORDER-95 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_2 R_3 s+1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	
10.96INVALID-ORDER-96 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$	
$(23R_3S+1) C_4L_4R_4S+L_4S+R_4)$ $10.97INVALID-ORDER-97 Z(s) = \left(L_1s, \infty, \frac{R_3}{C_4R_3s+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)$	
$10.98 \text{INVALID-ORDER-98 } Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right) \dots $	
10.99INVALID-ORDER-99 $Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$	3
10.10 0 NVALID-ORDER-100 $Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	3
10.10INVALID-ORDER-101 $Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)'$	3
10.10 2 NVALID-ORDER-102 $Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	
10.10 2 3 NVALID-ORDER-103 $Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$	3
$ (L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty) $ $ 10.10 \text{ Invalidation} $	
$10.10 \text{ Invalid-order} \ Z(s) = \left(L_1 s, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ \dots $	
10.10 CNVALID-ORDER-106 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_2 s}, R_4, \infty, \infty\right)$	3
10.10 TNVALID-ORDER-107 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$	36

$10.10 \text{\&NVALID-ORDER-} 108 \ Z(s) = \left(L_1 s, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ \dots $
10.10 NVALID-ORDER-109 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.11 0 NVALID-ORDER-110 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.11INVALID-ORDER-111 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.112NVALID-ORDER-112 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.11 2 NVALID-ORDER-113 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.11 INVALID-ORDER-114 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.11 INVALID-ORDER-115 $Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$
10.116NVALID-ORDER-116 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$
10.11TNVALID-ORDER-117 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$
10.11 NVALID-ORDER-118 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.11 9 NVALID-ORDER-119 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.12 0 NVALID-ORDER-120 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.12INVALID-ORDER-121 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.12 2 NVALID-ORDER-122 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.12 \text{BNVALID-ORDER-123} \ Z(s) = \left\langle L_1 s, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty \right\rangle \dots $
10.12\(\text{INVALID-ORDER-124}\(Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty, \infty\right)\)
$10.125 \text{NVALID-ORDER-} 125 \ Z(s) = \left(L_1 s, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty \right) \ \dots $
10.12 NVALID-ORDER-126 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$
$10.12\text{INVALID-ORDER-}127\ Z(s) = \left(L_1s,\ \infty,\ L_3s + R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ \infty,\ \infty\right)$
$10.12 \$NVALID-ORDER-128 \ Z(s) = \left(L_1s, \ \infty, \ L_3s + R_3 + \frac{1}{C_4R_4s+1}, \ \infty, \ \infty\right) $
10.12 NVALID-ORDER-129 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_4 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.13 0 NVALID-ORDER-130 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.13INVALID-ORDER-131 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)'$ 10.13INVALID-ORDER-132 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.132NVALID-ORDER-132 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.13 NVALID-ORDER-133 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.13 INVALID-ORDER-134 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.13 INVALID-ORDER-135 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$
10.136NVALID-ORDER-136 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)$
$10.13\text{INVALID-ORDER-}137 \ Z(s) = \left(L_{1}s, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}, \ \frac{1}{C_{4}s}, \ \infty, \ \infty\right) $ $10.13\text{INVALID-ORDER-}138 \ Z(s) = \left(L_{1}s, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}, \ \frac{R_{4}}{C_{4}R_{4}s + 1}, \ \infty, \ \infty\right) $
10.13 NVALID-ORDER-138 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.13 NVALID-ORDER-139 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.14 Q NVALID-ORDER-140 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.14INVALID-ORDER-141 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)'$
10.142NVALID-ORDER-142 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.14 \text{ENVALID-ORDER-} 143 \ Z(s) = \left\langle L_1 s, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty \right\rangle \dots $
$10.14 \text{ENVALID-ORDER-} 142 \ Z(s) = \left(L_{1}s, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}, \ L_{4}s + R_{4} + \frac{1}{C_{4}s}, \ \infty, \ \infty \right) $ $10.14 \text{ENVALID-ORDER-} 143 \ Z(s) = \left(L_{1}s, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}, \ \frac{L_{4}R_{4}s}{C_{4}L_{4}R_{4}s^{2} + L_{4}s + R_{4}}, \ \infty, \ \infty \right) $ $10.14 \text{ENVALID-ORDER-} 144 \ Z(s) = \left(L_{1}s, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}, \ \frac{C_{4}L_{4}R_{4}s^{2} + L_{4}s + R_{4}}{C_{4}L_{4}R_{4}s^{2} + L_{4}s + R_{4}}, \ \infty, \ \infty \right) $
10.14 INVALID-ORDER-145 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 (C_4 L_4 s + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$
10.146NVALID-ORDER-146 $Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$

10.14¶NVALID-ORDER-147 $Z(s) = \left(L_1 s\right)$	$(x, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{1}{C_4s}, \infty, \infty)$. 40
10.14\(\) NVALID-ORDER-148 $Z(s) = \left(L_1 s \right)$	$\left(\frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty \right)$. 40
	$(R, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, R_4 + \frac{1}{C_4s}, \infty, \infty)$. 40
\	$(x, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s+\frac{1}{C_4s}, \infty, \infty)$. 40
	$(x, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty)$. 40
\	$(x, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty)$. 40
2	$(x, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty)$. 40
	$(x, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty)$. 40
10.15 NVALID-ORDER-155 $Z(s) = \left(L_1 s\right)$	$S_{1} = \left(\frac{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}{C_{3}L_{3}s^{2} + 1}, \frac{R_{4}\left(C_{4}L_{4}s^{2} + 1\right)}{C_{4}L_{4}s^{2} + C_{4}R_{4}s + 1}, \infty, \infty \right)$. 40
	$G_{3}, \infty, \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, R_{4}, \infty, \infty$. 41
10.15 T NVALID-ORDER-157 $Z(s) = \left(L_1 s\right)$	$C_{3}, \infty, \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \frac{1}{C_{4}s}, \infty, \infty $. 41
10.15\(\text{NVALID-ORDER-158} \) $Z(s) = \left(L_1 s \right)$	$C_{3}, \infty, \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \frac{R_{4}}{C_{4}R_{4}s+1}, \infty, \infty $. 41
10.15 9 NVALID-ORDER-159 $Z(s) = L_1 s$	$R_{3}(S_{3},S_{3},S_{4},S_{3},S_{4},S_{3},S_{4},S_{4},S_{4},S_{4},S_{4},S_{5$. 41
10.16 0 NVALID-ORDER-160 $Z(s) = \left(L_1 s\right)$	$C_{3}, \infty, rac{R_{3}\left(C_{3}L_{3}s^{2}+1 ight)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, L_{4}s+rac{1}{C_{4}s}, \infty, \infty ight) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $. 41
10.16 I NVALID-ORDER-161 $Z(s) = (L_1 s)$	$(S, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty)$. 41
10.16 2 NVALID-ORDER-162 $Z(s) = (L_1 s)$	$(s, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty)$. 41
10.16 2 NVALID-ORDER-163 $Z(s) = (L_1 s)$	$(S, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty)$. 41
10.164NVALID-ORDER-164 $Z(s) = L_1 s$	$(S, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty)$. 41
10.16 INVALID-ORDER-165 $Z(s) = (L_1 s)$	$C_{3}, \infty, \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \frac{R_{4}\left(C_{4}L_{4}s^{2}+1\right)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \infty, \infty \right)^{2}$. 42
10.16 NVALID-ORDER-166 $Z(s) = \left(\frac{1}{C_1 s}\right)$. 42
10.16 TNVALID-ORDER- $167~Z(s) = \left(\frac{1}{C_1 s}\right)$	$(1, \infty, R_3, L_4s + \frac{1}{C_4s}, \infty, \infty)$. 42
10.16\(\) NVALID-ORDER-168 $Z(s) = \left(\frac{1}{C_1 s} \right)$	$, \infty, R_3, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty \Big)'$. 42
10.16 9 NVALID-ORDER-169 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$(1, \infty)$, $(2, 0, \infty)$, $(2, 0,$. 42
10.17 0 NVALID-ORDER-170 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$(8, 8, R_3, \frac{L_4R_{4s}}{C_4L_4R_{4s}^2 + L_4s + R_4}, \infty, \infty)$. 42
	$(8, 8, R_3, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty)$	
	$(x, \infty, R_3, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty)$	
10.17 8 NVALID-ORDER-173 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$, \infty, rac{1}{C_3 s}, rac{1}{C_4 s}, \infty, \infty \Big)$. 42
10.174 NVALID-ORDER-174 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$, \infty, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \infty, \infty$. 42
10.17 INVALID-ORDER-175 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$(x, \infty, \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty)$. 43
	$(1, \infty, \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty)$	
10.17 INVALID-ORDER-177 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$(1, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty)$. 43
10.178NVALID-ORDER-178 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$(1, \infty, \frac{1}{C_{3s}}, \frac{L_4R_{4s}}{C_4L_4R_{4s}^2 + L_4s + R_4}, \infty, \infty)$. 43
10.179NVALID-ORDER-179 $Z(s) = \left(\frac{1}{C_1 s}\right)$	$(1, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty)$. 43
	$\frac{1}{C_3 s}, \; \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \; \infty, \; \infty \right)$	
10.18INVALID ORDER 181. $7(e) = \begin{pmatrix} 1 \\ -1 \end{pmatrix}$		
10.10HVVALID-ORDER-101 $Z(s) = \left(\frac{C_1 s}{C_1 s}\right)$	$(1, \infty, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \infty, \infty)$,, $(2, \frac{R_3}{C_3R_3s+1}, L_4s + \frac{1}{C_4s}, \infty, \infty)$,, $(3, \frac{R_3}{C_3R_3s+1}, L_4s + \frac{1}{C_4s}, \infty, \infty)$. 43

10.18 INVALID-ORDER-183 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s+1}, \frac{L_4 s}{C_4 L_4 s^2+1}, \infty, \infty\right)$
10.184NVALID-ORDER-184 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s+1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.18 INVALID-ORDER-185 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s+1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.186NVALID-ORDER-186 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s+1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
$10.18 \text{INVALID-ORDER-} 187 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4 \left(C_4 L_4 s^2+1\right)}{C_4 L_4 s^2 + C_4 R_4 s+1}, \ \infty, \ \infty\right) $
10.18 NVALID-ORDER-188 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$
10.18 Q NVALID-ORDER-189 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.19 0 NVALID-ORDER-190 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.19INVALID-ORDER-191 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.192NVALID-ORDER-192 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.19 E NVALID-ORDER-193 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.19\(\text{INVALID-ORDER-194}\) $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.19 INVALID-ORDER-195 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
$10.19 \text{ (ENVALID-ORDER-196 } Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
$10.19 \text{INVALID-ORDER-} 197 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ R_4, \ \infty, \ \infty\right) \dots $
$10.19 \&NVALID-ORDER-198 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \infty, \ \infty\right) \qquad . \qquad $
10.19 9 NVALID-ORDER-199 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.20 0 NVALID-ORDER-200 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.20INVALID-ORDER-201 $Z(s) = \left(\frac{1}{C_{1s}}, \infty, L_3s + \frac{1}{C_{3s}}, L_4s + \frac{1}{C_{4s}}, \infty, \infty\right)$
$10.20 \text{ 2NVALID-ORDER-} 202 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) \qquad . \qquad $
$10.20 \text{ \& NVALID-ORDER-} 203 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \infty, \ L_3s + \frac{1}{C_{3s}}, \ L_4s + R_4 + \frac{1}{C_{4s}}, \ \infty, \ \infty\right) $
10.20\(\text{4NVALID-ORDER-204}\(Z(s) = \left(\frac{1}{C_1 s}\), \(\infty, L_3 s + \frac{1}{C_3 s}\), \(\frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}\), \(\infty, \infty\)
10.20 INVALID-ORDER-205 $Z(s) = \left(\frac{1}{C_{1}s}, \infty, L_{3}s + \frac{1}{C_{3}s}, \frac{C_{4}L_{4}R_{4}s^{2} + L_{4}s + R_{4}}{C_{4}L_{4}s^{2} + 1}, \infty, \infty\right)$
$10.20 \text{ (ENVALID-ORDER-206 } Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
10.20 T NVALID-ORDER-207 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$
$10.20 \text{\&nvalid-order} \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{1}{C_4 s}, \ \infty, \ \infty\right) \dots $
10.20 9 NVALID-ORDER-209 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.21 INVALID-ORDER-210 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.21INVALID-ORDER-211 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.212\text{NVALID-ORDER-}212\ Z(s) = \left(\frac{1}{C_1 s},\ \infty,\ \frac{L_3 s}{C_3 L_3 s^2 + 1},\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \infty,\ \infty\right)' \ \dots $
$10.21 \text{ @NVALID-ORDER-} 213 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) $
10.21 INVALID-ORDER-214 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.21 INVALID-ORDER-215 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
$10.21 \text{ ENVALID-ORDER-} 216 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
$10.21 \text{ INVALID-ORDER-} 217 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ R_4, \ \infty, \ \infty \right) $
$10.21 \text{\&NVALID-ORDER-} 218 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \infty, \ \infty\right) \qquad . \qquad \qquad 47$
10.21 9 NVALID-ORDER-219 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.22 0 NVALID-ORDER-220 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ 47
10.22INVALID-ORDER-221 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$10.22 \text{ 2NVALID-ORDER-} 222 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) \dots $	47
10.22\(\text{INVALID-ORDER-223} \(Z(s) = \left(\frac{1}{C_1 s}, \infty, \infty, \left(L_3 s + R_3 + \frac{1}{C_4 s}, \infty, \infty, \infty \right) \)	47
10.22 INVALID-ORDER-224 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$	48
10.22 INVALID-ORDER-225 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$	48
$10.22 \text{ (INVALID-ORDER-226 } Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	48
$10.22 \text{TNVALID-ORDER-} 227 \ Z(s) = \left(\underbrace{\frac{1}{C_1 s}}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ R_4, \ \infty, \ \infty \right) \ \dots \ $	48
$10.22 \text{\&NVALID-ORDER-} 228 \ Z(s) = \left(\frac{1}{C_{1}s}, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}, \ \frac{1}{C_{4}s}, \ \infty, \ \infty\right) \qquad . \qquad $	48
$10.22 \text{ 9} \text{NVALID-ORDER-} 229 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ \dots $	48
10.23 INVALID-ORDER-230 $Z(s) = \left(\frac{1}{C_{1s}}, \infty, \frac{L_3 R_{3s}}{C_3 L_3 R_{3s}^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	48
10.23INVALID-ORDER-231 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	48
$10.232\text{NVALID-ORDER-}232\ Z(s) = \left(\frac{1}{C_{1}s},\ \infty,\ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}},\ \frac{L_{4}s}{C_{4}L_{4}s^{2} + 1},\ \infty,\ \infty\right)$	48
$10.23 \text{ENVALID-ORDER-} 233 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	48
$10.23 \text{ INVALID-ORDER-} 234 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $	49
10.23 INVALID-ORDER-235 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$	49
$10.23 \text{ (INVALID-ORDER-236 } Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) \dots $	49
10.23 T NVALID-ORDER-237 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$	49
10.23\(\text{NVALID-ORDER-238} \(Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty \)	49
10.23 9 NVALID-ORDER-239 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$	49
10.240NVALID-ORDER-240 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	49
10.24INVALID-ORDER-241 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$	49
$10.242\text{NVALID-ORDER-}242\ Z(s) = \left(\frac{1}{C_1s}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right) $	49
10.24\(\text{BNVALID-ORDER-243}\(Z(s) = \left(\frac{1}{C_1 s}\), \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}\), \(L_4 s + R_4 + \frac{1}{C_4 s}\), \(\infty\)	49
10.24\(\text{INVALID-ORDER-244}\(Z(s) = \binom{1}{C_{1s}}, \infty, \frac{C_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}{C_{3}L_{3}s^{2} + 1}, \frac{L_{4}R_{4}s}{C_{4}L_{4}R_{4}s^{2} + L_{4}s + R_{4}}, \infty, \infty\)	50
$10.245 \text{NVALID-ORDER-} 245 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $	50
$10.246 \text{NVALID-ORDER-} 246 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $	
$10.24 \text{ INVALID-ORDER-} 247 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ R_4, \ \infty, \ \infty\right) \dots $	
10.24\(\text{8NVALID-ORDER-248}\(Z(s) = \bigg(\frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1 \right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty \frac{1}{C_4 s}, \infty, \infty \frac{1}{C_4 s} \end{array} \tag{0.5}	50
$10.24 \text{ (NVALID-ORDER-249 } Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$	50
10.25 0 NVALID-ORDER-250 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$	
$10.25 \text{INVALID-ORDER-} 251 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ L_4 s + \frac{1}{C_4 s}, \ \infty, \ \infty\right) $	50
$10.25 \text{2NVALID-ORDER-} 252 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) \ \dots $	
$10.25 \text{BNVALID-ORDER-} 253 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \dots $	
$10.25 \text{ 1 NVALID-ORDER-} 254 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) \qquad . $	51
$10.25 \text{INVALID-ORDER-} 255 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1 \right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right) $	51
$10.256 \text{NVALID-ORDER-} 256 \ Z(s) = \left(\frac{1}{C_1 s}, \ \infty, \ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{R_4\left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $	51
$10.25 \text{INVALID-ORDER-} 257 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ R_3, \ R_4, \ \infty, \ \infty\right) \qquad . \qquad $	51

10.25 NVALID-ORDER-258 $Z(s) = \left(\frac{R_1}{C_1R_2+1}, \infty, R_3, L_4s + \frac{1}{C_1s}, \infty, \infty\right)$
$10.25 \text{@NVALID-ORDER-} 259 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ R_3, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
10.26 DNVALID-ORDER-260 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.26 \text{INVALID-ORDER-} 261 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ R_3, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $
$10.26 \text{ 2NVALID-ORDER-} 262 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ R_3, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
$10.26 \text{NVALID-ORDER-} 263 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ R_3, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right)' $
$10.26 \text{ INVALID-ORDER-} 264 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \infty, \ \infty\right) $
$10.26 \text{ Invalid-order-} 265 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \qquad . \qquad $
10.26 6 NVALID-ORDER-266 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.26 \text{INVALID-ORDER-} 267 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
10.26\(\text{8NVALID-ORDER-268} \(Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty, \infty \right) \] \tag{52}
10.26 NVALID-ORDER-269 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.27 NVALID-ORDER-270 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
$10.27 \text{INVALID-ORDER-} 271 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
10.272NVALID-ORDER-272 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.27\$NVALID-ORDER-273 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.27 INVALID-ORDER-274 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.27 INVALID-ORDER-275 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.276 \text{NVALID-ORDER-} 276 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $
$10.27\text{INVALID-ORDER-}277\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \infty,\ \frac{R_3}{C_3R_3s+1},\ \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1},\ \infty,\ \infty\right) $
$10.27 \$NVALID-ORDER-278 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty\right) \ \dots $
10.27 9 NVALID-ORDER-279 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$
10.28 INVALID-ORDER-280 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.28INVALID-ORDER-281 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.282NVALID-ORDER-282 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.28 INVALID-ORDER-283 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.28\PVALID-ORDER-284 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.28 \text{INVALID-ORDER-} 285 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \stackrel{\checkmark}{\infty}\right) \ \dots $
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$10.28\text{INVALID-ORDER-}287 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
$10.28 \text{NVALID-ORDER-} 288 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ R_4, \ \infty, \ \infty\right) \qquad \qquad$
10.28 QNVALID-ORDER-289 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$
10.29 INVALID-ORDER-290 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.29INVALID-ORDER-291 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \stackrel{'}{\infty}\right)$
$10.29 \text{ PNVALID-ORDER-} 292 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ L_4 s + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \dots $
$10.29 \text{RNVALID-ORDER-} 293 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right)' \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
10.294NVALID-ORDER-294 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$
$10.29 \text{INVALID-ORDER-} 294 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) $ $10.29 \text{INVALID-ORDER-} 295 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $ 55
$10.29 \text{ (NVALID-ORDER-296 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $ 55

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10.29TNVALID-ORDER-297 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.29\( \text{NVALID-ORDER-298} \( Z(s) = \left( \frac{R_1}{C_1 R_1 s + 1}, \infty \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ R_4, \infty, \infty \infty \)
10.299NVALID-ORDER-299 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right) . . . . .
10.30 NVALID-ORDER-300 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right).
10.30INVALID-ORDER-301 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.302NVALID-ORDER-302 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                  \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{L_3s}{C_2L_2s^2+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right) ....
10.304NVALID-ORDER-304 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.30 INVALID-ORDER-305 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.306NVALID-ORDER-306 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.30TNVALID-ORDER-307 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.309NVALID-ORDER-309 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)...
10.310NVALID-ORDER-310 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.31INVALID-ORDER-311 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right) \dots
10.312NVALID-ORDER-312 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.313NVALID-ORDER-313 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots
10.31\(\text{INVALID-ORDER-314}\(Z(s) = \left(\frac{R_1}{C_1R_1s+1}\), \infty, \(L_3s + R_3 + \frac{1}{C_2s}\), \(L_4s + R_4 + \frac{1}{C_4s}\), \(\infty\), \(\infty\)
10.31 INVALID-ORDER-315 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.316NVALID-ORDER-316 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.31 INVALID-ORDER-317 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \right)
10.31 NVALID-ORDER-318 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_2 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right) . . . . . . .
10.319NVALID-ORDER-319 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right) \dots
10.320NVALID-ORDER-320 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.32INVALID-ORDER-321 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.322NVALID-ORDER-322 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.32\(\text{NVALID-ORDER-323}\) Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \, \infty, \, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \, \infty, \, \infty\right)
10.324NVALID-ORDER-324 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_2L_2R_2s^2+L_2s+R_2}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.32 INVALID-ORDER-325 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.326 \text{NVALID-ORDER-} 326 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right)
                                                                    \left(\frac{R_1}{C_1R_1s+1}, \, \infty, \, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \, \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \, \infty, \, \infty\right)
10.32\( \text{NVALID-ORDER-328} \( Z(s) = \left( \frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ R_4, \infty, \infty \)
10.329NVALID-ORDER-329 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_2 L_2 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
10.33@NVALID-ORDER-330 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.33INVALID-ORDER-331 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.332 \text{NVALID-ORDER-} 332 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ L_4 s + \frac{1}{C_4 s}, \ \infty, \ \infty\right)
10.33 \text{ ENVALID-ORDER-333 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right)
10.334NVALID-ORDER-334 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.33 \text{INVALID-ORDER-335} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right)
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10.33 \text{ INVALID-ORDER-336 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right)
                                                                      \left(\frac{R_1}{C_1R_1s+1}, \, \infty, \, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \, R_4, \, \infty, \, \infty\right)
                                                                      \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty\right)
10.339NVALID-ORDER-339 Z(s) =
                                                                       \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
10.340NVALID-ORDER-340 Z(s) =
                                                                      \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.34INVALID-ORDER-341 Z(s) =
                                                                      \frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s+\frac{1}{C_4s}, \infty, \infty
10.342NVALID-ORDER-342 Z(s) =
                                                                       \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)^2
10.34BNVALID-ORDER-343 Z(s) =
                                                                       \frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty
10.344NVALID-ORDER-344 Z(s) =
10.345NVALID-ORDER-345 Z(s) =
                                                                      (\frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty)
                                                                      \left\langle \frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left( C_3 L_3 s^2 + 1 \right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4 \left( C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1} \right\rangle
10.348NVALID-ORDER-348 Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \infty, R_3, R_4, \infty, \infty\right) \dots
10.349NVALID-ORDER-349 Z(s) = \left(R_1 + \frac{1}{C_{18}}, \infty, R_3, L_4 s + \frac{1}{C_{48}}, \infty, \infty\right).
10.350NVALID-ORDER-350 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) . . . .
10.35INVALID-ORDER-351 Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_{4s}}, \infty, \infty\right)
10.352NVALID-ORDER-352 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.35RNVALID-ORDER-353 Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \infty, R_3, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
10.354NVALID-ORDER-354 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.35 INVALID-ORDER-355 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_2 s}, \frac{1}{C_2 s}, \infty, \infty\right) \dots
10.35 NVALID-ORDER-356 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right).
10.35 INVALID-ORDER-357 Z(s) = \left(R_1 + \frac{1}{C_{18}}, \infty, \frac{1}{C_{28}}, L_4 s + \frac{1}{C_{48}}, \infty, \infty\right)
10.35\( \text{NVALID-ORDER-358} \( Z(s) = \left( R_1 + \frac{1}{C_{1s}}, \, \infty, \, \frac{1}{C_{2s}}, \, \frac{L_{4s}}{C_4 L_4 s^2 + 1}, \, \infty, \, \infty \right) ...
10.359NVALID-ORDER-359 Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \infty, \frac{1}{C_{2s}}, L_4 s + R_4 + \frac{1}{C_{1s}}, \infty, \infty\right)
10.360NVALID-ORDER-360 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.36INVALID-ORDER-361 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.362NVALID-ORDER-362 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.36 INVALID-ORDER-363 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.364NVALID-ORDER-364 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.36 INVALID-ORDER-365 Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \infty, \frac{R_3}{C_3 R_{3s+1}}, \frac{L_{4s}}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.36 INVALID-ORDER-366 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.36TNVALID-ORDER-367 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.36\( \text{NVALID-ORDER-368} \( Z(s) = \left( R_1 + \frac{1}{C_1 s}, \, \infty, \, \frac{R_3}{C_3 R_3 s + 1}, \, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \, \infty, \, \infty \right) 
10.369NVALID-ORDER-369 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.370NVALID-ORDER-370 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right).
10.37INVALID-ORDER-371 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
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10.372NVALID-ORDER-372 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ 63
10.37\$NVALID-ORDER-373 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ 63
10.37\(\text{INVALID-ORDER-374}\(Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty \right) \right) \qquad (63)
10.37\(\text{INVALID-ORDER-375}\(Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty \right) \tag{63}\\ \tag{63}\)
10.376NVALID-ORDER-376 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ 63
10.37¶NVALID-ORDER-377 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ 64
10.37 NVALID-ORDER-378 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$
10.37 9 NVALID-ORDER-379 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$
10.38@NVALID-ORDER-380 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$
10.38INVALID-ORDER-381 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.382NVALID-ORDER-382 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ 64
10.38 RNVALID-ORDER-383 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.38\(\text{ANVALID-ORDER-384}\(Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \infty, L_3s + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty \right) \] \tag{64}
10.38 INVALID-ORDER-385 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ 64
10.38 C NVALID-ORDER-386 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.38FNVALID-ORDER-387 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
$10.38 \text{NVALID-ORDER-388 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ L_3 s + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty \right) $
10.38 NVALID-ORDER-389 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$ 65
10.39@NVALID-ORDER-390 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$ 65
10.39INVALID-ORDER-391 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ 65
10.392NVALID-ORDER-392 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.39 NVALID-ORDER-393 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ 65
10.39\(\text{anvalid-ORDER-394}\(Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \infty, \frac{L_{3s}}{C_3L_{3s}^2 + 1}, \frac{L_{4s}}{C_4L_4s^2 + 1}, \infty, \infty \right) \] \tag{55}
$10.39 \text{ INVALID-ORDER-395 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) $
$10.39 \text{ 6NVALID-ORDER-396 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right) $
$10.39 \text{INVALID-ORDER-} 397 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
$10.39 \$NVALID-ORDER-398 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ \dots $
10.39 Q NVALID-ORDER-399 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$
10.40@NVALID-ORDER-400 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$
10.40INVALID-ORDER-401 $Z(s) = (R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty)$ 66 10.40INVALID-ORDER-402 $Z(s) = (R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty)$ 66
10.40 SNVALID-ORDER-403 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.404NVALID-ORDER-404 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ 67
10.40 INVALID-ORDER-405 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ 67
$10.40 \text{ (6NVALID-ORDER-406 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $
$10.40 \text{INVALID-ORDER-} 407 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ L_3 s + R_3 + \frac{1}{C_3 s}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) \ \dots $
10.40 NVALID-ORDER-408 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$ 67
10.40 9 NVALID-ORDER-409 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)$
$10.41 \text{@NVALID-ORDER-}410 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{1}{C_4 s}, \ \infty, \ \infty\right) $

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10.41INVALID-ORDER-411 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.412NVALID-ORDER-412 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.41ENVALID-ORDER-413 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.414NVALID-ORDER-414 Z(s) = (R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty) . . . . . . .
10.41 INVALID-ORDER-415 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right).
10.416NVALID-ORDER-416 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.41 \text{ INVALID-ORDER-} 417 \ Z(s) = \left( R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right)
10.41\( \text{NVALID-ORDER-418} \( Z(s) = \left( R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left( C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty, \infty \right) \)
10.419NVALID-ORDER-419 Z(s) = \left(R_1 + \frac{1}{C_{18}}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_2L_2s^2 + 1}, R_4, \infty, \infty\right) . . . . . . . . . . . .
10.420NVALID-ORDER-420 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right) . . .
10.42INVALID-ORDER-421 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.422NVALID-ORDER-422 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.42\text{INVALID-ORDER-423} Z(s) = \left( R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty \right)
10.424NVALID-ORDER-424 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) . . . . . . .
10.42 INVALID-ORDER-425 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.426NVALID-ORDER-426 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.42 \text{TNVALID-ORDER-} 427 \ Z(s) = \left( R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right)
10.42\( \text{NVALID-ORDER-428} \( Z(s) = \left( R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty, \infty \)
10.429NVALID-ORDER-429 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right) . . . . . . . . . . . .
10.43 INVALID-ORDER-430 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right).
10.43INVALID-ORDER-431 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.432NVALID-ORDER-432 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.43ENVALID-ORDER-433 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.43 INVALID-ORDER-435 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.436NVALID-ORDER-436 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.43 \text{ INVALID-ORDER-} 437 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right)
10.43\( \text{NVALID-ORDER-438} \) Z(s) = \left( R_1 + \frac{1}{C_1 s}, \, \infty, \, \frac{R_3 \left( C_3 L_3 s^2 + 1 \right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \, \frac{R_4 \left( C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \, \infty, \, \infty \right) 
10.439NVALID-ORDER-439 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right) \ldots \ldots
10.440NVALID-ORDER-440 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right) . . .
10.44INVALID-ORDER-441 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right) \dots
10.442NVALID-ORDER-442 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right) . . .
10.44\(\mathbb{R}\)NVALID-ORDER-443 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \, \infty, \, R_3, \, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \, \infty, \, \infty\right) \, \ldots \, \ldots \, .
10.44\(\text{4NVALID-ORDER-444}\(Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\)
10.44\( \) NVALID-ORDER-445\( Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty, \infty \right) \quad \tag{\cdot \tag{.}}
10.446NVALID-ORDER-446 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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10.44 INVALID-ORDER-447 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.44\( \text{NVALID-ORDER-448} \( Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \, \infty, \, \frac{1}{C_3 s}, \, R_4, \, \infty, \, \infty \right) \dots
10.449NVALID-ORDER-449 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right) . . . . .
10.450NVALID-ORDER-450 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right).
10.45INVALID-ORDER-451 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.452NVALID-ORDER-452 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right).
10.45 NVALID-ORDER-453 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) . . .
10.454NVALID-ORDER-454 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.45 INVALID-ORDER-455 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_2 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.45 INVALID-ORDER-456 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_2 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.45TNVALID-ORDER-457 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.45\( \text{NVALID-ORDER-458} \( Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \, \infty, \, \frac{R_3}{C_2 R_2 s + 1}, \, R_4, \, \infty, \, \infty \right) \quad \dots \quad \dots
10.459NVALID-ORDER-459 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right).
10.460NVALID-ORDER-460 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_2 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.46INVALID-ORDER-461 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right).
10.462NVALID-ORDER-462 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.46 INVALID-ORDER-463 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_2 R_2 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots
10.464NVALID-ORDER-464 Z(s) = \left(L_1 s + \frac{1}{C_{1.8}}, \infty, \frac{R_3}{C_2 R_2 s + 1}, L_4 s + R_4 + \frac{1}{C_{4.8}}, \infty, \infty\right).
10.46 INVALID-ORDER-465 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.46 INVALID-ORDER-466 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_2 R_2 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.46TNVALID-ORDER-467 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \right)
10.469NVALID-ORDER-469 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \infty, \infty\right) . . .
10.470NVALID-ORDER-470 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right).
10.47INVALID-ORDER-471 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.472NVALID-ORDER-472 Z(s) = \left(L_1 s + \frac{1}{C_{18}}, \infty, R_3 + \frac{1}{C_{28}}, L_4 s + \frac{1}{C_{48}}, \infty, \infty\right)
10.47\( \text{NVALID-ORDER-473} \( Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \infty \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty \infty, \infty \infty \) \quad \tag{2.5}
10.47\(\text{INVALID-ORDER-474}\) Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \, \infty, \, R_3 + \frac{1}{C_2 s}, \, L_4 s + R_4 + \frac{1}{C_4 s}, \, \infty, \, \infty\right)
10.47\ INVALID-ORDER-475 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.476NVALID-ORDER-476 Z(s) = (L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty)
10.47 INVALID-ORDER-477 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.47\( \text{NVALID-ORDER-478} \) Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \, \infty, \, L_3 s + \frac{1}{C_2 s}, \, R_4, \, \infty, \, \infty \right) \quad \dots
10.479NVALID-ORDER-479 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \infty, \infty\right)...
10.480NVALID-ORDER-480 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.48INVALID-ORDER-481 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.482NVALID-ORDER-482 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.48\ 2\ NVALID-ORDER-483 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right).
10.484NVALID-ORDER-484 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right) . . . .
10.48 INVALID-ORDER-485 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
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10.486NVALID-ORDER-486 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.48TNVALID-ORDER-487 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.48\( \text{NVALID-ORDER-488} \( Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \, \infty, \, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \, R_4, \, \infty, \, \infty \right) \quad \dots \quad \dots
10.489NVALID-ORDER-489 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right) . . .
10.49 INVALID-ORDER-490 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.49INVALID-ORDER-491 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.492NVALID-ORDER-492 Z(s) = \left(L_1 s + \frac{1}{C_{18}}, \infty, \frac{L_3 s}{C_2 L_3 s^2 + 1}, L_4 s + \frac{1}{C_{18}}, \infty, \infty\right)
10.49RNVALID-ORDER-493 Z(s) = \left(L_1 s + \frac{1}{C_{18}}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.49\(\text{INVALID-ORDER-494}\) Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \, \infty, \, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \, L_4 s + R_4 + \frac{1}{C_4 s}, \, \infty, \, \infty\right)
10.49 INVALID-ORDER-495 Z(s) = (L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty)
10.496NVALID-ORDER-496 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.49 INVALID-ORDER-497 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.49\( \text{NVALID-ORDER-498} \) Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \, \infty, \, L_3 s + R_3 + \frac{1}{C_2 s}, \, R_4, \, \infty, \, \infty \right) \quad \dots
10.499NVALID-ORDER-499 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \infty, \infty\right).
10.500NVALID-ORDER-500 Z(s) = (L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty).
10.50INVALID-ORDER-501 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.502NVALID-ORDER-502 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.50 INVALID-ORDER-503 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) . . .
10.504NVALID-ORDER-504 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.50 INVALID-ORDER-505 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.506NVALID-ORDER-506 Z(s) = (L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty)
10.50TNVALID-ORDER-507 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.50 NVALID-ORDER-508 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
10.509NVALID-ORDER-509 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
10.510NVALID-ORDER-510 Z(s) = \left(L_1 s + \frac{1}{C_{1s}}, \infty, \frac{L_3 R_3 s}{C_2 L_3 R_3 s^2 + L_2 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.51INVALID-ORDER-511 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_2 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.512NVALID-ORDER-512 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.513NVALID-ORDER-513 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_2 L_2 R_2 s^2 + L_2 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots
10.514NVALID-ORDER-514 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.51 INVALID-ORDER-515 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.516NVALID-ORDER-516 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.51TNVALID-ORDER-517 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.518NVALID-ORDER-518 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_2 L_2 s^2 + 1}, R_4, \infty, \infty\right)
10.519NVALID-ORDER-519 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
10.520NVALID-ORDER-520 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.52INVALID-ORDER-521 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.52PNVALID-ORDER-522 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.52\( \text{NVALID-ORDER-523} \( Z(s) = \left( L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty \). . . .
10.524NVALID-ORDER-524 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_2 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
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$10.525 \text{NVALID-ORDER-} 525 \ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $
$10.52 \text{ (INVALID-ORDER-526 } Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
$10.52\text{INVALID-ORDER-}527 \ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ . $
10.52\(\text{NVALID-ORDER-528} \(Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1 \right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ R_4, \infty, \infty \end{array} \right) \qqq \q
10.529NVALID-ORDER-529 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$
$10.530 \text{NVALID-ORDER-} 530 \ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ \dots $
$10.53 \text{INVALID-ORDER-531 } Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right) \dots $
$10.532\text{NVALID-ORDER-}532\ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ L_4 s + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
$10.53 \text{ENVALID-ORDER-} 533 \ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
$10.534\text{NVALID-ORDER-}534\ Z(s) = \left(L_1 s + \frac{1}{C_1 s},\ \infty,\ \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1},\ L_4 s + R_4 + \frac{1}{C_4 s},\ \infty,\ \infty\right)$
$10.53 \text{INVALID-ORDER-} 535 \ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
$10.536 \text{NVALID-ORDER-} 536 \ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) \ \dots $
$10.53 \text{INVALID-ORDER-} 537 \ Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
$10.53 \$NVALID-ORDER-538 \ Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ R_3, \ \frac{1}{C_4s}, \ \infty, \ \infty\right) \qquad . \qquad $
$10.53 \mathfrak{D} \text{NVALID-ORDER-539} \ Z(s) = \left(\underbrace{\frac{L_1 s}{C_1 L_1 s^2 + 1}}, \ \infty, \ R_3, \ \underbrace{\frac{R_4}{C_4 R_4 s + 1}}, \ \infty, \ \infty \right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $
10.540NVALID-ORDER-540 $Z(s) = \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, R_{3}, R_{4} + \frac{1}{C_{4}s}, \infty, \infty\right)$
10.54INVALID-ORDER-541 $Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, R_3, L_4s + \frac{1}{C_1s}, \infty, \infty\right)$
$10.542\text{NVALID-ORDER-}542 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ R_3, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right)'$
$10.54 \text{BNVALID-ORDER-} 543 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ R_3, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \dots $
$10.54 \text{INVALID-ORDER-} 544 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ R_3, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) \dots $
$10.54 \text{INVALID-ORDER-} 545 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ R_3, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
$10.546 \text{NVALID-ORDER-} 546 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ R_3, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
$10.54 \text{ TNVALID-ORDER-} 547 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{1}{C_3 s}, \ R_4, \ \infty, \ \infty \right) \qquad $
$10.54 \text{NVALID-ORDER-} 548 \ Z(s) = \left(\frac{L_{1s}}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \infty, \ \infty\right) \qquad . \qquad $
$10.54 \mathfrak{D} \text{NVALID-ORDER-} 549 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \dots $
10.55 0 NVALID-ORDER-550 $Z(s) = \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, \frac{1}{C_{3}s}, L_{4}s + \frac{1}{C_{4}s}, \infty, \infty\right)$
$10.55 \text{INVALID-ORDER-} 551 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right)' $
$10.552\text{NVALID-ORDER-}552 \ Z(s) = \left(\frac{L_{18}}{C_{1}L_{18}^{2}+1}, \ \infty, \ \frac{1}{C_{3s}}, \ L_{4}s + R_{4} + \frac{1}{C_{4}s}, \ \infty, \ \infty\right) $
$10.55 \text{BNVALID-ORDER-} 553 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $
$10.55 \text{INVALID-ORDER-} 554 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
$10.55 \text{INVALID-ORDER-} 555 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) \ . $
$ \begin{array}{c} \text{10.53£NVALID-ORDER-555} \ Z(s) = \left(\begin{array}{c} \overline{C_1L_1s^2+1}, \ \infty, \ \overline{C_3s}, \ \overline{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty \end{array} \right) \end{array} $
10.556NVALID-ORDER-556 $Z(s) = \left\langle \frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty \right\rangle$
$10.55 \text{INVALID-ORDER-} 557 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \infty, \ \infty\right) $
10.55\(\text{NVALID-ORDER-558} \(Z(s) = \) \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_4 R_4 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty \) \right) \tag{83}
10.55 9 NVALID-ORDER-559 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ 85
$10.56 \text{ @NVALID-ORDER-} 560 \ Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \ \infty, \ \frac{R_3}{C_3 R_3 s + 1}, \ L_4 s + \frac{1}{C_4 s}, \ \infty, \ \infty\right) \dots $

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10.56INVALID-ORDER-561 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) .....
10.562NVALID-ORDER-562 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_2 R_2 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right).
10.56\(\text{BNVALID-ORDER-563}\(Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}\), \infty, \frac{R_3}{C_3 R_3 s + 1}\), \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}\), \infty, \infty
10.564NVALID-ORDER-564 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.56 INVALID-ORDER-565 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.56 INVALID-ORDER-566 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_2 s}, R_4, \infty, \infty\right) . . . . . . .
10.56TNVALID-ORDER-567 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \infty, \infty\right) \dots \dots
10.56\( \text{NVALID-ORDER-568} \( Z(s) = \left( \frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \infty \infty, \infty \right) \)
10.569NVALID-ORDER-569 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.570NVALID-ORDER-570 Z(s) = \left(\frac{L_1 s}{C_1 L_2 s^2 + 1}, \infty, R_3 + \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.57INVALID-ORDER-571 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots
10.572NVALID-ORDER-572 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.578NVALID-ORDER-573 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.574NVALID-ORDER-574 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                  \left(\frac{L_{1s}}{C_{1}L_{1}s^{2}+1}, \infty, R_{3}+\frac{1}{C_{3}s}, \frac{R_{4}\left(C_{4}L_{4}s^{2}+1\right)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \infty, \infty\right)
10.576NVALID-ORDER-576 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_2 s}, R_4, \infty, \infty\right) \dots
10.57 INVALID-ORDER-577 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \infty, \infty\right) . . . .
10.578NVALID-ORDER-578 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)...
10.579NVALID-ORDER-579 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.580NVALID-ORDER-580 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.58INVALID-ORDER-581 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) . . . .
10.582NVALID-ORDER-582 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)...
10.58\( \text{NVALID-ORDER-583} \( Z(s) = \left( \frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty \infty, \frac{L_3 s}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty \infty, \infty \right)
10.584NVALID-ORDER-584 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.58 INVALID-ORDER-585 Z(s) = \left(\frac{L_{1s}}{C_1L_{1s}^2+1}, \infty, L_{3s} + \frac{1}{C_{3s}}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
10.586NVALID-ORDER-586 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, R_4, \infty, \infty\right) ....
10.58 INVALID-ORDER-587 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right) \dots
10.58\( \text{NVALID-ORDER-588} \( Z(s) = \left( \frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty \infty, \infty \right)
10.589NVALID-ORDER-589 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.590NVALID-ORDER-590 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.59INVALID-ORDER-591 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_2 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.592NVALID-ORDER-592 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.59\(\text{NVALID-ORDER-593}\) Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \, \infty, \, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \, \infty, \, \infty\right)
10.594NVALID-ORDER-594 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                  \left( \frac{L_{1s}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{L_{3s}}{C_{3}L_{3}s^{2}+1}, \ \frac{R_{4}\left(C_{4}L_{4}s^{2}+1\right)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \ \infty, \ \infty \right)
10.596NVALID-ORDER-596 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, R_4, \infty, \infty\right) \dots \dots
10.59 INVALID-ORDER-597 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \infty, \infty\right) . . . .
10.59 NVALID-ORDER-598 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.599NVALID-ORDER-599 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right) . . .
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10.600NVALID-ORDER-600 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right) \dots
                                                                                         \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                        \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, L_{3}s+R_{3}+\frac{1}{C_{3}s}, L_{4}s+R_{4}+\frac{1}{C_{4}s}, \infty, \infty\right)
                                                                                        \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ L_3s+R_3+\frac{1}{C_3s}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty\right)
                                                                                         \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, L_{3}s+R_{3}+\frac{1}{C_{3}s}, \frac{C_{4}L_{4}R_{4}s^{2}+L_{4}s+R_{4}}{C_{4}L_{4}s^{2}+1}, \infty, \infty\right)
                                                                                         \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ L_3s+R_3+\frac{1}{C_3s}, \ \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty\right)
10.60 INVALID-ORDER-606 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right) \dots
                                                                                       \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                       \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                        \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ R_4 + \frac{1}{C_4s}, \ \infty, \ \infty\right)
                                                                                        \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ L_4s+\frac{1}{C_4s}, \ \infty, \ \infty\right)
                                                                                       \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                       \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                       \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                                                                       \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                         \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \, \infty, \, \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}, \, \frac{R_{4}(C_{4}L_{4}s^{2}+1)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \, \infty, \, \infty\right)
                                                                                        \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, \frac{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}{C_{3}L_{3}s^{2}+1}, R_{4}, \infty, \infty\right)
                                                                                         \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                         \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                        \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \ R_4+\frac{1}{C_4s}, \ \infty, \ \infty\right)
                                                                                        \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}{C_{3}L_{3}s^{2}+1}, \ L_{4}s+\frac{1}{C_{4}s}, \ \infty, \ \infty\right)
                                                                                        \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \ \frac{L_4s}{C_4L_4s^2+1}, \ \infty, \ \infty\right)
                                                                                         \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, \frac{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}{C_{3}L_{3}s^{2}+1}, L_{4}s+R_{4}+\frac{1}{C_{4}s}, \infty, \infty\right)
                                                                                         \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                                                                           \frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}{C_{3}L_{3}s^{2}+1}, \ \frac{R_{4}\left(C_{4}L_{4}s^{2}+1\right)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \ \infty, \ \infty
10.625NVALID-ORDER-625 Z(s) =
                                                                                         \left(\frac{L_{1s}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \ R_{4}, \ \infty, \ \infty\right)
10.62 6NVALID-ORDER-626 Z(s) =
                                                                                         \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, \frac{R_{3}(C_{3}L_{3}s^{2}+1)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \frac{1}{C_{4}s}, \infty, \infty\right)
10.62TNVALID-ORDER-627 Z(s) =
                                                                                          \frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty
10.628NVALID-ORDER-628 Z(s) =
                                                                                          \left(\frac{L_{1s}}{C_{1}L_{1}s^{2}+1}, \infty, \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, R_{4}+\frac{1}{C_{4}s}, \infty, \infty\right)
10.629NVALID-ORDER-629 Z(s) =
                                                                                          \frac{L_{1s}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{R_{3}(C_{3}L_{3}s^{2}+1)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \ L_{4}s+\frac{1}{C_{4}s}, \ \infty, \ \infty
10.63 ONVALID-ORDER-630 Z(s) =
                                                                                         \left(\frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, \frac{R_{3}(C_{3}L_{3}s^{2}+1)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \frac{L_{4}s}{C_{4}L_{4}s^{2}+1}, \infty, \infty\right)
10.63INVALID-ORDER-631 Z(s) =
                                                                                          \frac{L_{18}}{C_{1}L_{1}s^{2}+1}, \infty, \frac{R_{3}(C_{3}L_{3}s^{2}+1)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, L_{4}s+R_{4}+\frac{1}{C_{4}s}, \infty, \infty
10.632NVALID-ORDER-632 Z(s) =
                                                                                          \frac{L_{18}}{C_1L_1s^2+1}, \ \infty, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty
10.63BNVALID-ORDER-633 Z(s) =
                                                                                          \frac{L_{1}s}{C_{1}L_{1}s^{2}+1}, \infty, \frac{R_{3}(C_{3}L_{3}s^{2}+1)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \frac{C_{4}L_{4}R_{4}s^{2}+L_{4}s+R_{4}}{C_{4}L_{4}s^{2}+1}, \infty, \infty
                                                                                         \left(\frac{L_{1s}}{C_1L_1s^2+1}, \ \infty, \ \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \ \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty\right)
10.635NVALID-ORDER-635 Z(s) =
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10.636NVALID-ORDER-636 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$
10.63INVALID-ORDER-637 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.63 NVALID-ORDER-638 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.63 9 NVALID-ORDER-639 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.640NVALID-ORDER-640 $Z(s) = (L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty)$
10.64INVALID-ORDER-641 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.642NVALID-ORDER-642 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
$10.64 \text{BNVALID-ORDER-} 643 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ R_3, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
10.64\(\text{ANVALID-ORDER-644}\(Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\)
$10.64 \text{ INVALID-ORDER-} 645 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{1}{C_3 s}, \ R_4, \ \infty, \ \infty\right) \ \dots $
10.646NVALID-ORDER-646 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_4 s}, \infty, \frac{1}{C_4 s}, \infty, \infty\right)$
10.64 INVALID-ORDER-647 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.64 NVALID-ORDER-648 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.64 NVALID-ORDER-649 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.65 0 NVALID-ORDER-650 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.65INVALID-ORDER-651 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.652NVALID-ORDER-652 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$
10.65 NVALID-ORDER-653 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
$10.65 \text{ INVALID-ORDER-} 654 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
10.65 INVALID-ORDER-655 $Z(s) = (L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty)$
10.65 6 NVALID-ORDER-656 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$
10.65 T NVALID-ORDER-657 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.65 NVALID-ORDER-658 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.65 Q NVALID-ORDER-659 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.65 NVALID-ORDER-659 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ 10.66 NVALID-ORDER-660 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
10.66INVALID-ORDER-661 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_{1s}}, \infty, \frac{R_3}{C_{1}R_{2}s+1}, L_4 s + R_4 + \frac{1}{C_{1s}}, \infty, \infty\right)$
$10.662\text{NVALID-ORDER-}662\ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s},\ \infty,\ \frac{R_3}{C_3 R_3 s + 1},\ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4},\ \infty,\ \infty\right)$
$10.662\text{NVALID-ORDER-}662 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $ $10.662\text{NVALID-ORDER-}663 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right) $
$10.664 \text{NVALID-ORDER-} 664 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $
10.66 INVALID-ORDER-665 $Z(s) = (L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty)$
10.66 INVALID-ORDER-665 $Z(s) = (L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty)$
10.66TNVALID-ORDER-667 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$
10.66 NVALID-ORDER-668 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
10.66 Q NVALID-ORDER-669 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$
10.670NVALID-ORDER-670 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)^{\frac{1}{2}}$
10.67INVALID-ORDER-671 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$
$10.67 \text{INVALID-ORDER-} 671 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ L_4 s + R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty\right) $ $10.67 \text{INVALID-ORDER-} 672 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \ \infty, \ \infty\right) $
10.67 INVALID-ORDER-673 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_2 s}, \infty, R_3 + \frac{1}{C_2 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$
$10.674\text{NVALID-ORDER-}674 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty\right) $

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10.67 INVALID-ORDER-675 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, R_4, \infty, \infty\right) . . . . . . .
10.676NVALID-ORDER-676 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \infty, \infty\right) \dots
10.67 INVALID-ORDER-677 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right) \dots
10.67\( \text{NVALID-ORDER-678} \) Z(s) = \left( L_1 s + R_1 + \frac{1}{C_1 s}, \, \infty, \, L_3 s + \frac{1}{C_2 s}, \, R_4 + \frac{1}{C_4 s}, \, \infty, \, \infty \right)
10.679NVALID-ORDER-679 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
 10.68 INVALID-ORDER-680 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right).
10.68INVALID-ORDER-681 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.682NVALID-ORDER-682 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.68 INVALID-ORDER-683 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_{18}}, \infty, L_3 s + \frac{1}{C_{28}}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.684NVALID-ORDER-684 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.68 INVALID-ORDER-685 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right) \dots \dots \dots
 10.686NVALID-ORDER-686 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right) . . . .
10.68TNVALID-ORDER-687 Z(s) = (L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty).
10.68\( \text{NVALID-ORDER-688} \( Z(s) = \left( L_1 s + R_1 + \frac{1}{C_1 s}, \, \infty, \, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \, R_4 + \frac{1}{C_4 s}, \, \infty, \, \infty \right) 
10.68 INVALID-ORDER-689 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_2 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.69@NVALID-ORDER-690 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \frac{L_4 s}{C_3 L_4 s^2 + 1}, \infty, \infty\right) . . .
10.69INVALID-ORDER-691 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.692NVALID-ORDER-692 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_2 L_2 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.69ENVALID-ORDER-693 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_2 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.694NVALID-ORDER-694 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.69 INVALID-ORDER-695 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, R_4, \infty, \infty\right) . . .
10.696NVALID-ORDER-696 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right).
10.69 INVALID-ORDER-697 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right) . . .
10.69\( \text{NVALID-ORDER-698} \( Z(s) = \left( L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty \right) \)
 10.699NVALID-ORDER-699 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_{1s}}, \infty, L_3 s + R_3 + \frac{1}{C_{2s}}, L_4 s + \frac{1}{C_{4s}}, \infty, \infty\right)
10.700NVALID-ORDER-700 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) . . .
 10.70INVALID-ORDER-701 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.702NVALID-ORDER-702 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.70 INVALID-ORDER-703 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_2 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_1 L_4 s^2 + L_4}, \infty, \infty\right)
10.704NVALID-ORDER-704 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.70 INVALID-ORDER-705 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
10.70 INVALID-ORDER-706 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right).
10.70TNVALID-ORDER-707 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right).
10.70\( \text{NVALID-ORDER-708} \) Z(s) = \left( L_1 s + R_1 + \frac{1}{C_1 s}, \, \infty, \, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \, R_4 + \frac{1}{C_4 s}, \, \infty, \, \infty \right)
10.709NVALID-ORDER-709 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_{18}}, \infty, \frac{L_3 R_3 s}{C_2 L_2 R_2 s^2 + L_2 s + R_2}, L_4 s + \frac{1}{C_{18}}, \infty, \infty\right)
10.71@NVALID-ORDER-710 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots
10.71INVALID-ORDER-711 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.712NVALID-ORDER-712 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.718NVALID-ORDER-713 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_{18}}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_2 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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10.71 INVALID-ORDER-714 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.71 INVALID-ORDER-715 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
10.716NVALID-ORDER-716 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right) \dots \dots
10.71TNVALID-ORDER-717 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right).
10.71\( \text{NVALID-ORDER-718} \( Z(s) = \left( L_1 s + R_1 + \frac{1}{C_1 s}, \, \infty, \, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \, R_4 + \frac{1}{C_4 s}, \, \infty, \, \infty \right)
10.719NVALID-ORDER-719 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.720NVALID-ORDER-720 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots
10.72INVALID-ORDER-721 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.722NVALID-ORDER-722 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_2 L_2 s^2 + 1}, \frac{L_4 R_4 s}{C_3 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.72\textbf{NVALID-ORDER-723} Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_2 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.72 \text{INVALID-ORDER-} 724 \ Z(s) = \left( L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left( C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty \right)
10.72 \text{INVALID-ORDER-} 725 \ Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ R_4, \ \infty, \ \infty\right) \ . \ .
10.726NVALID-ORDER-726 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
10.72INVALID-ORDER-727 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.72\( \text{NVALID-ORDER-728} \) Z(s) = \left( L_1 s + R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{R_3 \left( C_3 L_3 s^2 + 1 \right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \infty, \ \infty \right)
10.729NVALID-ORDER-729 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
10.73 INVALID-ORDER-730 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.73INVALID-ORDER-731 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.732NVALID-ORDER-732 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.732NVALID-ORDER-733 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
10.734NVALID-ORDER-734 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.73 INVALID-ORDER-735 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right) \dots
                                                                           \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right) \dots
                                                                            \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3, R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                           \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right) ...
                                                                           \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots \dots
                                                                           \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.74INVALID-ORDER-741 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                          \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                            \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
 10.74BNVALID-ORDER-743 Z(s) =
                                                                           \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{1}{C_2s}, R_4, \infty, \infty\right) \dots \dots \dots
 10.74INVALID-ORDER-744 Z(s) =
                                                                            \frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty) ...
                                                                           \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right) ...
                                                                           \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right) \dots
                                                                          \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \, \infty, \, \frac{1}{C_3 s}, \, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \, \infty, \, \infty\right) .....
10.749NVALID-ORDER-749 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right) \dots
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10.750NVALID-ORDER-750 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                      \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{1}{C_3s}, \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)\right)
10.752NVALID-ORDER-752 Z(s) =
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_2 R_2 s + 1}, R_4, \infty, \infty\right) ....
 10.75BNVALID-ORDER-753 Z(s) =
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty\right)
 10.754NVALID-ORDER-754 Z(s) =
                                                                                      \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3}{C_2R_2s+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                      \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3}{C_2R_2s+1}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_2 R_2 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_2 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3+\frac{1}{C_2s}, R_4, \infty, \infty\right) \ldots \ldots
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3 + \frac{1}{C_2s}, \frac{1}{C_4s}, \infty, \infty\right) \dots
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3 + \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                      \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3 + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right) ...
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3+\frac{1}{C_2s}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                    \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
10.77INVALID-ORDER-771 Z(s) =
                                                                                      \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+\frac{1}{C_2s}, R_4, \infty, \infty\right) .....
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right) \ldots
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+\frac{1}{C_2s}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                      \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_2 R_1 s^2 + L_3 s + R_3}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+\frac{1}{C_3s}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                     \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+\frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
10.78INVALID-ORDER-781 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right) \dots
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right) ....
                                                                                     \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right) \dots
 10.78 INVALID-ORDER-785 Z(s) =
                                                                                   \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3s}{C_2L_2s^2+1}, R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                   \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)
10.78 \$NVALID-ORDER-788 \ Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty\right)
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10.789NVALID-ORDER-789 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                                                                \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                 \frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \ \infty, \ \frac{L_3s}{C_3L_3s^2+1}, \ \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, R_4, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_2s}, \frac{L_4R_4s}{C_3L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                                                                 \frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, L_3s+R_3+\frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty
                                                                                 \tfrac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \ \infty, \ L_3s+R_3+\tfrac{1}{C_3s}, \ \tfrac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1},
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, R_4, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                 \frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s+\frac{1}{C_4s}, \infty, \infty
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
10.81 ONVALID-ORDER-810 Z(s) =
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
10.81INVALID-ORDER-811 Z(s) =
                                                                                 \frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \ \infty, \ \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty
10.812NVALID-ORDER-812 Z(s) =
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, R_4, \infty, \infty\right)
                                                                                 \frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \ \infty, \ \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right)
                                                                                 \frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, R_4+\frac{1}{C_4s}, \infty, \infty
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_2L_2s^2+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.819NVALID-ORDER-819 Z(s) =
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
10.82 ONVALID-ORDER-820 Z(s) =
 10.82INVALID-ORDER-821 Z(s) =
                                                                                 \frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \ \infty, \ \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty
10.822NVALID-ORDER-822 Z(s) =
                                                                                 \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, R_4, \infty, \infty\right)
10.82BNVALID-ORDER-823 Z(s) =
                                                                                 \frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \ \infty, \ \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \infty, \ \infty
10.824NVALID-ORDER-824 Z(s) =
                                                                                 \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \, \infty, \, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \, \frac{R_4}{C_4 R_4 s + 1}, \, \infty, \, \infty\right)\right)
10.825NVALID-ORDER-825 Z(s) =
                                                                                \left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \infty, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.82 6NVALID-ORDER-826 Z(s) =
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10.82 TNVALID-ORDER-827 $Z(s) =$	$\left(\frac{L_1R_1s}{C_1L_1R_1s^2 + L_1s + R_1}, \infty, \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	110
10.82&NVALID-ORDER-828 $Z(s) =$	$\left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right) \dots $	110
10.82 9 NVALID-ORDER-829 $Z(s) =$	$\left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \ \infty, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ L_4s+R_4+\frac{1}{C_4s}, \ \infty, \ \infty\right) \ \dots $	110
10.83 0 NVALID-ORDER-830 $Z(s) =$	$\left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \ \infty, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty\right) \ \dots $	110
10.83INVALID-ORDER-831 $Z(s) =$	$\left(\frac{L_1R_1s}{C_1L_1R_1s^2+L_1s+R_1}, \ \infty, \ \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, \ \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty\right) \ \dots $	11
10.832NVALID-ORDER-832 $Z(s) =$	$\left(\frac{L_1R_1s}{C_1L_1R_1s^2 + L_1s + R_1}, \ \infty, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \ \infty, \ \infty\right) $	11
10.83 B NVALID-ORDER-833 $Z(s) =$	$\left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \ \infty, \ R_3, \ \frac{1}{C_4 s}, \ \infty, \ \infty \right)$	11
10.834NVALID-ORDER-834 $Z(s) = $	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty, \ R_3, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right)$	11
10.83 Б NVALID-ORDER-835 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty, \ R_3, \ R_4+\frac{1}{C_4s}, \ \infty, \ \stackrel{\frown}{\infty}\right)$	11
10.836NVALID-ORDER-836 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty, \ R_3, \ L_4s+\frac{1}{C_4s}, \ \infty, \ \stackrel{\checkmark}{\infty}\right)$	11
10.83¶NVALID-ORDER-837 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, R_3, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)^{'}$	11
10.83&NVALID-ORDER-838 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty, \ R_3, \ L_4s+R_4+\frac{1}{C_4s}, \ \infty, \ \infty\right)$	11
10.83 9 NVALID-ORDER-839 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)$	11
10.84 0 NVALID-ORDER-840 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right) \dots $	11:
10.84INVALID-ORDER-841 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ R_3, \ \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \ \infty, \ \infty\right)' \ \dots $	11:
10.842NVALID-ORDER-842 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{1}{C_3s}, R_4, \infty, \infty\right)$	11:
10.84\(\mathbb{B}\) NVALID-ORDER-843 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)$	11:
10.84\(\bar{\pma}\)NVALID-ORDER-844 $Z(s) =$		11:
10.845NVALID-ORDER-845 $Z(s) =$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	11:
10.846NVALID-ORDER-846 $Z(s) =$		11:
10.84 T NVALID-ORDER-847 $Z(s) =$		11:
10.84\&NVALID-ORDER-848 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{1}{C_2s}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)$	11:
10.84 9 NVALID-ORDER-849 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \ \infty, \ \infty\right) \dots $	11:
10.85 0 NVALID-ORDER-850 $Z(s) =$	$\left(\frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \infty, \frac{1}{C_{3}s}, \frac{C_{4}L_{4}R_{4}s^{2}+L_{4}s+R_{4}}{C_{4}L_{4}s^{2}+1}, \infty, \infty\right) \dots \dots$	11:
	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \ \infty, \ \infty\right) \dots $	
10.852NVALID-ORDER-852 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{R_3}{C_3R_3s+1}, R_4, \infty, \infty\right)$	11:
10.85\(\mathbb{B}\) NVALID-ORDER-853 $Z(s) =$	$\left(\frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ \frac{1}{C_{4}s}, \ \infty, \ \infty\right) \ \dots $	11:
10.854NVALID-ORDER-854 $Z(s) =$	$\left(\frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \infty, \frac{R_{3}}{C_{3}R_{3}s+1}, \frac{R_{4}}{C_{4}R_{4}s+1}, \infty, \infty\right) \dots $	11:
	$\left(\frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ R_{4}+\frac{1}{C_{4}s}, \ \infty, \ \infty\right) \ \dots $	
	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{R_3}{C_3R_3s+1}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)$	
10.85 T NVALID-ORDER-857 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	11:
	$\left(\frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \infty, \frac{R_{3}}{C_{3}R_{3}s+1}, L_{4}s+R_{4}+\frac{1}{C_{4}s}, \infty, \infty\right) \dots \dots$	
	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right) \dots $	
	$\left(\frac{C_1L_18 + 1}{C_1L_18 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{C_4L_4R_4s + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right) \dots$	
10.86INVALID-ORDER-861 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{R_3}{C_3R_3s + 1}, \ \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \ \infty, \ \infty\right) \ \dots $	11
10.862NVALID-ORDER-862 $Z(s) =$	$\left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, R_3+\frac{1}{C_3s}, R_4, \infty, \infty\right)$	11^{\prime}
	$\left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ R_3 + \frac{1}{C_3s}, \ \frac{1}{C_4s}, \ \infty, \ \infty\right) \qquad . \qquad $	
10.86#NVALID-ORDER-864 $Z(s) =$	$\left(\frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \infty, R_{3}+\frac{1}{C_{3}s}, \frac{R_{4}}{C_{4}R_{4}s+1}, \infty, \infty\right) \dots \dots$	11

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10.86 INVALID-ORDER-865 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, R_3 + \frac{1}{C_2s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
10.86 6NVALID-ORDER-866 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
10.86TNVALID-ORDER-867 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.868NVALID-ORDER-868 Z(s) =
                                                                     \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty
10.86 NVALID-ORDER-869 Z(s) =
                                                                     \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty, \ R_3+\frac{1}{C_3s}, \ \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty
10.87 ONVALID-ORDER-870 Z(s) =
                                                                     \frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \infty, R_{3}+\frac{1}{C_{3}s}, \frac{R_{4}(C_{4}L_{4}s^{2}+1)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \infty, \infty
10.87INVALID-ORDER-871 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+\frac{1}{C_2s}, R_4, \infty, \infty\right)
10.872NVALID-ORDER-872 Z(s) =
                                                                    \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ L_3s + \frac{1}{C_3s}, \ \frac{1}{C_4s}, \ \infty, \ \infty\right)
10.87BNVALID-ORDER-873 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
10.874NVALID-ORDER-874 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.875NVALID-ORDER-875 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+\frac{1}{C_2s}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)
10.876NVALID-ORDER-876 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+\frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
10.87TNVALID-ORDER-877 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+\frac{1}{C_3s}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.878NVALID-ORDER-878 Z(s) =
                                                                     \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ L_3s + \frac{1}{C_3s}, \ \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \ \infty, \ \infty
10.879NVALID-ORDER-879 Z(s) =
                                                                    \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \, \infty, \, L_3s + \frac{1}{C_3s}, \, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \, \infty, \, \infty\right)
10.88 ONVALID-ORDER-880 Z(s) =
                                                                     \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ L_3s + \frac{1}{C_3s}, \ \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \ \infty, \ \infty
10.88INVALID-ORDER-881 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_2L_2s^2 + 1}, R_4, \infty, \infty\right)
10.882NVALID-ORDER-882 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{1}{C_4s}, \infty, \infty\right)
10.88BNVALID-ORDER-883 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty, \ \frac{L_3s}{C_2L_2s^2+1}, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right)
10.884NVALID-ORDER-884 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{L_3s}{C_2L_2s^2+1}, R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.885NVALID-ORDER-885 Z(s) =
                                                                     \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{L_3s}{C_2L_2s^2+1}, L_4s+\frac{1}{C_4s}, \infty, \infty
10.88 6NVALID-ORDER-886 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
10.88TNVALID-ORDER-887 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.88NVALID-ORDER-888 Z(s) =
                                                                     \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty
10.889NVALID-ORDER-889 Z(s) =
                                                                     \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty
10.89 ONVALID-ORDER-890 Z(s) =
                                                                     \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty
10.89INVALID-ORDER-891 Z(s) =
                                                                    \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+R_3+\frac{1}{C_2s}, R_4, \infty, \infty\right)
10.892NVALID-ORDER-892 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+R_3+\frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)
10.89BNVALID-ORDER-893 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
10.894NVALID-ORDER-894 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.895NVALID-ORDER-895 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+R_3+\frac{1}{C_2s}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)
10.89 6NVALID-ORDER-896 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+R_3+\frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
10.89TNVALID-ORDER-897 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, L_3s+R_3+\frac{1}{C_2s}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.89 NVALID-ORDER-898 Z(s) =
                                                                    \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
10.899NVALID-ORDER-899 Z(s) =
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
10.900NVALID-ORDER-900 Z(s) =
                                                                     \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1},
10.90INVALID-ORDER-901 Z(s) =
                                                                                                                                                                            \infty, \infty
                                                                     \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, R_4, \infty, \infty\right)
10.902NVALID-ORDER-902 Z(s) =
10.90\( \text{NVALID-ORDER-903} \( Z(s) = \hat{C}_1 \frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty, \infty \end{array}
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10.904NVALID-ORDER-904 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
                                                                        \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, R_4 + \frac{1}{C_4s}, \infty, \infty
10.905NVALID-ORDER-905 Z(s) =
                                                                        \frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \infty, \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}, L_{4}s+\frac{1}{C_{4}s}, \infty, \infty
10.90 CNVALID-ORDER-906 Z(s) =
                                                                        \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
10.90TNVALID-ORDER-907 Z(s) =
                                                                        \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.908NVALID-ORDER-908 Z(s) =
                                                                         \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty
10.909NVALID-ORDER-909 Z(s) =
                                                                        \frac{c_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}, \ \frac{C_{4}L_{4}R_{4}s^{2}+L_{4}s+R_{4}}{C_{4}L_{4}s^{2}+1}, \ \infty, \ \infty
10.91 ONVALID-ORDER-910 Z(s) =
                                                                                                                                                          R_4(C_4L_4s^2+1)
                                                                        \frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}, \ \frac{R_{4}(C_{4}L_{4}s^{2}+1)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \ \infty, \ \infty
10.91INVALID-ORDER-911 Z(s) =
                                                                       \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, R_4, \infty, \infty\right)
10.912NVALID-ORDER-912 Z(s) =
                                                                                                          \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{1}{C_4s}, \infty, \infty
10.918NVALID-ORDER-913 Z(s) =
                                                                        \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
10.914NVALID-ORDER-914 Z(s) =
                                                                        \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.915NVALID-ORDER-915 Z(s) =
                                                                        \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}
                                                                                                                 \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s+\frac{1}{C_4s}, \infty, \infty
10.916NVALID-ORDER-916 Z(s) =
                                                                                                                   \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty
10.91TNVALID-ORDER-917 Z(s) =
                                                                        \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty
10.918NVALID-ORDER-918 Z(s) =
                                                                        \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \, \infty, \, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \, \infty, \, \infty\right)
10.919NVALID-ORDER-919 Z(s) =
                                                                        \frac{c_{1}L_{1}R_{1}s^{2} + L_{1}s + R_{1}}{C_{1}L_{1}s^{2} + 1}, \ \infty, \ \frac{c_{3}L_{3}R_{3}s^{2} + L_{3}s + R_{3}}{C_{3}L_{3}s^{2} + 1}, \ \frac{c_{4}L_{4}R_{4}s^{2} + L_{4}s + R_{4}}{C_{4}L_{4}s^{2} + 1}, \ \infty, \ \infty
10.92 ONVALID-ORDER-920 Z(s) =
                                                                                                                   \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty
                                                                                                                                                         R_4(C_4L_4s^2+1)
                                                                         \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty,
10.92INVALID-ORDER-921 Z(s) =
                                                                                                                       R_3(C_3L_3s^2+1)
                                                                         \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ R_4, \ \infty, \ \infty
10.922NVALID-ORDER-922 Z(s) =
                                                                                                                       R_3(C_3L_3s^2+1)
                                                                         \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{R_3(C_3L_3s^2 + 1)}{C_3L_3s^2 + C_3R_3s + 1}, \ \frac{1}{C_4s}, \ \infty, \ \infty
10.92BNVALID-ORDER-923 Z(s) =
                                                                                                                      R_3(C_3L_3s^2+1)
                                                                         \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{R_3(C_3L_3s^2 + 1)}{C_3L_3s^2 + C_3R_3s + 1}, \ \frac{R_4}{C_4R_4s + 1}, \ \infty, \ \infty
10.924NVALID-ORDER-924 Z(s) =
                                                                         \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{R_3(C_3L_3s^2 + 1)}{C_3L_3s^2 + C_3R_3s + 1}, \ R_4 + \frac{1}{C_4s}, \ \infty, \ \infty
10.925NVALID-ORDER-925 Z(s) =
                                                                                                                   \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s+\frac{1}{C_4s}, \infty, \infty
                                                                         \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \ \infty,
10.926NVALID-ORDER-926 Z(s) =
                                                                                                                       R_3(C_3L_3s^2+1)
                                                                         \frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \ \frac{L_{4}s}{C_{4}L_{4}s^{2}+1}, \ \infty, \ \infty
10.92TNVALID-ORDER-927 Z(s) =
                                                                                                                       R_3(C_3L_3s^2+1)
                                                                        \left(\frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{R_3\left(C_3L_3s^2+1\right)}{C_3L_3s^2+C_3R_3s+1}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.928NVALID-ORDER-928 Z(s) =
                                                                                                                      R_3(C_3L_3s^2+1)
                                                                         \frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \ \infty, \ \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \ \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \ \infty, \ \infty
10.929NVALID-ORDER-929 Z(s) =
                                                                                                                      R_3(C_3L_3s^2+1)
                                                                                                                                                    \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty
                                                                         \frac{C_1L_1R_1s^2+L_1s+R_1}{C_1L_1s^2+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1},
10.93 ONVALID-ORDER-930 Z(s) =
                                                                                                                      R_3(C_3L_3s^2+1)
                                                                                                                                                      R_4(C_4L_4s^2+1)
                                                                         \frac{C_{1}L_{1}R_{1}s^{2}+L_{1}s+R_{1}}{C_{1}L_{1}s^{2}+1}, \ \infty, \ \frac{R_{3}\left(C_{3}L_{3}s^{2}+1\right)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \ \frac{R_{4}\left(C_{4}L_{4}s^{2}+1\right)}{C_{4}L_{4}s^{2}+C_{4}R_{4}s+1}, \ \infty, \ \infty
10.93INVALID-ORDER-931 Z(s) =
                                                                           R_1(C_1L_1s^2+1)
                                                                         \frac{n_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{1}{C_4s}, \infty, \infty
10.932NVALID-ORDER-932 Z(s) =
                                                                           R_1(C_1L_1s^2+1)
                                                                         \frac{R_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{R_4}{C_4R_4s+1}, \infty, \infty
10.93 NVALID-ORDER-933 Z(s) =
                                                                         \frac{C_1L_1s^2+C_1R_1s+1}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, R_4+\frac{1}{C_4s}, \infty, \infty
10.934NVALID-ORDER-934 Z(s) =
10.93 NVALID-ORDER-935 Z(s) =
                                                                         \frac{R_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, L_4s+\frac{1}{C_4s}, \infty, \infty
                                                                         \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty
10.93 6NVALID-ORDER-936 Z(s) =
10.93 NVALID-ORDER-937 Z(s) =
                                                                        \frac{C_1 L_1 s^2 + C_1 R_1 s + 1}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty
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$10.93\$NVALID-ORDER-938\ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1},\ \infty,\ R_3,\ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4},\ \infty,\ \infty\right)\ \dots$	122
$10.93 \text{ (NVALID-ORDER-939 } Z(s) = \left(\frac{R_1 \left(C_1 L_1 s^2 + 1 \right)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \ \infty, \ R_3, \ \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right) \ \dots $	122
$10.940 \text{NVALID-ORDER-940} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ R_3, \ \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty\right)^{\prime} \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	123
10.94INVALID-ORDER-941 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, R_4, \infty, \infty\right)$	123
$10.942 \text{NVALID-ORDER-} 942 \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{1}{C_4s}, \ \infty, \ \infty\right) \ \dots $	123
$10.94 \text{ INVALID-ORDER-943 } Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right) \dots $	123
$10.94 \text{INVALID-ORDER-944} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ \infty, \ \infty\right) \ \dots $	123
$10.945 \text{NVALID-ORDER-945} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ L_4s+\frac{1}{C_4s}, \ \infty, \ \infty\right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	123
$10.94 \text{ (INVALID-ORDER-946 } Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{L_4s}{C_4L_4s^2+1}, \ \infty, \ \infty\right) \ \dots $	123
$10.94 \text{INVALID-ORDER-947} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ L_4s+R_4+\frac{1}{C_4s}, \ \infty, \ \infty\right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	123
$10.94 \$NVALID-ORDER-948 \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty\right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	123
$10.949 \text{NVALID-ORDER-949} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty\right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	124
$10.95 \text{@NVALID-ORDER-950 } Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty\right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	124
$10.95 \text{INVALID-ORDER-951 } Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ R_4, \ \infty, \ \infty\right) $	124
$10.95 2 \text{NVALID-ORDER-952} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ \frac{1}{C_4s}, \ \infty, \ \infty\right)$	124
$10.95 \text{BNVALID-ORDER-953} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right) \ \dots $	124
10.95\(\frac{1}{4}\)NVALID-ORDER-954\(Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \inftigeta, \frac{R_3}{C_3R_3s+1}, \(R_4 + \frac{1}{C_4s}, \inftigeta, \inftigeta \right) \].	124
$10.95 \text{INVALID-ORDER-955} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ L_4s+\frac{1}{C_4s}, \ \infty, \ \infty\right) \ \dots $	124
$10.95 \text{ @NVALID-ORDER-956 } Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ \frac{L_4s}{C_4L_4s^2+1}, \ \infty, \ \infty\right) \dots $	
$10.95\text{INVALID-ORDER-957} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ L_4s+R_4+\frac{1}{C_4s}, \ \infty, \ \infty\right) $. 124
$10.95 \&NVALID-ORDER-958 \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty\right) \ \dots $	125
$10.95 \text{ @NVALID-ORDER-959 } Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3}{C_3R_3s+1}, \ \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty\right) \ \dots $	
$10.96 \text{DNVALID-ORDER-960 } Z(s) = \left(\frac{R_1 \left(C_1 L_1 s^2 + 1 \right)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \ \infty, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4 \left(C_4 L_4 s^2 + 1 \right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \ \infty, \ \infty \right)^{\prime} \dots $	
$10.96 \text{INVALID-ORDER-961 } Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ R_3 + \frac{1}{C_3s}, \ R_4, \ \infty, \ \infty\right) $	
$10.96 \text{2NVALID-ORDER-962} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ R_3 + \frac{1}{C_3s}, \ \frac{1}{C_4s}, \ \infty, \ \infty\right) \ \dots $	
$10.96 \text{ 2NVALID-ORDER-963 } Z(s) = \left(\frac{R_1 \left(C_1 L_1 s^2 + 1 \right)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \infty, \ \infty \right) $	
$10.96 \text{ 1 NVALID-ORDER-} 964 \ Z(s) = \left\langle \frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ R_3 + \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ \infty, \ \infty \right\rangle $. 125
$10.96 \text{INVALID-ORDER-965} \ Z(s) = \left(\frac{R_1 \left(C_1 L_1 s^2 + 1 \right)}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \ \infty, \ R_3 + \frac{1}{C_3 s}, \ L_4 s + \frac{1}{C_4 s}, \ \infty, \ \infty \right) $	
$10.966 \text{NVALID-ORDER-966} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ R_3 + \frac{1}{C_3s}, \ \frac{L_4s}{C_4L_4s^2+1}, \ \infty, \ \infty\right) \ \dots $	
$10.96 \text{INVALID-ORDER-967} \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ R_3 + \frac{1}{C_3s}, \ L_4s + R_4 + \frac{1}{C_4s}, \ \infty, \ \infty\right) \ \ldots $	
$10.96 \&NVALID-ORDER-968 \ Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ R_3 + \frac{1}{C_3s}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty\right) \ldots $	126

10.96 9 NVALID-ORDER-969 $Z(s) =$	$\left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right) \dots $	120
10.97 0 NVALID-ORDER-970 $Z(s) =$	$\left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right) \dots $	120
10.97INVALID-ORDER-971 $Z(s) = \displaystyle$	$\left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ L_3s+\frac{1}{C_3s}, \ R_4, \ \infty, \ \infty\right) \ \dots \ $	120
10.97% NVALID-ORDER-972 $Z(s)=% {\textstyle\int\limits_{s=0}^{\infty }} \left({{D_{s}}} \right) \left({{D$	$\left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ L_3s+\frac{1}{C_3s}, \ \frac{1}{C_4s}, \ \infty, \ \infty\right) $	120
10.97\bar{B}\text{NVALID-ORDER-973} $Z(s) =$	$\left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ L_3s+\frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right) \ \dots $	120
10.97#NVALID-ORDER-974 $Z(s)=% {\textstyle\int\limits_{s=0}^{\infty}} \left({{D_{s}}} \right) \left({{D_{s}}} \right)$	$\left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ L_3s+\frac{1}{C_3s}, \ R_4+\frac{1}{C_4s}, \ \infty, \ \infty\right) $	120
10.97 INVALID-ORDER-975 $Z(s) =$		120
10.976NVALID-ORDER-976 $Z(s) =$		12'
10.97 INVALID-ORDER-977 $Z(s) =$		12'
10.97&NVALID-ORDER-978 $Z(s) =$		12'
10.97 9 NVALID-ORDER-979 $Z(s) =$		12'
$10.98 \text{@NVALID-ORDER-980} \ Z(s) =$		12'
10.98INVALID-ORDER-981 $Z(s) =$		12'
10.982NVALID-ORDER-982 $Z(s) =$		12'
10.98 B NVALID-ORDER-983 $Z(s) =$		12'
10.984NVALID-ORDER-984 $Z(s) =$		12'
10.98 INVALID-ORDER-985 $Z(s) =$		128
10.98 GNVALID-ORDER-986 $Z(s) =$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	128
10.98 T NVALID-ORDER-987 $Z(s) =$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	128
10.98\NVALID-ORDER-988 $Z(s) =$	$\left(\begin{smallmatrix} C_1L_1s & +C_1R_1s+1\end{smallmatrix}, \begin{smallmatrix} C_3L_3s & +1\end{smallmatrix}, \begin{smallmatrix} C_4L_4R_4s & +L_4s+R_4\end{smallmatrix}\right)$	128
10.98 9 NVALID-ORDER-989 $Z(s) =$	$\left(\begin{smallmatrix} C_1L_{13} & +C_1R_{13}+1 \end{smallmatrix}\right) = \begin{smallmatrix} C_3L_{33} & +1 \end{smallmatrix}$	
10.99 0 NVALID-ORDER-990 $Z(s) =$	$\begin{pmatrix} C_1L_1s + C_1R_1s + 1 & C_3L_3s + 1 & C_4L_4s + C_4R_4s + 1 & C_4L_4s + 1 & C_4L_4$	
10.99INVALID-ORDER-991 $Z(s) =$		
10.992NVALID-ORDER-992 $Z(s) =$		
10.99 E NVALID-ORDER-993 $Z(s) =$	$\left(C_1L_1s + C_1R_1s + 1 + \cdots + C_3s + C_4R_4s + 1 + \cdots + C_3s + C_4R_5s + 1 + \cdots + C_3s + C_4R_5s$	
10.994NVALID-ORDER-994 $Z(s) =$	$\begin{pmatrix} C_1L_1s + C_1R_1s + 1 & \cdots & C_3s & C_4s & \cdots \end{pmatrix}$	
10.99 Б NVALID-ORDER-995 $Z(s) =$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	
10.99 6 NVALID-ORDER-996 $Z(s) =$		
10.99 T NVALID-ORDER-997 $Z(s) =$		
10.99\NVALID-ORDER-998 $Z(s) =$		
10.99 9 NVALID-ORDER-999 $Z(s) =$	$\left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s+R_3+\frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	129

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R_4(C_4L_4s^2+1)
10.10 DN VALID-ORDER-1000 Z(s) =
                                                                    \frac{R_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s+R_3+\frac{1}{C_3s}, \frac{R_4(C_4L_4s+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty
                                                                       R_1(C_1L_1s^2+1)
                                                                    \left(\frac{L_3R_3s}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, R_4, \infty, \infty\right)
10.10 DNVALID-ORDER-1001 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
10.1002VALID-ORDER-1002 Z(s) =
                                                                    \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{1}{C_4s}, \infty, \infty
                                                                       R_1(C_1L_1s^2+1)
10.1000VALID-ORDER-1003 Z(s) =
                                                                    \frac{K_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{R_4}{C_4R_4s+1}, \infty, \infty
                                                                       R_1(C_1L_1s^2+1)
10.10 DN VALID-ORDER-1004 Z(s) =
                                                                    \left(\frac{R_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                       R_1(C_1L_1s^2+1)
                                                                    \frac{L_{1}C_{1}L_{1}s^{2}+L_{1}R_{1}s+1}{C_{1}L_{1}s^{2}+C_{1}R_{1}s+1}, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}, \ L_{4}s+\frac{1}{C_{4}s}, \ \infty, \ \infty
10.10000VALID-ORDER-1005 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
10.10 DN VALID-ORDER-1006 Z(s) =
                                                                    \frac{L_3R_3s}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty
                                                                       R_1(C_1L_1s^2+1)
                                                                    \left(\frac{L_3 R_3 s}{C_1 L_1 s^2 + C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.100NVALID-ORDER-1007 Z(s) =
                                                                    \frac{\frac{L_{3}R_{3}s}{C_{1}L_{1}s^{2}+C_{1}R_{1}s+1}}{\frac{L_{4}R_{4}s}{C_{2}L_{1}s^{2}+C_{1}R_{1}s+1}}, \ \infty, \ \frac{L_{3}R_{3}s}{C_{3}L_{3}R_{3}s^{2}+L_{3}s+R_{3}}, \ \frac{L_{4}R_{4}s}{C_{4}L_{4}R_{4}s^{2}+L_{4}s+R_{4}}, \ \infty, \ \infty
10.10000VALID-ORDER-1008 Z(s) =
                                                                    \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty
10.10 DN VALID-ORDER-1009 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
                                                                                                                                             R_4(C_4L_4s^2+1)
10.10INVALID-ORDER-1010 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, R_4, \infty, \infty
10.10INVALID-ORDER-1011 Z(s) =
                                                                    \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{1}{C_4s}, \infty, \infty\right)
10.10INVALID-ORDER-1012 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
10.10INVALID-ORDER-1013 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \ R_4+\frac{1}{C_4s}, \ \infty, \ \infty
10.10IMVALID-ORDER-1014 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s+\frac{1}{C_4s}, \infty, \infty\right)
10.10INVALID-ORDER-1015 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \ \frac{L_4s}{C_4L_4s^2+1}, \ \infty, \ \infty
10.10INVALID-ORDER-1016 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)
10.10INVALID-ORDER-1017 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                    (rac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ rac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \ rac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty)
10.10LNVALID-ORDER-1018 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                                                          \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty
10.10INVALID-ORDER-1019 Z(s) =
                                                                     C_1L_1s^2+C_1R_1s+1, \infty,
                                                                       R_1(C_1L_1s^2+1)
                                                                    \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \ \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \ \infty, \ \infty
                                                                                                                                             R_4(C_4L_4s^2+1)
10.102NVALID-ORDER-1020 Z(s)
                                                                                                             R_3(C_3L_3s^2+1)
                                                                       R_1(C_1L_1s^2+1)
                                                                    \left(\frac{C_1C_1s^2+C_1R_1s+1}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{n_3(c_3L_3s+1)}{C_3L_3s^2+C_3R_3s+1}, R_4, \infty, \infty\right)
10.102NVALID-ORDER-1021 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                                                            R_3(C_3L_3s^2+1)
10.102XVALID-ORDER-1022 Z(s) =
                                                                     \frac{1}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3L_3s^2+C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty
                                                                       R_1(C_1L_1s^2+1)
                                                                                                             R_3(C_3L_3s^2+1)
                                                                    \frac{R_{1}(C_{1}L_{1}s+1)}{C_{1}L_{1}s^{2}+C_{1}R_{1}s+1}, \ \infty, \ \frac{R_{3}(C_{3}L_{3}s+1)}{C_{3}L_{3}s^{2}+C_{3}R_{3}s+1}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \infty, \ \infty
10.1028VALID-ORDER-1023 Z(s) =
                                                                       R_1(C_1L_1s^2+1)
                                                                                                             R_3(C_3L_3s^2+1)
10.102MVALID-ORDER-1024 Z(s) =
                                                                    \frac{1}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3L_3s^2+C_3R_3s+1}, R_4+\frac{1}{C_4s}, \infty, \infty
                                                                       R_1(C_1L_1s^2+1)
                                                                                                             R_3(C_3L_3s^2+1)
10.102NVALID-ORDER-1025 Z(s) =
                                                                     \frac{1}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3L_3s^2+C_3R_3s+1}, L_4s+\frac{1}{C_4s}, \infty, \infty
                                                                       R_1(C_1L_1s^2+1)
                                                                                                             R_3(C_3L_3s^2+1)
10.1028VALID-ORDER-1026 Z(s) =
                                                                    \frac{R_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty
                                                                                                             R_3(C_3L_3s^2+1)
                                                                       R_1(C_1L_1s^2+1)
10.102NVALID-ORDER-1027 Z(s) =
                                                                     \frac{R_1(C_1L_1s+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty
                                                                                                             R_3(C_3L_3s^2+1)
                                                                       R_1(C_1L_1s^2+1)
                                                                    \frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \ \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \ \infty, \ \infty
10.102NVALID-ORDER-1028 Z(s) =
                                                                                                             R_3(C_3L_3s^2+1)
                                                                       R_1(C_1L_1s^2+1)
                                                                                                                                        \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \ \infty, \ \infty
10.1029VALID-ORDER-1029 Z(s)
                                                                     \frac{1}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3L_3s^2+C_3R_3s+1},
                                                                       R_1(C_1L_1s^2+1)
                                                                                                             R_3(C_3L_3s^2+1)
                                                                                                                                          R_4(C_4L_4s^2+1)
10.10BNVALID-ORDER-1030 Z(s) =
                                                                    \frac{1}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3L_3s^2+C_3R_3s+1}, \frac{1}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty
```

11 PolynomialError

1 Examined H(z) for CG TIA simple Z1 Z3 Z4: $\frac{Z_1Z_3Z_4g_m}{2Z_1Z_3g_m+Z_1Z_4g_m+2Z_3+Z_4}$

$$H(z) = \frac{Z_1 Z_3 Z_4 g_m}{2Z_1 Z_3 g_m + Z_1 Z_4 g_m + 2Z_3 + Z_4}$$

- 2 HP
- 3 BP
- **3.1** BP-1 $Z(s) = \left(R_1, \infty, R_3, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)$

$$H(s) = \frac{L_4 R_1 R_3 g_m s}{2 R_1 R_3 g_m + 2 R_3 + s^2 \left(2 C_4 L_4 R_1 R_3 g_m + 2 C_4 L_4 R_3\right) + s \left(L_4 R_1 g_m + L_4\right)}$$

Parameters:

Q:
$$2C_4R_3\sqrt{\frac{1}{C_4L_4}}$$

wo: $\sqrt{\frac{1}{C_4L_4}}$
bandwidth: $\frac{1}{2C_4R_3}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_1R_3g_m}{R_1g_m+1}$
Qz: None
Wz: None

3.2 BP-2 $Z(s) = \left(R_1, \infty, R_3, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{L_4 R_1 R_3 R_4 g_m s}{2 R_1 R_3 R_4 g_m + 2 R_3 R_4 + s^2 \left(2 C_4 L_4 R_1 R_3 R_4 g_m + 2 C_4 L_4 R_3 R_4\right) + s \left(2 L_4 R_1 R_3 g_m + L_4 R_1 R_4 g_m + 2 L_4 R_3 + L_4 R_4\right)}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{2C_4R_3R_4\sqrt{\frac{1}{C_4L_4}}}{2R_3+R_4}\\ \text{wo:} \ \sqrt{\frac{1}{C_4L_4}}\\ \text{bandwidth:} \ \frac{2R_3+R_4}{2C_4R_3R_4}\\ \text{K-LP:} \ 0\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{R_1R_3R_4g_m}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4}\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

3.3 BP-3 $Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{L_4 R_1 R_4 g_m s}{2 R_1 R_4 g_m + 2 R_4 + s^2 \left(C_3 L_4 R_1 R_4 g_m + C_3 L_4 R_4 + 2 C_4 L_4 R_1 R_4 g_m + 2 C_4 L_4 R_4 \right) + s \left(2 L_4 R_1 g_m + 2 L_4 \right)}$$

Q:
$$\frac{\sqrt{2}C_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}{2} + \sqrt{2}C_{4}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}$$
 wo:
$$\sqrt{2}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}$$
 bandwidth:
$$\frac{\sqrt{2}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}{\frac{\sqrt{2}C_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}{2}} + \sqrt{2}C_{4}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}$$
 K-LP: 0 K-HP: 0

K-BP:
$$\frac{R_1R_4g_m}{2R_1g_m+2}$$

Qz: None
Wz: None

3.4 BP-4
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3R_3s+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)$$

$$H(s) = \frac{L_4 R_1 R_3 g_m s}{2 R_1 R_3 g_m + 2 R_3 + s^2 \left(C_3 L_4 R_1 R_3 g_m + C_3 L_4 R_3 + 2 C_4 L_4 R_1 R_3 g_m + 2 C_4 L_4 R_3 \right) + s \left(L_4 R_1 g_m + L_4 \right)}$$

Q:
$$\sqrt{2}C_3R_3\sqrt{\frac{1}{C_3L_4+2C_4L_4}}+2\sqrt{2}C_4R_3\sqrt{\frac{1}{C_3L_4+2C_4L_4}}$$
 wo: $\sqrt{2}\sqrt{\frac{1}{C_3L_4+2C_4L_4}}$ bandwidth:
$$\frac{\sqrt{2}\sqrt{\frac{1}{C_3L_4+2C_4L_4}}}{\sqrt{2}C_3R_3\sqrt{\frac{1}{C_3L_4+2C_4L_4}}+2\sqrt{2}C_4R_3\sqrt{\frac{1}{C_3L_4+2C_4L_4}}}$$
 K-LP: 0 K-HP: 0 K-BP:
$$\frac{R_1R_3g_m}{R_1g_m+1}$$
 Qz: None Wz: None

3.5 BP-5
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_4 R_1 R_3 R_4 g_m s}{2 R_1 R_3 R_4 g_m + 2 R_3 R_4 + s^2 \left(C_3 L_4 R_1 R_3 R_4 g_m + C_3 L_4 R_3 R_4 + 2 C_4 L_4 R_1 R_3 R_4 g_m + 2 C_4 L_4 R_3 R_4 \right) + s \left(2 L_4 R_1 R_3 g_m + L_4 R_1 R_4 g_m + 2 L_4 R_3 + L_4 R_4 \right)}$$

Parameters:

Q:
$$\frac{\sqrt{2}C_{3}R_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}+2\sqrt{2}C_{4}R_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}{2R_{3}+R_{4}}}{\sqrt{2}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}$$
 wo:
$$\sqrt{2}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}$$
 bandwidth:
$$\frac{\sqrt{2}(2R_{3}+R_{4})\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}{\sqrt{2}C_{3}R_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}+2\sqrt{2}C_{4}R_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{4}+2C_{4}L_{4}}}}$$
 K-LP: 0 K-HP: 0 K-BP:
$$\frac{R_{1}R_{3}R_{4}g_{m}}{2R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}}}$$
 Qz: None Wz: None

3.6 BP-6
$$Z(s) = \left(R_1, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{L_3 R_1 R_4 g_m s}{R_1 R_4 g_m + R_4 + s^2 \left(C_3 L_3 R_1 R_4 g_m + C_3 L_3 R_4 \right) + s \left(2 L_3 R_1 g_m + 2 L_3 \right)}$$

$$\begin{array}{l} \text{Q:} \ \frac{C_3R_4\sqrt{\frac{1}{C_3L_3}}}{2} \\ \text{wo:} \ \sqrt{\frac{1}{C_3L_3}} \\ \text{bandwidth:} \ \frac{2}{C_3R_4} \\ \text{K-LP:} \ 0 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{R_1R_4g_m}{2R_1g_m+2} \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \text{None} \end{array}$$

3.7 BP-7
$$Z(s) = \left(R_1, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)$$

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

$$\begin{array}{l} \text{Q:} \ \frac{C_3R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}}}{2} + C_4R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}} \\ \text{wo:} \ \sqrt{\frac{1}{C_3L_3+2C_4L_3}} \\ \text{bandwidth:} \ \frac{\sqrt{\frac{1}{C_3L_3+2C_4L_3}}}{\frac{C_3R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}}}{2} + C_4R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}}} \\ \text{K-LP:} \ 0 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{R_1R_4g_m}{2R_1g_m+2} \\ \text{Qz:} \ \text{None} \end{array}$$

3.8 BP-8 $Z(s) = \left(R_1, \infty, \frac{L_{3s}}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)$

$$H(s) = \frac{L_3L_4R_1R_4g_ms}{2L_3R_1R_4g_m + 2L_3R_4 + L_4R_1R_4g_m + L_4R_4 + s^2\left(C_3L_3L_4R_1R_4g_m + C_3L_3L_4R_4 + 2C_4L_3L_4R_1R_4g_m + 2C_4L_3L_4R_4\right) + s\left(2L_3L_4R_1g_m + 2L_3L_4\right)}$$

Parameters:

Wz: None

$$\begin{array}{c} \text{Q:} \ \frac{C_3R_4\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4}}{2} + C_4R_4\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4} \\ \text{wo:} \ \sqrt{\frac{2L_3+L_4}{C_3L_3L_4+2C_4L_3L_4}} \\ \text{bandwidth:} \ \frac{\sqrt{\frac{2L_3+L_4}{C_3L_3L_4+2C_4L_3L_4}}}{\frac{C_3R_4\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4}}}{\frac{2L_3}{2} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4}} + C_4R_4\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4}} \\ \text{K-LP: 0} \\ \text{K-HP: 0} \\ \text{K-HP: 0} \\ \text{K-BP:} \ \frac{R_1R_4g_m\sqrt{\frac{2}{C_3L_4+2C_4L_4}} + \frac{1}{C_3L_3L_4+2C_4L_3L_4}}}{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4}} \\ \text{Qz: None} \\ \text{Wz: None} \end{array}$$

3.9 BP-9
$$Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{L_3 R_1 R_3 R_4 g_m s}{R_1 R_3 R_4 g_m + R_3 R_4 + s^2 \left(C_3 L_3 R_1 R_3 R_4 g_m + C_3 L_3 R_3 R_4\right) + s \left(2 L_3 R_1 R_3 g_m + L_3 R_1 R_4 g_m + 2 L_3 R_3 + L_3 R_4\right)}$$

3.10 BP-10
$$Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{L_3 R_1 R_3 g_m s}{R_1 R_3 g_m + R_3 + s^2 \left(C_3 L_3 R_1 R_3 g_m + C_3 L_3 R_3 + 2 C_4 L_3 R_1 R_3 g_m + 2 C_4 L_3 R_3 \right) + s \left(L_3 R_1 g_m + L_3 \right)}$$

$$\begin{array}{l} \text{Q: } C_{3}R_{3}\sqrt{\frac{1}{C_{3}L_{3}+2C_{4}L_{3}}} + 2C_{4}R_{3}\sqrt{\frac{1}{C_{3}L_{3}+2C_{4}L_{3}}}\\ \text{wo: } \sqrt{\frac{1}{C_{3}L_{3}+2C_{4}L_{3}}}\\ \text{bandwidth: } \frac{\sqrt{\frac{1}{C_{3}L_{3}+2C_{4}L_{3}}}}{C_{3}R_{3}\sqrt{\frac{1}{C_{3}L_{3}+2C_{4}L_{3}}} + 2C_{4}R_{3}\sqrt{\frac{1}{C_{3}L_{3}+2C_{4}L_{3}}}}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{R_{1}R_{3}g_{m}}{R_{1}g_{m}+1}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

3.11 BP-11
$$Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_3 R_1 R_3 R_4 g_m s}{R_1 R_3 R_4 g_m + R_3 R_4 + s^2 \left(C_3 L_3 R_1 R_3 R_4 g_m + C_3 L_3 R_3 R_4 + 2 C_4 L_3 R_1 R_3 R_4 g_m + 2 C_4 L_3 R_3 R_4 \right) + s \left(2 L_3 R_1 R_3 g_m + L_3 R_1 R_4 g_m + 2 L_3 R_3 + L_3 R_4 \right)}$$

Parameters:

$$\begin{array}{c} Q \colon \frac{C_3R_3R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}}+2C_4R_3R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}}}{2R_3+R_4} \\ \text{wo: } \sqrt{\frac{1}{C_3L_3+2C_4L_3}} \\ \text{bandwidth: } \frac{(2R_3+R_4)\sqrt{\frac{1}{C_3L_3+2C_4L_3}}}{C_3R_3R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}}+2C_4R_3R_4\sqrt{\frac{1}{C_3L_3+2C_4L_3}}} \\ \text{K-LP: 0} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{R_1R_3R_4g_m}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4} \\ \text{Qz: None} \\ \text{Wz: None} \end{array}$$

3.12 BP-12
$$Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_3L_4R_1R_3g_ms}{2L_3R_1R_3g_m + 2L_3R_3 + L_4R_1R_3g_m + L_4R_3 + s^2\left(C_3L_3L_4R_1R_3g_m + C_3L_3L_4R_3 + 2C_4L_3L_4R_1R_3g_m + 2C_4L_3L_4R_3\right) + s\left(L_3L_4R_1g_m + L_3L_4\right)}$$

$$\begin{array}{c} \text{Q: } C_3R_3\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4} + 2C_4R_3\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4} \\ \text{wo: } \sqrt{\frac{2L_3+L_4}{C_3L_3L_4+2C_4L_3L_4}} \\ \text{bandwidth: } \frac{\sqrt{\frac{2L_3+L_4}{C_3L_3L_4+2C_4L_3L_4}}}{C_3R_3\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4}} + 2C_4R_3\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{L_4}{C_3L_3L_4+2C_4L_3L_4}} \\ \text{K-LP: 0} \\ \text{K-HP: 0} \\ \text{K-HP: 0} \\ \text{K-gp: } \frac{R_1R_3g_m\sqrt{\frac{2}{C_3L_4+2C_4L_3}} + \frac{1}{C_3L_3L_4+2C_4L_3}}{R_1g_m\sqrt{\frac{2L_3}{C_3L_3L_4+2C_4L_3L_4}} + \frac{1}{C_3L_3L_4+2C_4L_3L_4}} \\ \text{Qz: None} \\ \text{Wz: None} \end{array}$$

3.13 BP-13
$$Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_3L_4R_1R_3R_4g_ms}{2L_3R_1R_3R_4g_m + 2L_3R_3R_4 + L_4R_1R_3R_4g_m + L_4R_3R_4 + s^2\left(C_3L_3L_4R_1R_3R_4g_m + C_3L_3L_4R_3R_4 + 2C_4L_3L_4R_3R_4g_m + 2C_4L_3L_4R_3R_4\right) + s\left(2L_3L_4R_1R_3g_m + L_3L_4R_1R_4g_m + 2L_3L_4R_3R_4\right) + s\left(2L_3L_4R_1R_3g_m + L_3L_4R_1R_3R_4g_m + 2L_3L_4R_3R_4\right) + s\left(2L_3L_4R_1R_3g_m + L_3L_4R_1R_3R_4g_m + 2L_3L_4R_3R_4\right) + s\left(2L_3L_4R_1R_3g_m + L_3L_4R_3R_4\right) + s\left(2L_3L_4R_1R_3g_m + L_3L_4R_3R_4\right) + s\left(2L_3L_4R_1R_3g_m + 2L_3L_4R_3R_4\right) + s\left(2L_3L_4R_3R_4\right) + s\left(2L_3L_4R_4\right) + s\left(2L_3L_4R_4\right) + s\left(2L_3L_4R$$

$$\begin{array}{c} Q; & \frac{C_{3}R_{3}R_{4}\sqrt{\frac{2L_{3}}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}}{2R_{3}+R_{4}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}}{2R_{3}+R_{4}} \\ wo: & \sqrt{\frac{2L_{3}+L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} \\ bandwidth: & \frac{\sqrt{\frac{2L_{3}+L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}}}{C_{3}R_{3}R_{4}\sqrt{\frac{2L_{3}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + 2C_{4}R_{3}R_{4}\sqrt{\frac{2L_{3}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} \\ K-LP: 0 \\ K-HP: 0 & R_{1}R_{3}R_{4}g_{m}\sqrt{\frac{2}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}} + 2C_{4}R_{3}R_{4}\sqrt{\frac{2L_{3}}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} \\ K-BP: & \frac{R_{1}R_{3}R_{4}g_{m}\sqrt{\frac{2}{C_{3}L_{4}+2C_{4}L_{4}L_{4}}}}{2R_{1}R_{3}g_{m}\sqrt{\frac{2L_{3}}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + R_{1}R_{4}g_{m}\sqrt{\frac{2L_{3}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + 2R_{3}\sqrt{\frac{2L_{3}}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + R_{4}\sqrt{\frac{2L_{3}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + 2R_{3}\sqrt{\frac{2L_{3}}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + R_{4}\sqrt{\frac{2L_{3}}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}}} + R_{4}\sqrt{\frac{2L_{3}}{C_{3}L_{4}+2C_{4}L_{3}L_{4}}} + \frac{L_{4}}{C_{3}L_{3}L_{4}+2C_{4}L_{3}L_{4}} + \frac{L_{4}}{C_{3$$

3.14 BP-14 $Z(s) = \left(L_1 s, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{L_1 R_3 g_m s}{2C_4 L_1 R_3 g_m s^2 + s (2C_4 R_3 + L_1 g_m) + 1}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_4L_1R_3g_m\sqrt{\frac{1}{C_4L_1R_3g_m}}}{2C_4R_3+L_1g_m}\\ \text{wo:} \ \frac{\sqrt{2}\sqrt{\frac{1}{C_4L_1R_3g_m}}}{2}\\ \text{bandwidth:} \ \frac{2C_4R_3+L_1g_m}{2C_4L_1R_3g_m}\\ \text{K-LP:} \ 0\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{L_1R_3g_m}{2C_4R_3+L_1g_m}\\ \text{Qz:} \ \text{None}\\ \end{array}$$

3.15 BP-15
$$Z(s) = \left(L_1 s, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_3 R_4 g_m s}{2 C_4 L_1 R_3 R_4 g_m s^2 + 2 R_3 + R_4 + s \left(2 C_4 R_3 R_4 + 2 L_1 R_3 g_m + L_1 R_4 g_m \right)}$$

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_4L_1R_3R_4g_m\sqrt{\frac{2}{C_4L_1R_4g_m}} + \frac{1}{C_4L_1R_3g_m}}{2C_4R_3R_4 + 2L_1R_3g_m + L_1R_4g_m} \\ \text{wo:} \ \frac{\sqrt{2}\sqrt{\frac{2R_3+R_4}{C_4L_1R_3R_4g_m}}}{2} \\ \text{bandwidth:} \ \frac{\sqrt{\frac{2R_3+R_4}{C_4L_1R_3R_4g_m}}(2C_4R_3R_4 + 2L_1R_3g_m + L_1R_4g_m)}{2C_4L_1R_3R_4g_m\sqrt{\frac{2}{C_4L_1R_4g_m}} + \frac{1}{C_4L_1R_3g_m}} \\ \text{K-LP:} \ 0 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{L_1R_3R_4g_m}{2C_4R_3R_4 + 2L_1R_3g_m + L_1R_4g_m} \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \text{None} \end{array}$$

3.16 BP-16 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_{3}L_{1}R_{4}g_{m}\sqrt{\frac{1}{C_{3}L_{1}R_{4}g_{m}}}}{C_{3}R_{4}+2L_{1}g_{m}} \\ \text{wo:} \ \sqrt{2}\sqrt{\frac{1}{C_{3}L_{1}R_{4}g_{m}}} \\ \text{bandwidth:} \ \frac{C_{3}R_{4}+2L_{1}g_{m}}{C_{3}L_{1}R_{4}g_{m}} \\ \text{K-LP:} \ 0 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{L_{1}R_{4}g_{m}}{C_{3}R_{4}+2L_{1}g_{m}} \\ \text{Qz:} \ \text{None} \\ \\ \text{Wz:} \ \text{None} \end{array}$$

3.17 BP-17
$$Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

Parameters:

3.18 BP-18 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{C_3L_1R_3R_4g_m\sqrt{\frac{2}{C_3L_1R_4g_m}}+\frac{1}{C_3L_1R_3g_m}}{C_3R_3R_4+2L_1}R_3g_m+L_1R_4g_m} \\ \text{wo:} \ \sqrt{\frac{2R_3+R_4}{C_3L_1R_3R_4g_m}} \\ \text{bandwidth:} \ \frac{\sqrt{\frac{2R_3+R_4}{C_3L_1R_3R_4g_m}}(C_3R_3R_4+2L_1R_3g_m+L_1R_4g_m)}{C_3L_1R_3R_4g_m\sqrt{\frac{2}{C_3L_1R_4g_m}}+\frac{1}{C_3L_1R_3g_m}} \\ \text{K-LP:} \ 0 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{L_1R_3R_4g_m}{C_3R_3R_4+2L_1R_3g_m+L_1R_4g_m} \\ \text{Qz:} \ \text{None} \\ \\ \text{Wz:} \ \text{None} \end{array}$$

3.19 BP-19
$$Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_4 g_m s}{C_3 L_1 R_4 g_m s^2 + s \left(C_3 R_4 + 2L_1 g_m\right) + 2}$$

$$H(s) = \frac{L_1 R_4 g_m s}{s^2 \left(C_3 L_1 R_4 g_m + 2 C_4 L_1 R_4 g_m \right) + s \left(C_3 R_4 + 2 C_4 R_4 + 2 L_1 g_m \right) + 2}$$

$$H(s) = \frac{L_1 R_3 R_4 g_m s}{C_3 L_1 R_3 R_4 g_m s^2 + 2R_3 + R_4 + s \left(C_3 R_3 R_4 + 2L_1 R_3 g_m + L_1 R_4 g_m \right)}$$

$$H(s) = \frac{L_1 R_3 g_m s}{s^2 \left(C_3 L_1 R_3 g_m + 2 C_4 L_1 R_3 g_m\right) + s \left(C_3 R_3 + 2 C_4 R_3 + L_1 g_m\right) + 1}$$

$$\begin{array}{l} \text{Q:} \ \frac{C_3L_1R_3g_m\sqrt{\frac{1}{C_3L_1R_3g_m+2C_4L_1R_3g_m}}+2C_4L_1R_3g_m\sqrt{\frac{1}{C_3L_1R_3g_m+2C_4L_1R_3g_m}}}{C_3R_3+2C_4R_3+L_1g_m} \\ \text{wo:} \ \sqrt{\frac{1}{C_3L_1R_3g_m+2C_4L_1R_3g_m}} \\ \text{bandwidth:} \ \frac{(C_3R_3+2C_4R_3+L_1g_m)\sqrt{\frac{1}{C_3L_1R_3g_m+2C_4L_1R_3g_m}}}{C_3L_1R_3g_m\sqrt{\frac{1}{C_3L_1R_3g_m+2C_4L_1R_3g_m}}}+2C_4L_1R_3g_m\sqrt{\frac{1}{C_3L_1R_3g_m+2C_4L_1R_3g_m}}} \\ \text{K-LP:} \ 0 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{L_1R_3g_m}{C_3R_3+2C_4R_3+L_1g_m}} \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \text{None} \end{array}$$

3.20 BP-20
$$Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_3 R_4 g_m s}{2 R_3 + R_4 + s^2 \left(C_3 L_1 R_3 R_4 g_m + 2 C_4 L_1 R_3 R_4 g_m \right) + s \left(C_3 R_3 R_4 + 2 C_4 R_3 R_4 + 2 L_1 R_3 g_m + L_1 R_4 g_m \right)}$$

$$\begin{array}{c} \frac{2R_3}{GL_1R_3R_4gm} \sqrt{\frac{2R_3}{G_3L_1R_3R_4gm} + \frac{R_4}{G_3L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm}{G_3R_3R_4gm + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} \\ \text{Wo: } \sqrt{\frac{2R_3 + R_4}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm}}} \\ \text{bandwidth: } \frac{\sqrt{\frac{2R_3 + R_4}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm}}}{G_3R_3R_4gm + 2G_4L_1R_3R_4gm}} (C_3R_3R_4 + 2L_1R_3gm + L_1R_4gm)} \\ \text{bandwidth: } \frac{\sqrt{\frac{2R_3 + R_4}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm}}}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} + 2G_4L_1R_3R_4gm} \\ \text{K-LP: 0} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{L_1R_3R_4gm \sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm} + 2G_4R_3R_4\sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3gm + 2G_4L_1R_3gm}}}}{C_3R_3R_4\sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm}}} + 2G_4R_3R_4\sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3gm + 2G_4L_1R_3gm}}} \\ \text{K-BP: } \frac{L_1R_3R_4gm \sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm}}} + 2G_4R_3R_4\sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3gm + 2G_4L_1R_3gm}}} \\ \text{C_2: None} \\ \text{Wz. None} \\ \text{To note } \frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm} + 2G_4R_3R_4\sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3R_4gm}}} + 2G_4R_3R_4\sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3gm + 2G_4L_1R_3gm}}} + 2G_4R_3R_4\sqrt{\frac{2R_3}{G_3L_1R_3R_4gm + 2G_4L_1R_3gm +$$

3.21 BP-21
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, R_4, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_3 R_4 g_m s}{2R_3 + R_4 + s^2 \left(2C_1 L_1 R_3 + C_1 L_1 R_4\right) + s \left(2L_1 R_3 g_m + L_1 R_4 g_m\right)}$$

Parameters:

Q:
$$\frac{C_1\sqrt{\frac{1}{C_1L_1}}}{g_m}$$
 wo: $\sqrt{\frac{1}{C_1L_1}}$ bandwidth: $\frac{g_m}{C_1}$ K-LP: 0 K-HP: 0 K-BP: $\frac{R_3R_4}{2R_3+R_4}$ Qz: None Wz: None

3.22 BP-22
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, R_4, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_1 R_3 R_4 g_m s}{2 R_1 R_3 + R_1 R_4 + s^2 \left(2 C_1 L_1 R_1 R_3 + C_1 L_1 R_1 R_4\right) + s \left(2 L_1 R_1 R_3 g_m + L_1 R_1 R_4 g_m + 2 L_1 R_3 + L_1 R_4\right)}$$

Q:
$$\frac{C_1R_1\sqrt{\frac{1}{C_1L_1}}}{R_1g_m+1}$$
 wo: $\sqrt{\frac{1}{C_1L_1}}$ bandwidth: $\frac{R_1g_m+1}{C_1R_1}$ K-LP: 0 K-HP: 0

K-BP: $\frac{R_1R_3R_4g_m}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4}$ Qz: None Wz: None

4 LP

4.1 LP-1
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{4}R_{3}}}}{C_{1}+2C_{4}R_{3}g_{m}} \\ \text{wo:} \ \frac{\sqrt{2}\sqrt{\frac{g_{m}}{C_{1}C_{4}R_{3}}}}{2} \\ \text{bandwidth:} \ \frac{C_{1}+2C_{4}R_{3}g_{m}}{2C_{1}C_{4}R_{3}} \\ \text{K-LP:} \ R_{3} \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ 0 \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \text{None} \end{array}$$

4.2 LP-2 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_{1}C_{4}R_{3}R_{4}\sqrt{\frac{2g_{m}}{C_{1}C_{4}R_{4}}+\frac{g_{m}}{C_{1}C_{4}R_{3}}}}{2C_{1}R_{3}+C_{1}R_{4}+2C_{4}R_{3}R_{4}g_{m}}\\ \text{wo:} \ \frac{\sqrt{2}\sqrt{\frac{2R_{3}g_{m}+R_{4}g_{m}}{C_{1}C_{4}R_{3}R_{4}}}}{2}\\ \text{bandwidth:} \ \frac{\sqrt{\frac{2R_{3}g_{m}+R_{4}g_{m}}{C_{1}C_{4}R_{3}R_{4}}}(2C_{1}R_{3}+C_{1}R_{4}+2C_{4}R_{3}R_{4}g_{m})}{2C_{1}C_{4}R_{3}R_{4}\sqrt{\frac{2g_{m}}{C_{1}C_{4}R_{4}}+\frac{g_{m}}{C_{1}C_{4}R_{3}}}}\\ \text{K-LP:} \ \frac{R_{3}R_{4}}{2R_{3}+R_{4}}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ 0\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

4.3 LP-3 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

Q:
$$\frac{\sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}}}}{2C_{1}+C_{3}R_{4}g_{m}}$$
 wo:
$$\sqrt{2}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}}}$$
 bandwidth:
$$\frac{2C_{1}+C_{3}R_{4}g_{m}}{C_{1}C_{3}R_{4}}$$
 K-LP:
$$\frac{R_{4}}{2}$$
 K-HP: 0 K-BP: 0 Qz: None Wz: None

$$H(s) = \frac{R_3 g_m}{2C_1 C_4 R_3 s^2 + g_m + s \left(C_1 + 2C_4 R_3 g_m\right)}$$

$$H(s) = \frac{R_3 R_4 g_m}{2 C_1 C_4 R_3 R_4 s^2 + 2 R_3 g_m + R_4 g_m + s \left(2 C_1 R_3 + C_1 R_4 + 2 C_4 R_3 R_4 g_m\right)}$$

$$H(s) = \frac{R_4 g_m}{C_1 C_3 R_4 s^2 + 2g_m + s \left(2C_1 + C_3 R_4 g_m\right)}$$

4.4 LP-4
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

Q:
$$\frac{\sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}}+2\sqrt{2}C_{1}C_{4}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}}}{2C_{1}+C_{3}R_{4}g_{m}+2C_{4}R_{4}g_{m}}$$
wo:
$$\sqrt{2}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}}$$
bandwidth:
$$\frac{\sqrt{2}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}}(2C_{1}+C_{3}R_{4}g_{m}+2C_{4}R_{4}g_{m})}{\sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}}+2\sqrt{2}C_{1}C_{4}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}}}$$
K-LP:
$$\frac{R_{4}}{2}$$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

4.5 LP-5
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{C_1C_3R_3R_4\sqrt{\frac{2g_m}{C_1C_3R_4}+\frac{g_m}{C_1C_3R_3}}}{2C_1R_3+C_1R_4+C_3R_3R_4g_m} \\ \text{wo:} \ \sqrt{\frac{2R_3g_m+R_4g_m}{C_1C_3R_3R_4}} \\ \text{bandwidth:} \ \frac{\sqrt{\frac{2R_3g_m+R_4g_m}{C_1C_3R_3R_4}}(2C_1R_3+C_1R_4+C_3R_3R_4g_m)}{C_1C_3R_3R_4\sqrt{\frac{2g_m}{C_1C_3R_4}+\frac{g_m}{C_1C_3R_3}}} \\ \text{K-LP:} \ \frac{R_3R_4}{2R_3+R_4} \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ 0 \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \text{None} \end{array}$$

4.6 LP-6
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$\begin{array}{l} \text{Q:} \ \frac{C_{1}C_{3}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{3}+2C_{1}C_{4}R_{3}}}+2C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{3}+2C_{1}C_{4}R_{3}}}}{C_{1}+C_{3}R_{3}g_{m}+2C_{4}R_{3}g_{m}} \\ \text{wo:} \ \sqrt{\frac{g_{m}}{C_{1}C_{3}R_{3}+2C_{1}C_{4}R_{3}}} \\ \text{bandwidth:} \ \frac{\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{3}+2C_{1}C_{4}R_{3}}}(C_{1}+C_{3}R_{3}g_{m}+2C_{4}R_{3}g_{m})}{C_{1}C_{3}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{3}+2C_{1}C_{4}R_{3}}}+2C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{3}+2C_{1}C_{4}R_{3}}}} \\ \text{K-LP:} \ R_{3} \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ 0 \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \text{None} \end{array}$$

$$H(s) = \frac{R_4 g_m}{2g_m + s^2 \left(C_1 C_3 R_4 + 2C_1 C_4 R_4\right) + s \left(2C_1 + C_3 R_4 g_m + 2C_4 R_4 g_m\right)}$$

$$H(s) = \frac{R_3 R_4 g_m}{C_1 C_3 R_3 R_4 s^2 + 2R_3 g_m + R_4 g_m + s \left(2C_1 R_3 + C_1 R_4 + C_3 R_3 R_4 g_m\right)}$$

$$H(s) = \frac{R_3 g_m}{g_m + s^2 \left(C_1 C_3 R_3 + 2C_1 C_4 R_3\right) + s \left(C_1 + C_3 R_3 g_m + 2C_4 R_3 g_m\right)}$$

4.7 LP-7
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{R_3 R_4 g_m}{2 R_3 g_m + R_4 g_m + s^2 \left(C_1 C_3 R_3 R_4 + 2 C_1 C_4 R_3 R_4 \right) + s \left(2 C_1 R_3 + C_1 R_4 + C_3 R_3 R_4 g_m + 2 C_4 R_3 R_4 g_m \right)}$$

4.8 LP-8
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_3 g_m}{2C_1 C_4 R_1 R_3 s^2 + R_1 g_m + s \left(C_1 R_1 + 2C_4 R_1 R_3 g_m + 2C_4 R_3\right) + 1}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{2}C_{1}C_{4}R_{1}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{4}R_{3}}+\frac{1}{C_{1}C_{4}R_{1}R_{3}}}}{C_{1}R_{1}+2C_{4}R_{1}R_{3}g_{m}+2C_{4}R_{3}}\\ \text{wo:} \ \frac{\sqrt{2}\sqrt{\frac{R_{1}g_{m}+1}{C_{1}C_{4}R_{1}R_{3}}}}{2}\\ \text{bandwidth:} \ \frac{\sqrt{\frac{R_{1}g_{m}+1}{C_{1}C_{4}R_{1}R_{3}}}(C_{1}R_{1}+2C_{4}R_{1}R_{3}g_{m}+2C_{4}R_{3})}{2C_{1}C_{4}R_{1}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{4}R_{3}}+\frac{1}{C_{1}C_{4}R_{1}R_{3}}}}\\ \text{K-LP:} \ \frac{R_{1}R_{3}g_{m}}{R_{1}g_{m}+1}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ 0\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

4.9 LP-9
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{2 C_1 C_4 R_1 R_3 R_4 s^2 + 2 R_1 R_3 g_m + R_1 R_4 g_m + 2 R_3 + R_4 + s \left(2 C_1 R_1 R_3 + C_1 R_1 R_4 + 2 C_4 R_1 R_3 R_4 g_m + 2 C_4 R_3 R_4\right)}$$

Parameters:

Wz: None

$$\begin{array}{l} Q\colon \frac{\sqrt{2}C_{1}C_{4}R_{1}R_{3}R_{4}\sqrt{\frac{2g_{m}}{C_{1}C_{4}R_{4}}+\frac{g_{m}}{C_{1}C_{4}R_{3}}+\frac{2}{C_{1}C_{4}R_{1}R_{4}}+\frac{1}{C_{1}C_{4}R_{1}R_{3}}}}{2C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+2C_{4}R_{1}R_{3}R_{4}g_{m}+2C_{4}R_{3}R_{4}}}\\ \text{wo:} \ \frac{\sqrt{2}\sqrt{\frac{2R_{1}R_{3}g_{m}+R_{1}R_{3}g_{m}+2R_{3}+R_{4}}{C_{1}C_{4}R_{1}R_{3}R_{4}}}}}{\frac{2}{C_{1}C_{4}R_{1}R_{3}R_{4}}}\\ \text{bandwidth:} \ \frac{\sqrt{\frac{2R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}}{C_{1}C_{4}R_{1}R_{3}R_{4}}}}(2C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+2C_{4}R_{1}R_{3}R_{4}g_{m}+2C_{4}R_{3}R_{4}})}\\ \text{bandwidth:} \ \frac{2C_{1}C_{4}R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}}{C_{1}C_{4}R_{1}R_{3}}(2C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+2C_{4}R_{1}R_{3}R_{4}g_{m}+2C_{4}R_{3}R_{4})}\\ \text{bandwidth:} \ \frac{2C_{1}C_{4}R_{1}R_{3}g_{4}+\frac{g_{m}}{C_{1}C_{4}R_{4}}+\frac{g_{m}}{C_{1}C_{4}R_{3}}+\frac{2}{C_{1}C_{4}R_{1}R_{4}}+\frac{1}{C_{1}C_{4}R_{1}R_{3}}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}}}\\ \text{K-LP:} \ \frac{R_{1}R_{3}R_{4}g_{m}}{2R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}}}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ 0\\ \text{Qz:} \ \text{None} \end{array}$$

4.10 LP-10
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_4 g_m}{C_1 C_3 R_1 R_4 s^2 + 2R_1 g_m + s \left(2C_1 R_1 + C_3 R_1 R_4 g_m + C_3 R_4\right) + 2}$$

Q:
$$\frac{\sqrt{2}C_{1}C_{3}R_{1}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}}} + \frac{1}{C_{1}C_{3}R_{1}R_{4}}}{2C_{1}R_{1} + C_{3}R_{1}R_{4}g_{m} + C_{3}R_{4}}$$
wo:
$$\sqrt{\frac{2R_{1}g_{m} + 2}{C_{1}C_{3}R_{1}R_{4}}}$$
bandwidth:
$$\frac{\sqrt{2}\sqrt{\frac{2R_{1}g_{m} + 2}{C_{1}C_{3}R_{1}R_{4}}}(2C_{1}R_{1} + C_{3}R_{1}R_{4}g_{m} + C_{3}R_{4})}{2C_{1}C_{3}R_{1}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{4}}} + \frac{1}{C_{1}C_{3}R_{1}R_{4}}}}$$
K-LP:
$$\frac{R_{1}R_{4}g_{m}}{2R_{1}g_{m} + 2}$$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

4.11 LP-11 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{R_1 R_4 g_m}{2R_1 g_m + s^2 \left(C_1 C_3 R_1 R_4 + 2C_1 C_4 R_1 R_4\right) + s \left(2C_1 R_1 + C_3 R_1 R_4 g_m + C_3 R_4 + 2C_4 R_1 R_4 g_m + 2C_4 R_4\right) + 2}$$

Parameters:

$$Q: \frac{\sqrt{2}C_{1}C_{3}R_{1}R_{4}\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}} + \frac{1}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}}{2C_{1}R_{1}+C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}} + 2\sqrt{2}C_{1}C_{4}R_{1}R_{4}\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}}} \\ \text{wo: } \sqrt{\frac{2R_{1}g_{m}+2}}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}}} \\ \text{bandwidth: } \frac{\sqrt{\frac{2R_{1}g_{m}+2}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}}} (2C_{1}R_{1}+C_{3}R_{1}R_{4}g_{m}+C_{3}R_{4}+2C_{4}R_{1}R_{4}g_{m}+2C_{4}R_{4}}) \\ \frac{\sqrt{\frac{2R_{1}g_{m}+2}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}}}{\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}} + \frac{1}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}} + 2\sqrt{2}C_{1}C_{4}R_{1}R_{4}\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}}}} \\ \text{K-LP: } \frac{R_{1}R_{4}g_{m}}{2R_{1}g_{m}+2}} \\ \text{K-HP: } 0 \\ \text{K-BP: } 0 \\ \text{Qz: None} \\ \text{Wz: None} \\ \end{aligned}$$

4.12 LP-12 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{C_1 C_3 R_1 R_3 R_4 s^2 + 2 R_1 R_3 g_m + R_1 R_4 g_m + 2 R_3 + R_4 + s \left(2 C_1 R_1 R_3 + C_1 R_1 R_4 + C_3 R_1 R_3 R_4 g_m + C_3 R_3 R_4\right)}$$

Parameters:

Wz: None

$$\begin{array}{l} \text{Q:} \ \frac{C_1C_3R_1R_3R_4\sqrt{\frac{2g_m}{C_1C_3R_4}+\frac{g_m}{C_1C_3R_3}+\frac{2}{C_1C_3R_1R_4}+\frac{1}{C_1C_3R_1R_3}}}{2C_1R_1R_3+C_1R_1R_4+C_3R_1R_3R_4g_m+C_3R_3R_4}\\ \text{wo:} \ \sqrt{\frac{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4}{C_1C_3R_1R_3R_4}}\\ \text{bandwidth:} \ \frac{\sqrt{\frac{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4}{C_1C_3R_1R_3R_4}}(2C_1R_1R_3+C_1R_1R_4+C_3R_1R_3R_4g_m+C_3R_3R_4)}}{C_1C_3R_1R_3R_4\sqrt{\frac{2g_m}{C_1C_3R_4}+\frac{g_m}{C_1C_3R_3}+\frac{2}{C_1C_3R_1R_3}+\frac{1}{C_1C_3R_1R_3}}}\\ \text{K-LP:} \ \frac{R_1R_3R_4g_m}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4}}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ 0\\ \text{Qz:} \ \text{None} \end{array}$$

4.13 LP-13
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_3 g_m}{R_1 g_m + s^2 \left(C_1 C_3 R_1 R_3 + 2 C_1 C_4 R_1 R_3 \right) + s \left(C_1 R_1 + C_3 R_1 R_3 g_m + C_3 R_3 + 2 C_4 R_1 R_3 g_m + 2 C_4 R_3 \right) + 1}$$

$$Q\colon \frac{C_{1}C_{3}R_{1}R_{3}\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}} + \frac{1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}}{C_{1}R_{1}+C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}} + 2C_{1}C_{4}R_{1}R_{3}\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}} + \frac{1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}}$$

$$\text{wo: } \sqrt{\frac{R_{1}g_{m}+1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}}$$

$$\text{bandwidth: } \frac{\sqrt{\frac{R_{1}g_{m}+1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}} (C_{1}R_{1}+C_{3}R_{1}R_{3}g_{m}+C_{3}R_{3}+2C_{4}R_{1}R_{3}g_{m}+2C_{4}R_{3}})$$

$$\frac{R_{1}g_{m}+1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}} (C_{1}R_{1}+C_{3}R_{1}R_{3}g_{m}+C_{3}R_{3}+2C_{4}R_{1}R_{3}g_{m}+2C_{4}R_{3})$$

$$\frac{R_{1}g_{m}+1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}} + \frac{1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}} + 2C_{1}C_{4}R_{1}R_{3}\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}} + \frac{1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}} + 2C_{1}C_{4}R_{1}R_{3}\sqrt{\frac{R_{1}g_{m}}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}}} + \frac{1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}} + \frac{1}{C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{$$

4.14 LP-14 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{2 R_1 R_3 g_m + R_1 R_4 g_m + 2 R_3 + R_4 + s^2 \left(C_1 C_3 R_1 R_3 R_4 + 2 C_1 C_4 R_1 R_3 R_4 \right) + s \left(2 C_1 R_1 R_3 + C_1 R_1 R_4 + C_3 R_1 R_3 R_4 g_m + C_3 R_3 R_4 + 2 C_4 R_1 R_3 R_4 g_m + 2 C_4 R_3 R_4 \right)}{2 R_1 R_3 g_m + R_1 R_4 g_m + 2 R_3 + R_4 + s^2 \left(C_1 C_3 R_1 R_3 R_4 + 2 C_1 C_4 R_1 R_3 R_4 \right) + s \left(2 C_1 R_1 R_3 + C_1 R_1 R_4 + C_3 R_1 R_3 R_4 + 2 C_4 R_1 R_3 R_4 + 2 C_4 R_1 R_3 R_4 \right)}$$

Parameters:

```
 \begin{array}{c} \text{Q:} \frac{2R_{1}R_{3}R_{3}}{C_{1}C_{3}R_{1}R_{3}R_{4}} \sqrt{\frac{2R_{1}R_{3}R_{3}}{C_{1}C_{3}R_{1}R_{3}R_{4}} + \frac{R_{1}R_{3}R_{3}}{C_{1}C_{3}R_{1}R_{3}R_{4}} + \frac{2R_{3}}{C_{1}C_{3}R_{1}R_{3}R_{4}} + \frac{2R_{3}}{C_{1
```

4.15 LP-15 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{L_1 g_m}{C_3 + 2C_4 + s^2 (C_1 C_3 L_1 + 2C_1 C_4 L_1) + s (C_3 L_1 g_m + 2C_4 L_1 g_m)}$$

Parameters:

Q:
$$\frac{C_1\sqrt{\frac{1}{C_1L_1}}}{g_m}$$
 wo:
$$\sqrt{\frac{1}{C_1L_1}}$$
 bandwidth:
$$\frac{g_m}{C_1}$$
 K-LP:
$$\frac{L_1g_m}{C_1}$$
 K-HP:
$$0$$
 K-BP:
$$0$$
 Qz: None Wz: None

4.16 LP-16 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{L_1 R_1 g_m}{C_3 R_1 + 2 C_4 R_1 + s^2 \left(C_1 C_3 L_1 R_1 + 2 C_1 C_4 L_1 R_1 \right) + s \left(C_3 L_1 R_1 g_m + C_3 L_1 + 2 C_4 L_1 R_1 g_m + 2 C_4 L_1 \right)}$$

Q:
$$\frac{C_1R_1\sqrt{\frac{1}{C_1L_1}}}{R_1g_m+1}$$

wo: $\sqrt{\frac{1}{C_1L_1}}$
bandwidth: $\frac{R_1g_m+1}{C_1R_1}$
K-LP: $\frac{L_1g_m}{C_3+2C_4}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

5 BS

5.1 BS-1
$$Z(s) = \left(R_1, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 R_1 R_3 g_m s^2 + R_1 R_3 g_m}{R_1 g_m + s^2 \left(C_4 L_4 R_1 g_m + C_4 L_4 \right) + s \left(2 C_4 R_1 R_3 g_m + 2 C_4 R_3 \right) + 1}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{L_4\sqrt{\frac{1}{C_4L_4}}}{2R_3} \\ \text{wo:} \ \sqrt{\frac{1}{C_4L_4}} \\ \text{bandwidth:} \ \frac{2R_3}{L_4} \\ \text{K-LP:} \ \frac{R_1R_3g_m}{R_1g_m+1} \\ \text{K-HP:} \ \frac{R_1R_3g_m}{R_1g_m+1} \\ \text{K-BP:} \ 0 \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \sqrt{\frac{1}{C_4L_4}} \end{array}$$

5.2 BS-2
$$Z(s) = \left(R_1, \infty, R_3, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^2\left(2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_4\right) + s\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4\right)}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{2L_4R_3\sqrt{\frac{1}{C_4L_4}} + L_4R_4\sqrt{\frac{1}{C_4L_4}}}{2R_3R_4} \\ \text{wo:} \ \sqrt{\frac{1}{C_4L_4}} \\ \text{bandwidth:} \ \frac{2R_3R_4\sqrt{\frac{1}{C_4L_4}}}{2L_4R_3\sqrt{\frac{1}{C_4L_4}} + L_4R_4\sqrt{\frac{1}{C_4L_4}}} \\ \text{K-LP:} \ \frac{R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4} \\ \text{K-HP:} \ \frac{R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4} \\ \text{K-BP:} \ 0 \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \sqrt{\frac{1}{C_4L_4}} \end{array}$$

5.3 BS-3
$$Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_3R_1R_4g_ms^2 + R_1R_4g_m}{2R_1g_m + s^2\left(2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(C_3R_1R_4g_m + C_3R_4\right) + 2}$$

Q:
$$\frac{2L_3\sqrt{\frac{1}{C_3L_3}}}{R_4}$$

wo:
$$\sqrt{\frac{1}{C_3L_3}}$$
 bandwidth: $\frac{R_4}{2L_3}$ K-LP: $\frac{R_1R_4g_m}{2R_1g_m+2}$ K-HP: $\frac{R_1R_4g_m}{2R_1g_m+2}$ K-BP: 0 Qz: None Wz: $\sqrt{\frac{1}{C_3L_3}}$

5.4 BS-4
$$Z(s) = \left(R_1, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_3R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^2\left(2C_3L_3R_1R_3g_m + C_3L_3R_1R_4g_m + 2C_3L_3R_3 + C_3L_3R_4\right) + s\left(C_3R_1R_3R_4g_m + C_3R_3R_4\right)}$$

$$Q: \frac{2L_{3}R_{3}\sqrt{\frac{1}{C_{3}L_{3}}} + L_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{3}}}}{R_{3}R_{4}}$$
 wo:
$$\sqrt{\frac{1}{C_{3}L_{3}}}$$
 bandwidth:
$$\frac{R_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{3}}}}{2L_{3}R_{3}\sqrt{\frac{1}{C_{3}L_{3}}} + L_{3}R_{4}\sqrt{\frac{1}{C_{3}L_{3}}}}$$
 K-LP:
$$\frac{R_{1}R_{3}R_{4}g_{m}}{2R_{1}R_{3}g_{m} + R_{1}R_{4}g_{m} + 2R_{3} + R_{4}}$$
 K-HP:
$$\frac{R_{1}R_{3}R_{4}g_{m}}{2R_{1}R_{3}g_{m} + R_{1}R_{4}g_{m} + 2R_{3} + R_{4}}$$
 K-BP: 0 Qz: None Wz:
$$\sqrt{\frac{1}{C_{3}L_{3}}}$$

5.5 BS-5
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_1 L_1 R_3 R_4 g_m s^2 + R_3 R_4 g_m}{2R_3 g_m + R_4 g_m + s^2 \left(2C_1 L_1 R_3 g_m + C_1 L_1 R_4 g_m\right) + s \left(2C_1 R_3 + C_1 R_4\right)}$$

Parameters:

Q:
$$L_1 g_m \sqrt{\frac{1}{C_1 L_1}}$$

wo: $\sqrt{\frac{1}{C_1 L_1}}$
bandwidth: $\frac{1}{L_1 g_m}$
K-LP: $\frac{R_3 R_4}{2R_3 + R_4}$
K-HP: $\frac{R_3 R_4}{2R_3 + R_4}$
K-BP: 0
Qz: None
Wz: $\sqrt{\frac{1}{C_1 L_1}}$

5.6 BS-6
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^2\left(2C_1L_1R_1R_3g_m + C_1L_1R_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4\right)}$$

Q:
$$\frac{L_1 R_1 g_m \sqrt{\frac{1}{C_1 L_1}} + L_1 \sqrt{\frac{1}{C_1 L_1}}}{R_1}$$
 wo:
$$\sqrt{\frac{1}{C_1 L_1}}$$
 bandwidth:
$$\frac{R_1 \sqrt{\frac{1}{C_1 L_1}}}{L_1 R_1 g_m \sqrt{\frac{1}{C_1 L_1}} + L_1 \sqrt{\frac{1}{C_1 L_1}}}$$
 K-LP:
$$\frac{R_1 R_3 R_4 g_m}{2R_1 R_3 g_m + R_1 R_3 R_4 g_m}$$

K-HP:
$$\frac{R_1R_3R_4g_m}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4}$$
 K-BP: 0 Qz: None Wz:
$$\sqrt{\frac{1}{C_1L_1}}$$

6 GE

6.1 GE-1
$$Z(s) = \left(R_1, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_3g_ms^2 + C_4R_1R_3R_4g_ms + R_1R_3g_m}{R_1g_m + s^2\left(C_4L_4R_1g_m + C_4L_4\right) + s\left(2C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_3 + C_4R_4\right) + 1}$$

Parameters:

$$\begin{aligned} &\text{Q: } \frac{L_4\sqrt{\frac{1}{C_4L_4}}}{2R_3+R_4} \\ &\text{wo: } \sqrt{\frac{1}{C_4L_4}} \\ &\text{bandwidth: } \frac{2R_3+R_4}{L_4} \\ &\text{K-LP: } \frac{R_1R_3g_m}{R_1g_m+1} \\ &\text{K-HP: } \frac{R_1R_3g_m}{R_1g_m+1} \\ &\text{K-BP: } \frac{R_1R_3g_m+R_1R_3R_4g_m}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4} \\ &\text{Qz: } \frac{L_4\sqrt{\frac{1}{C_4L_4}}}{R_4} \\ &\text{Wz: } \sqrt{\frac{1}{C_4L_4}} \end{aligned}$$

6.2 GE-2
$$Z(s) = \left(R_1, \infty, R_3, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + L_4R_1R_3g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^2\left(2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_4\right) + s\left(L_4R_1g_m + L_4\right)}$$

Parameters:

$$\begin{array}{l} \text{Q: } 2C_4R_3\sqrt{\frac{1}{C_4L_4}} + C_4R_4\sqrt{\frac{1}{C_4L_4}}\\ \text{wo: } \sqrt{\frac{1}{C_4L_4}}\\ \text{bandwidth: } \frac{\sqrt{\frac{1}{C_4L_4}}}{2C_4R_3\sqrt{\frac{1}{C_4L_4}} + C_4R_4\sqrt{\frac{1}{C_4L_4}}}\\ \text{K-LP: } \frac{R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4}\\ \text{K-HP: } \frac{R_1R_3R_4g_m}{2R_1R_3g_m} + R_1R_4g_m + 2R_3 + R_4}\\ \text{K-BP: } \frac{R_1R_3g_m}{R_1g_m + 1}\\ \text{Qz: } C_4R_4\sqrt{\frac{1}{C_4L_4}}\\ \text{Wz: } \sqrt{\frac{1}{C_4L_4}} \end{array}$$

6.3 GE-3
$$Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_3R_1R_4g_ms^2 + C_3R_1R_3R_4g_ms + R_1R_4g_m}{2R_1g_m + s^2\left(2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4\right) + 2}$$

Q:
$$\frac{2L_3\sqrt{\frac{1}{C_3L_3}}}{2R_3+R_4}$$

wo: $\sqrt{\frac{1}{C_3L_3}}$
bandwidth: $\frac{2R_3+R_4}{2L_3}$
K-LP: $\frac{R_1R_4g_m}{2R_1g_m+2}$

K-HP:
$$\frac{R_1R_4g_m}{2R_1g_m+2}$$

K-BP: $\frac{R_1R_3R_4g_m}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4}$
Qz: $\frac{L_3\sqrt{\frac{1}{C_3L_3}}}{R_3}$
Wz: $\sqrt{\frac{1}{C_3L_3}}$

6.4 GE-4
$$Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_3R_1R_3R_4g_ms^2 + L_3R_1R_4g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^2\left(2C_3L_3R_1R_3g_m + C_3L_3R_1R_4g_m + 2C_3L_3R_3 + C_3L_3R_4\right) + s\left(2L_3R_1g_m + 2L_3\right)}$$

$$\begin{aligned} &\text{Q: } C_3 R_3 \sqrt{\frac{1}{C_3 L_3}} + \frac{C_3 R_4 \sqrt{\frac{1}{C_3 L_3}}}{2} \\ &\text{wo: } \sqrt{\frac{1}{C_3 L_3}} \\ &\text{bandwidth: } \frac{\sqrt{\frac{1}{C_3 L_3}}}{C_3 R_3 \sqrt{\frac{1}{C_3 L_3}} + \frac{C_3 R_4 \sqrt{\frac{1}{C_3 L_3}}}{2}} \\ &\text{K-LP: } \frac{R_1 R_3 R_4 g_m}{2R_1 R_3 g_m + R_1 R_4 g_m + 2R_3 + R_4} \\ &\text{K-HP: } \frac{R_1 R_3 g_m + R_1 R_4 g_m}{2R_1 R_3 g_m + R_1 R_4 g_m + 2R_3 + R_4} \\ &\text{K-BP: } \frac{R_1 R_4 g_m}{2R_1 g_m + 2} \\ &\text{Qz: } C_3 R_3 \sqrt{\frac{1}{C_3 L_3}} \\ &\text{Wz: } \sqrt{\frac{1}{C_3 L_3}} \end{aligned}$$

6.5 GE-5
$$Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1R_3R_4g_ms^2 + C_1R_1R_3R_4g_ms + R_3R_4g_m}{2R_3g_m + R_4g_m + s^2\left(2C_1L_1R_3g_m + C_1L_1R_4g_m\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3 + C_1R_4\right)}$$

Parameters:

$$\begin{aligned} & \text{Q:} \ \frac{L_{1}g_{m}\sqrt{\frac{1}{C_{1}L_{1}}}}{R_{1}g_{m}+1} \\ & \text{wo:} \ \sqrt{\frac{1}{C_{1}L_{1}}} \\ & \text{bandwidth:} \ \frac{R_{1}g_{m}+1}{L_{1}g_{m}} \\ & \text{K-LP:} \ \frac{R_{3}R_{4}}{2R_{3}+R_{4}} \\ & \text{K-HP:} \ \frac{R_{3}R_{4}}{2R_{3}+R_{4}} \\ & \text{K-BP:} \ \frac{R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}}{2R_{1}C_{1}L_{1}} \\ & \text{Qz:} \ \frac{L_{1}\sqrt{\frac{1}{C_{1}L_{1}}}}{R_{1}} \\ & \text{Wz:} \ \sqrt{\frac{1}{C_{1}L_{1}}} \end{aligned}$$

6.6 GE-6
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1R_1R_3R_4g_ms^2 + L_1R_3R_4g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^2\left(2C_1L_1R_1R_3g_m + C_1L_1R_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_4\right) + s\left(2L_1R_3g_m + L_1R_4g_m\right)}$$

$$\begin{aligned} & \text{Q:} \ \frac{C_1 R_1 g_m \sqrt{\frac{1}{C_1 L_1}} + C_1 \sqrt{\frac{1}{C_1 L_1}}}{g_m} \\ & \text{wo:} \ \sqrt{\frac{1}{C_1 L_1}} \end{aligned} \\ & \text{bandwidth:} \ \frac{g_m \sqrt{\frac{1}{C_1 L_1}}}{C_1 R_1 g_m \sqrt{\frac{1}{C_1 L_1}} + C_1 \sqrt{\frac{1}{C_1 L_1}}} \\ & \text{K-LP:} \ \frac{R_1 R_3 R_4 g_m}{2 R_1 R_3 g_m + R_1 R_4 g_m + 2 R_3 + R_4} \\ & \text{K-HP:} \ \frac{R_1 R_3 R_4 g_m}{2 R_1 R_3 g_m + R_1 R_4 g_m + 2 R_3 + R_4} \end{aligned}$$

$$\begin{array}{l} \text{K-BP: } \frac{R_3R_4}{2R_3+R_4} \\ \text{Qz: } C_1R_1\sqrt{\frac{1}{C_1L_1}} \\ \text{Wz: } \sqrt{\frac{1}{C_1L_1}} \end{array}$$

7 AP

INVALID-NUMER

8.1 INVALID-NUMER-1 $Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 R_1 R_3 R_4 g_m s + R_1 R_3 g_m}{R_1 g_m + s^2 \left(C_3 C_4 R_1 R_3 R_4 g_m + C_3 C_4 R_3 R_4 \right) + s \left(C_3 R_1 R_3 g_m + C_3 R_3 + 2 C_4 R_1 R_3 g_m + C_4 R_1 R_4 g_m + 2 C_4 R_3 + C_4 R_4 \right) + 1}$$

Parameters:

Q: $\frac{C_3C_4R_3R_4\sqrt{\frac{1}{C_3C_4R_3R_4}}}{C_3R_3+2C_4R_3+C_4R_4}$ wo: $\sqrt{\frac{1}{C_3C_4R_3R_4}}$

bandwidth: $\frac{C_3 R_3 + 2C_4 R_3 + C_4 R_4}{C_3 C_4 R_3 R_4}$ K-LP: $\frac{R_1 R_3 g_m}{R_1 g_m + 1}$ K-HP: 0

K-BP: $\frac{C_4R_1R_3R_4g_m}{C_3R_1R_3g_m+C_3R_3+2C_4R_1R_3g_m+C_4R_1R_4g_m+2C_4R_3+C_4R_4}$ Qz: None

Wz: None

8.2 INVALID-NUMER-2 $Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3R_1R_3R_4g_ms + R_1R_4g_m}{2R_1g_m + s^2\left(2C_3C_4R_1R_3R_4g_m + 2C_3C_4R_3R_4\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + 2C_4R_4g_m}$$

Parameters:

Q: $\frac{2C_3C_4R_3R_4\sqrt{\frac{1}{C_3C_4R_3R_4}}}{2C_3R_3+C_3R_4+2C_4R_4}$ WO: $\sqrt{\frac{1}{C_3 C_4 R_3 R_4}}$ bandwidth: $\frac{2C_3R_3 + C_3R_4 + 2C_4R_4}{2C_3C_4R_3R_4}$ K-LP: $\frac{R_1 R_4 g_m}{2R_1 g_m + 2}$ K-HP: 0^{2n}

K-BP: $\frac{C_3R_1R_3R_4g_m}{2C_3R_1R_3g_m+C_3R_1R_4g_m+2C_3R_3+C_3R_4+2C_4R_1R_4g_m+2C_4R_4}$ Qz: None

Wz: None

8.3 INVALID-NUMER-3 $Z(s) = \left(L_1 s, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_1 R_3 R_4 g_m s^2 + L_1 R_3 g_m s}{s^2 \left(2 C_4 L_1 R_3 g_m + C_4 L_1 R_4 g_m\right) + s \left(2 C_4 R_3 + C_4 R_4 + L_1 g_m\right) + 1}$$

Q:
$$\frac{2C_4L_1R_3g_m\sqrt{\frac{1}{2C_4L_1R_3g_m+C_4L_1R_4g_m}}+C_4L_1R_4g_m\sqrt{\frac{1}{2C_4L_1R_3g_m+C_4L_1R_4g_m}}}{2C_4R_3+C_4R_4+L_1g_m}$$
 wo:
$$\sqrt{\frac{1}{2C_4L_1R_3g_m+C_4L_1R_4g_m}}$$
 bandwidth:
$$\frac{(2C_4R_3+C_4R_4+L_1g_m)\sqrt{\frac{1}{2C_4L_1R_3g_m+C_4L_1R_4g_m}}}{2C_4L_1R_3g_m\sqrt{\frac{1}{2C_4L_1R_3g_m+C_4L_1R_4g_m}}+C_4L_1R_4g_m\sqrt{\frac{1}{2C_4L_1R_3g_m+C_4L_1R_4g_m}}}$$
 K-LP: 0 K-HP:
$$\frac{R_3R_4}{2R_2+R_4}$$

K-BP: $\frac{L_1R_3g_m}{2C_4R_3+C_4R_4+L_1g_m}$ Qz: None

Wz: None

8.4 INVALID-NUMER-4 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_4 L_1 R_4 g_m s + L_1 g_m}{C_3 C_4 L_1 R_4 g_m s^2 + C_3 + 2 C_4 + s \left(C_3 C_4 R_4 + C_3 L_1 g_m + 2 C_4 L_1 g_m \right)}$

Parameters:

Q: $\frac{C_3C_4L_1R_4g_m\sqrt{\frac{1}{C_4L_1R_4g_m}+\frac{2}{C_3L_1R_4g_m}}}{C_3C_4R_4+C_3L_1g_m+2C_4L_1g_m}$ wo: $\sqrt{\frac{C_3 + 2C_4}{C_3C_4L_1R_4g_m}}$ bandwidth: $\frac{\sqrt{\frac{C_3 + 2C_4}{C_3C_4L_1R_4g_m}}(C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m)}{C_3C_4L_1R_4g_m\sqrt{\frac{1}{C_4L_1R_4g_m} + \frac{2}{C_3L_1R_4g_m}}}$ K-LP: $\frac{L_1g_m}{C_3+2C_4}$ K-HP: 0 K-BP: $\frac{C_4L_1R_4g_m}{C_3C_4R_4+C_3L_1g_m+2C_4L_1g_m}$ Qz: None

8.5 INVALID-NUMER-5 $Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

 $H(s) = \frac{C_3 L_1 R_3 R_4 g_m s^2 + L_1 R_4 g_m s}{s^2 \left(2 C_3 L_1 R_3 g_m + C_3 L_1 R_4 g_m\right) + s \left(2 C_3 R_3 + C_3 R_4 + 2 L_1 g_m\right) + 2}$

Parameters:

Wz: None

Q: $\frac{2\sqrt{2}C_3L_1R_3g_m\sqrt{\frac{1}{2C_3L_1R_3g_m+C_3L_1R_4g_m}}+\sqrt{2}C_3L_1R_4g_m\sqrt{\frac{1}{2C_3L_1R_3g_m+C_3L_1R_4g_m}}}{2C_3R_3+C_3R_4+2L_1g_m}$ wo: $\sqrt{2}\sqrt{\frac{1}{2C_3L_1R_3g_m+C_3L_1R_4g_m}}$ bandwidth: $\frac{\sqrt{2}(2C_3R_3+C_3R_4+2L_1g_m)\sqrt{\frac{1}{2C_3L_1R_3g_m+C_3L_1R_4g_m}}}{2\sqrt{2}C_3L_1R_3g_m\sqrt{\frac{1}{2C_3L_1R_3g_m+C_3L_1R_4g_m}}}+\sqrt{2}C_3L_1R_4g_m\sqrt{\frac{1}{2C_3L_1R_3g_m+C_3L_1R_4g_m}}$ K-HP: $\frac{R_3R_4}{2R_3+R_4}$ K-BP: $\frac{L_1R_4g_m}{2C_3R_3+C_3R_4+2L_1g_m}$ Qz: None Wz: None

8.6 INVALID-NUMER-6 $Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_3L_1R_3g_ms + L_1g_m}{2C_3C_4L_1R_3g_ms^2 + C_3 + 2C_4 + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}$

Parameters:

Q: $\frac{\sqrt{2}C_{3}C_{4}L_{1}R_{3}g_{m}\sqrt{\frac{1}{C_{4}L_{1}R_{3}g_{m}} + \frac{2}{C_{3}L_{1}R_{3}g_{m}}}}{\frac{2C_{3}C_{4}R_{3} + C_{3}L_{1}g_{m} + 2C_{4}L_{1}g_{m}}{\sqrt{2}\sqrt{\frac{C_{3} + 2C_{4}}{C_{3}C_{4}L_{1}R_{3}g_{m}}}}}$ wo: bandwidth: $\frac{2\sqrt{\frac{C_3+2C_4}{C_3C_4L_1R_3g_m}}(2C_3C_4R_3+C_3L_1g_m+2C_4L_1g_m)}{2C_3C_4L_1R_3g_m\sqrt{\frac{1}{C_4L_1R_3g_m}}+\frac{2}{C_3L_1R_3g_m}}$ K-LP: $\frac{L_1g_m}{C_3+2C_4}$ K-HP: 0

K-BP: $\frac{C_3L_1R_3g_m}{2C_3C_4R_3+C_3L_1g_m+2C_4L_1g_m}$ Qz: None Wz: None

8.7 INVALID-NUMER-7 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 R_3 R_4 g_m s + R_3 g_m}{g_m + s^2 \left(2 C_1 C_4 R_3 + C_1 C_4 R_4\right) + s \left(C_1 + 2 C_4 R_3 g_m + C_4 R_4 g_m\right)}$$

Parameters:

$$\begin{array}{c} \text{Q:} \ \frac{2C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}} + C_{1}C_{4}R_{4}\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}}}{C_{1}+2C_{4}R_{3}g_{m}+C_{4}R_{4}g_{m}} \\ \text{wo:} \ \sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}} \\ \text{bandwidth:} \ \frac{\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}} (C_{1}+2C_{4}R_{3}g_{m}+C_{4}R_{4}g_{m})}{2C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}} + C_{1}C_{4}R_{4}\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}}} \\ \text{K-LP:} \ R_{3} \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{C_{4}R_{3}R_{4}g_{m}}{C_{1}+2C_{4}R_{3}g_{m}+C_{4}R_{4}g_{m}}}{C_{2}: \ \text{None}} \\ \text{Wz:} \ \text{None} \end{array}$$

8.8 INVALID-NUMER-8 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_3 R_3 R_4 g_m s + R_4 g_m}{2g_m + s^2 \left(2C_1 C_3 R_3 + C_1 C_3 R_4\right) + s \left(2C_1 + 2C_3 R_3 g_m + C_3 R_4 g_m\right)}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{2\sqrt{2}C_{1}C_{3}R_{3}\sqrt{\frac{g_{m}}{2C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}}}+\sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{2C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}}}}{2C_{1}+2C_{3}R_{3}g_{m}+C_{3}R_{4}g_{m}}\\ \text{wo:} \ \sqrt{2}\sqrt{\frac{g_{m}}{2C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}}}\\ \text{bandwidth:} \ \frac{\sqrt{2}\sqrt{\frac{g_{m}}{2C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}}}(2C_{1}+2C_{3}R_{3}g_{m}+C_{3}R_{4}g_{m})}{2\sqrt{2}C_{1}C_{3}R_{3}\sqrt{\frac{g_{m}}{2C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}}}+\sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{2C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}}}}\\ \text{K-LP:} \ \frac{R_{4}}{2}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{C_{3}R_{3}R_{4}g_{m}}{2C_{1}+2C_{3}R_{3}g_{m}+C_{3}R_{4}g_{m}}}\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

8.9 INVALID-NUMER-9 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 R_1 R_3 R_4 g_m s + R_1 R_3 g_m}{R_1 g_m + s^2 \left(2 C_1 C_4 R_1 R_3 + C_1 C_4 R_1 R_4\right) + s \left(C_1 R_1 + 2 C_4 R_1 R_3 g_m + C_4 R_1 R_4 g_m + 2 C_4 R_3 + C_4 R_4\right) + 1}$$

$$\begin{array}{c} \text{Q:} \frac{2C_1C_4R_1R_3\sqrt{\frac{R_1g_m}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_4\sqrt{\frac{R_1g_m}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_4\sqrt{\frac{R_1g_m}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_4\sqrt{\frac{R_1g_m}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} \\ \text{wo:} \sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_3 + C_4R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_3 + C_4R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_4 + 2C_1C_4R_1R_4 + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_4 + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} \\ \text{bandwidth:} \frac{\sqrt{\frac{R_1g_m+1}{2C_1C_4R_1R_3+C_1C_4R_1R_4}} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} + 2C_1C_4R_1R_3 + C_1C_4R_1R_4} {2C_1C_4R_1R_3+C_1C_4R_1R_4$$

8.10 INVALID-NUMER-10 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_3 R_1 R_3 R_4 g_m s + R_1 R_4 g_m}{2 R_1 g_m + s^2 \left(2 C_1 C_3 R_1 R_3 + C_1 C_3 R_1 R_4\right) + s \left(2 C_1 R_1 + 2 C_3 R_1 R_3 g_m + C_3 R_1 R_4 g_m + 2 C_3 R_3 + C_3 R_4\right) + 2 C_3 R_1 R_3 g_m + C_3 R_1 R_4 g_m + C_3 R_$$

Parameters:

 $Q: \frac{2\sqrt{2}C_{1}C_{3}R_{1}R_{3}\sqrt{\frac{R_{1}8m}{2}C_{1}C_{3}R_{1}R_{4}} + 2c_{1}C_{3}R_{1}R_{4}} + 2c_{1}C_{3}R_{1}R_{4} + 2c_{1}C_{3}R_{1}R_{4}} + 2c_{1}C_{3}R_{1}R_{4} + 2c_{1}C_{3}R_{1}R_{4}} + 2c_{1}C_{3}R_{1}R_{4} + 2c_{1}C_{3}R_{1}R_{4}} + 2c_{1}C_{3}R_{1}R_{3} + c_{1}C_{3}R_{1}R_{4}} + 2c_{1}C_{3}R_{1}R_{3} + c_{1}C_{3}R_{1}R_{4} + 2c_{1}C_{3}R_{1}R_{3} + c_{1}C_{3}R_{1}R_{3} + c_{1}C_{3}R_{1$

8.11 INVALID-NUMER-11 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1 R_1 R_3 g_m s + R_3 g_m}{g_m + s^2 \left(2 C_1 C_4 R_1 R_3 g_m + 2 C_1 C_4 R_3\right) + s \left(C_1 R_1 g_m + C_1 + 2 C_4 R_3 g_m\right)}$$

Parameters:

$$\begin{array}{c} \text{Q:} & \frac{\sqrt{2}C_{1}C_{4}R_{1}R_{3}g_{m}\sqrt{\frac{g_{m}}{C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}}} + \sqrt{2}C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}}}} \\ \text{Wo:} & \frac{g_{m}}{\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+2C_{1}C_{4}R_{3}}}} \\ \text{bandwidth:} & \frac{\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+2C_{1}C_{4}R_{3}}} (C_{1}R_{1}g_{m}+C_{1}+2C_{4}R_{3}g_{m})}{\sqrt{\frac{g_{m}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}}} + \sqrt{2}C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}}}} \\ \text{K-LP:} & R_{3} \\ \text{K-HP:} & 0 \\ \text{K-BP:} & \frac{C_{1}R_{1}R_{3}g_{m}}{C_{1}R_{1}g_{m}+C_{1}+2C_{4}R_{3}g_{m}}} \\ \text{Qz:} & \text{None} \\ \text{Wz:} & \text{None} \end{array}$$

8.12 INVALID-NUMER-12 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1R_1R_3R_4g_ms + R_3R_4g_m}{2R_3g_m + R_4g_m + s^2\left(2C_1C_4R_1R_3R_4g_m + 2C_1C_4R_3R_4\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3 + C_1R_4 + 2C_4R_3R_4g_m\right)}$$

Parameters:

Wz: None

 $Q: \frac{\sqrt{2}C_{1}C_{4}R_{1}R_{3}R_{4}g_{m}\sqrt{c_{1}c_{4}R_{1}R_{3}R_{4}g_{m}+c_{1}c_{4}R_{3}R_{4}} + \frac{R_{4}g_{m}}{C_{1}c_{4}R_{1}R_{3}R_{4}g_{m}+c_{1}c_{4}R_{3}R_{4}} + \frac{R_{4}g_{m}}{C$

8.13 INVALID-NUMER-13 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_1 R_1 R_4 g_m s + R_4 g_m}{2g_m + s^2 \left(C_1 C_3 R_1 R_4 g_m + C_1 C_3 R_4 \right) + s \left(2C_1 R_1 g_m + 2C_1 + C_3 R_4 g_m \right)}$$

Parameters:

Q:
$$\frac{\sqrt{2}C_{1}C_{3}R_{1}R_{4}g_{m}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}}} + \sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}}}}{2C_{1}R_{1}g_{m}+2C_{1}+C_{3}R_{4}g_{m}}$$
wo:
$$\sqrt{2}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}}}$$
bandwidth:
$$\frac{\sqrt{2}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}}}(2C_{1}R_{1}g_{m}+2C_{1}+C_{3}R_{4}g_{m})}{\sqrt{2}C_{1}C_{3}R_{1}R_{4}g_{m}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}}} + \sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}}}}$$
K-LP:
$$\frac{R_{4}}{2}$$
K-HP: 0

K-BP:
$$\frac{C_{1}R_{1}R_{4}g_{m}}{2C_{1}R_{1}g_{m}+2C_{1}+C_{3}R_{4}g_{m}}$$
Qz: None
Wz: None

8.14 INVALID-NUMER-14 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1 R_1 R_4 g_m s + R_4 g_m}{2g_m + s^2 \left(C_1 C_3 R_1 R_4 g_m + C_1 C_3 R_4 + 2 C_1 C_4 R_1 R_4 g_m + 2 C_1 C_4 R_4\right) + s \left(2 C_1 R_1 g_m + 2 C_1 + C_3 R_4 g_m + 2 C_4 R_4 g_m\right)}$$

Parameters:

 $Q: \frac{\sqrt{2}C_{1}C_{3}R_{1}R_{4}g_{m}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{1}}} + \sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+2C_{1}C_{4}R_{4}}} + 2\sqrt{2}C_{1}C_{4}R_{1}R_{4}g_{m}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}} + 2\sqrt{2}C_{1}C_{4}R_{1}R_{4}g_{m}+2C_{1}C_{4}R_{4}} + 2\sqrt{2}C_{1}C_{4}R_{1}R_{4}g_{m}+2C_{1}C_{4}R_{4}$ wo: $\sqrt{2}\sqrt{\frac{g_m}{C_1C_3R_1R_4g_m+C_1C_3R_4+2C_1C_4R_1R_4g_m+2C_1C_4R_4}}$ $\frac{\sqrt{2}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}g_{m}+2C_{1}C_{4}R_{4}}}(2C_{1}R_{1}g_{m}+2C_{1}+C_{3}R_{4}g_{m}+2C_{4}R_{4}g_{m})}{\sqrt{2}C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}+2C_{1}C_{4}R_{4}}+\sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+2C_{1}C_{4}R_{4}}}}+\sqrt{2}C_{1}C_{3}R_{4}\sqrt{\frac{g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+2C_{1}C_{4}R_{4}}}+2\sqrt{2}C_{1}C_{4}R_{1}R_{4}g_{m}+2C_{1}C_{4}R_{4}+2C_{1}C_{4}R_{4}+2C_{1}C_{4}R_$ K-LP: $\frac{R_4}{2}$ K-HP: 0

K-BP: $\frac{C_1R_1R_4g_m}{2C_1R_1g_m+2C_1+C_3R_4g_m+2C_4R_4g_m}$ Qz: None Wz: None

8.15 INVALID-NUMER-15 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_1 R_1 R_3 R_4 g_m s + R_3 R_4 g_m}{2 R_3 g_m + R_4 g_m + s^2 \left(C_1 C_3 R_1 R_3 R_4 g_m + C_1 C_3 R_3 R_4 \right) + s \left(2 C_1 R_1 R_3 g_m + C_1 R_1 R_4 g_m + 2 C_1 R_3 + C_1 R_4 + C_3 R_3 R_4 g_m \right)}{2 R_3 g_m + R_4 g_m + s^2 \left(C_1 C_3 R_1 R_3 R_4 g_m + C_1 C_3 R_3 R_4 \right) + s \left(2 C_1 R_1 R_3 g_m + C_1 R_1 R_4 g_m + 2 C_1 R_3 + C_1 R_4 + C_3 R_3 R_4 g_m \right)}$$

Parameters: $Q: \frac{C_1C_3R_1R_3R_4g_m\sqrt{\frac{2R_3g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4} + \frac{R_4g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4} + C_1C_3R_3R_4\sqrt{\frac{2R_3g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4} + \frac{R_4g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4} + \frac{R_4g_m}{C_1C_3R_1R_3R$ $\frac{\sqrt{\frac{2R_3g_m+R_4g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4}}(2C_1R_1R_3g_m+C_1R_1R_4g_m+2C_1R_3+C_1R_4+C_3R_3R_4g_m)}{C_1C_3R_1R_3R_4g_m\sqrt{\frac{2R_3g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4}}+\frac{R_4g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4}+\frac{2R_3g_m}{C_1C_3R_1R_3R_4g_m+C_1C_3R_3R_4}+\frac{R_4g_m}{C_1C_3$ K-LP: $\frac{R_3R_4}{2R_3+R_4}$ K-HP: 0 $K-BP: \frac{C_{1}R_{1}R_{3}q_{g_{m}}\sqrt{\frac{2g_{m}}{C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}R_{4}}} + \frac{g_{m}}{C_{1}C_{3}R_{1}R_{3}g_{m}+C_{1}C_{3}R_{3}}}}{\frac{C_{1}R_{1}R_{3}g_{m}\sqrt{\frac{2g_{3}g_{m}}{C_{1}C_{3}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}R_{3}}} + C_{1}R_{1}R_{4}g_{m}\sqrt{\frac{2R_{3}g_{m}}{C_{1}C_{3}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}R_{3}R_{4}}} + C_{1}R_{4}\sqrt{\frac{2R_{3}g_{m}}{C_{1}C_{3}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}R_{3}R_{4}}} + C_{1}R_{4}\sqrt{\frac{2R_{3}g_{m}}{C_{1}C_{3}R_{3}R_{3}R_{4}g_{m$ Qz: None

Wz: None

8.16 INVALID-NUMER-16
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1 R_1 R_3 g_m s + R_3 g_m}{g_m + s^2 \left(C_1 C_3 R_1 R_3 g_m + C_1 C_3 R_3 + 2 C_1 C_4 R_1 R_3 g_m + 2 C_1 C_4 R_3 \right) + s \left(C_1 R_1 g_m + C_1 + C_3 R_3 g_m + 2 C_4 R_3 g_m \right)}$$

 $Q: \frac{C_1C_3R_1R_3g_m\sqrt{\frac{g_m}{C_1C_3R_1R_3g_m+C_1C_3R_3+2C_1C_4R_1R_3g_m+2C_1C_4R_3}}{C_1R_1g_m+C_1+C_3R_3+2C_1C_4R_1R_3g_m+2C_1C_4R_3} + C_1C_3R_3\sqrt{\frac{g_m}{C_1C_3R_1R_3g_m+2C_1C_4R_3}} + C_1C_4R_1g_g_m\sqrt{\frac{g_m}{C_1C_3R_1R_3g_m+C_1C_3R_3+2C_1C_4R_1g_g_m+2C_1C_4R_3}} + 2C_1C_4R_3\sqrt{\frac{g_m}{C_1C_3R_1R_3g_m+C_1C_3R_3+2C_1C_4R_1g_g_m+2C_1C_4R_3}} + C_1C_4R_3g_m\sqrt{\frac{g_m}{C_1C_3R_1R_3g_m+2C_1C_4R_3}} + C_1C_4R_3g_m\sqrt{\frac{g_m}{C_1C_3R_1R_3g_m+2C_1C_4R_3}} + C_1C_4R_3g_m\sqrt{\frac{g_m}{C_1C_3R_1R_3g_m+2C_1C_4R_3}}} + C_1C_4R$

8.17 INVALID-NUMER-17 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1R_1R_3R_4g_ms + R_3R_4g_m}{2R_3g_m + R_4g_m + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_3R_4 + 2C_1C_4R_1R_3R_4g_m + 2C_1C_4R_3R_4\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3 + C_1R_4 + C_3R_3R_4g_m + 2C_4R_3R_4g_m\right)}$$

Parameters:

Wz: None

 $\begin{array}{c} \frac{2R_3gm}{C_1C_3R_1R_3R_4gm\sqrt{C_1C_3R_1R_3R_4gm+2C_1C_4R_1R_3R_4gm+2C_1C_4R_3R_4} + C_1C_3R_3R_4gm+2C_1C_4R_3R_4 + C_$

9 INVALID-WZ

9.1 INVALID-WZ-1
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1R_3R_4g_ms^2 + L_1g_m + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right)}{C_3 + 2C_4 + s^2\left(2C_3C_4L_1R_3g_m + C_3C_4L_1R_4g_m\right) + s\left(2C_3C_4R_3 + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$$

Parameters:

Wz: None

 $\begin{array}{c} \text{Q:} & \frac{2C_3C_4L_1R_3gm\sqrt{2c_3C_4L_1R_3gm^{+}+2c_3C_4L_1R$

9.2 INVALID-WZ-2 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_4R_1R_3R_4g_ms^2 + R_3g_m + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{g_m + s^2\left(2C_1C_4R_1R_3g_m + C_1C_4R_1R_4g_m + 2C_1C_4R_3 + C_1C_4R_4\right) + s\left(C_1R_1g_m + C_1 + 2C_4R_3g_m + C_4R_4g_m\right)}$$

Parameters:

$$\begin{array}{c} Q: \frac{2C_{1}C_{4}R_{1}R_{3}g_{m}\sqrt{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{1}^{\frac{g_{m}}{4}}} + C_{1}C_{4}R_{1}R_{4}g_{m}+2C_{1}C_{4}R_{3}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{1}^{\frac{g_{m}}{4}}} + C_{1}C_{4}R_{3}\sqrt{\frac{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}}{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}}} + C_{1}C_{4}R_{4}\sqrt{\frac{g_{m}}{2}C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}} + C_{1}C_{4}R_{3}\sqrt{\frac{g_{m}}{2}C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{4}}} \\ \text{wo: } \sqrt{\frac{g_{m}}{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}}} \\ \text{bandwidth: } \frac{g_{m}}{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}} \\ \text{bandwidth: } \frac{\sqrt{\frac{g_{m}}{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}} + C_{1}C_{4}R_{3}g_{m}+C_{1}C_{4}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}} \\ \text{bandwidth: } \frac{\sqrt{\frac{g_{m}}{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{4}}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}}} + C_{1}C_{4}R_{3}g_{m}+C_{1}C_{4}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}}} \\ \text{bandwidth: } \frac{\sqrt{\frac{g_{m}}{2c_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}+C_{1}C_{4}R_{3}}}{2C_{1}C_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}R_{3}g_{m}+C_{4}C_{4}R_{3}g_{m}+C_{4}C_{4}R_{3}g_{m}+C_{4}C_{4}R_{3}g_{m}+C_{4}$$

9.3 INVALID-WZ-3 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3R_1R_3R_4g_ms^2 + R_4g_m + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m\right)}{2g_m + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_3 + C_1C_3R_4\right) + s\left(2C_1R_1g_m + 2C_1 + 2C_3R_3g_m + C_3R_4g_m\right)}$$

Parameters:

$$Q: \frac{2\sqrt{2}C_{1}C_{3}R_{1}R_{3}g_{m}\sqrt{\frac{2}C_{1}C_{3}R_{1}R_{3}g_{m}+C_{1}C_{3}R_{1}R_{4}g_{m}+2C_{1}C_{3}R_{3}}{2C_{1}C_{3}R_{1}R_{3}g_{m}+C_{1}C_{3}R_{1}R_{4}g_{m}+2C_{1}C_{3}R_{3}}} + \sqrt{2}C_{1}C_{3}R_{1}R_{3}g_{m}+C_{1}C_{$$

10 INVALID-ORDER

10.1 INVALID-ORDER-1 $Z(s) = (R_1, \infty, R_3, R_4, \infty, \infty)$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{2R_1 R_3 g_m + R_1 R_4 g_m + 2R_3 + R_4}$$

10.2 INVALID-ORDER-2 $Z(s) = \left(R_1, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{R_1 R_3 g_m}{R_1 g_m + s \left(2C_4 R_1 R_3 g_m + 2C_4 R_3\right) + 1}$$

10.3 INVALID-ORDER-3 $Z(s) = \left(R_1, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{2R_1 R_3 g_m + R_1 R_4 g_m + 2R_3 + R_4 + s \left(2C_4 R_1 R_3 R_4 g_m + 2C_4 R_3 R_4\right)}$$

10.4 INVALID-ORDER-4
$$Z(s) = \left(R_1, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 R_1 R_3 R_4 g_m s + R_1 R_3 g_m}{R_1 g_m + s \left(2 C_4 R_1 R_3 g_m + C_4 R_1 R_4 g_m + 2 C_4 R_3 + C_4 R_4\right) + 1}$$

10.5 INVALID-ORDER-5
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_4 g_m}{2R_1 g_m + s \left(C_3 R_1 R_4 g_m + C_3 R_4\right) + 2}$$

10.6 INVALID-ORDER-6
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{R_1 g_m}{s \left(C_3 R_1 g_m + C_3 + 2C_4 R_1 g_m + 2C_4 \right)}$$

10.7 INVALID-ORDER-7
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_4 g_m}{2R_1 g_m + s \left(C_3 R_1 R_4 g_m + C_3 R_4 + 2C_4 R_1 R_4 g_m + 2C_4 R_4\right) + 2}$$

10.8 INVALID-ORDER-8
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 R_1 R_4 g_m s + R_1 g_m}{s^2 \left(C_3 C_4 R_1 R_4 g_m + C_3 C_4 R_4 \right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4 \right)}$$

10.9 INVALID-ORDER-9
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 R_1 g_m s^2 + R_1 g_m}{s^3 \left(C_3 C_4 L_4 R_1 g_m + C_3 C_4 L_4 \right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4 \right)}$$

10.10 INVALID-ORDER-10
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_4 R_1 g_m s}{2 R_1 g_m + s^2 \left(C_3 L_4 R_1 g_m + C_3 L_4 + 2 C_4 L_4 R_1 g_m + 2 C_4 L_4 \right) + 2}$$

10.11 INVALID-ORDER-11
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 R_1 g_m s^2 + C_4 R_1 R_4 g_m s + R_1 g_m}{s^3 \left(C_3 C_4 L_4 R_1 g_m + C_3 C_4 L_4 \right) + s^2 \left(C_3 C_4 R_1 R_4 g_m + C_3 C_4 R_4 \right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4 \right)}$$

10.12 INVALID-ORDER-12
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_4g_ms^2 + L_4R_1g_ms + R_1R_4g_m}{2R_1g_m + s^3\left(C_3C_4L_4R_1R_4g_m + C_3C_4L_4R_4\right) + s^2\left(C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(C_3R_1R_4g_m + C_3R_4\right) + 2C_4L_4R_1g_m + C_4R_4g_m +$$

10.13 INVALID-ORDER-13
$$Z(s) = \left(R_1, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_4g_ms^2 + R_1R_4g_m}{2R_1g_m + s^3\left(C_3C_4L_4R_1R_4g_m + C_3C_4L_4R_4\right) + s^2\left(2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + 2C_4R_4R_4g_m + 2C_4R_4g_m + 2C_4R_4g_m$$

10.14 INVALID-ORDER-14
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{2R_1 R_3 g_m + R_1 R_4 g_m + 2R_3 + R_4 + s \left(C_3 R_1 R_3 R_4 g_m + C_3 R_3 R_4\right)}$$

10.15 INVALID-ORDER-15
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_3 g_m}{R_1 g_m + s \left(C_3 R_1 R_3 g_m + C_3 R_3 + 2 C_4 R_1 R_3 g_m + 2 C_4 R_3 \right) + 1}$$

10.16 INVALID-ORDER-16
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{2R_1 R_3 g_m + R_1 R_4 g_m + 2R_3 + R_4 + s \left(C_3 R_1 R_3 R_4 g_m + C_3 R_3 R_4 + 2C_4 R_1 R_3 R_4 g_m + 2C_4 R_3 R_4 \right)}$$

10.17 INVALID-ORDER-17
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_3g_ms^2 + R_1R_3g_m}{R_1g_m + s^3\left(C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_3\right) + s^2\left(C_4L_4R_1g_m + C_4L_4\right) + s\left(C_3R_1R_3g_m + C_3R_3 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}$$

10.18 INVALID-ORDER-18
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_3g_ms^2 + C_4R_1R_3R_4g_ms + R_1R_3g_m}{R_1g_m + s^3\left(C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_3\right) + s^2\left(C_3C_4R_1R_3R_4g_m + C_3C_4R_3R_4 + C_4L_4R_1g_m + C_4L_4\right) + s\left(C_3R_1R_3g_m + C_3R_3 + 2C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_3 + C_4R_4\right) + 1}$$

10.19 INVALID-ORDER-19
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + L_4R_1R_3g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(C_3C_4L_4R_1R_3R_4g_m + C_3C_4L_4R_3R_4\right) + s^2\left(C_3L_4R_1R_3g_m + C_3L_4R_3 + 2C_4L_4R_1R_3g_m + C_4L_4R_3 + C_4L$$

10.20 INVALID-ORDER-20
$$Z(s) = \left(R_1, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(C_3C_4L_4R_1R_3R_4g_m + C_3C_4L_4R_3R_4\right) + s^2\left(2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_4\right) + s\left(C_3R_1R_3R_4g_m + C_3R_3R_4 + 2C_4R_1R_3R_4g_m + 2C_4R_3R_4\right) + s^2\left(2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_4\right) + s\left(C_3R_1R_3R_4g_m + C_3R_3R_4 + 2C_4R_1R_3R_4g_m + 2C_4R_3R_4\right) + s^2\left(2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_4\right) + s\left(C_3R_1R_3R_4g_m + C_3R_3R_4 + 2C_4R_1R_3R_4g_m + 2C_4R_3R_4\right) + s^2\left(2C_4L_4R_1R_3g_m + 2C_4L_4R_3 + 2C_4R_3R_4\right) + s^2\left(2C_4L_4R_1R_3g_m + 2C_4L_4R_3 + 2C_4R_3R_4\right) + s^2\left(2C_4L_4R_1R_3g_m + 2C_4L_4R_3 + 2C_4R_3R_4\right) + s^2\left(2C_4L_4R_1R_3g_m + 2C_4L_4R_3\right) + s^2\left(2C_4L_4R_1R_3g_$$

10.21 INVALID-ORDER-21 $Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_3 R_1 R_3 R_4 g_m s + R_1 R_4 g_m}{2R_1 g_m + s \left(2C_3 R_1 R_3 g_m + C_3 R_1 R_4 g_m + 2C_3 R_3 + C_3 R_4\right) + 2}$$

10.22 INVALID-ORDER-22 $Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3 R_1 R_3 g_m s + R_1 g_m}{s^2 \left(2 C_3 C_4 R_1 R_3 g_m + 2 C_3 C_4 R_3\right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4\right)}$$

10.23 INVALID-ORDER-23 $Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4R_1R_3R_4g_ms^2 + R_1g_m + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3 + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.24 INVALID-ORDER-24
$$Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_4R_1R_3g_ms^3 + C_3R_1R_3g_ms + C_4L_4R_1g_ms^2 + R_1g_m}{s^3\left(C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(2C_3C_4R_1R_3g_m + 2C_3C_4R_3\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.25 INVALID-ORDER-25
$$Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_4R_1R_3g_ms^2 + L_4R_1g_ms}{2R_1g_m + s^3\left(2C_3C_4L_4R_1R_3g_m + 2C_3C_4L_4R_3\right) + s^2\left(C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_3R_1R_3g_m + 2C_3R_3\right) + 2C_3R_3g_m +$$

10.26 INVALID-ORDER-26
$$Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_4R_1R_3g_ms^3 + R_1g_m + s^2\left(C_3C_4R_1R_3R_4g_m + C_4L_4R_1g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{s^3\left(C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3 + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.27 INVALID-ORDER-27
$$Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_4R_1R_3R_4g_ms^2 + L_4R_1R_4g_ms}{2R_1R_4g_m + 2R_4 + s^3\left(2C_3C_4L_4R_1R_3R_4g_m + 2C_3C_4L_4R_3R_4\right) + s^2\left(2C_3L_4R_1R_3g_m + C_3L_4R_1R_4g_m + 2C_3L_4R_4 + 2C_4L_4R_1R_4g_m + 2C_4L_4R_4\right) + s\left(2C_3R_1R_3R_4g_m + 2C_3R_3R_4 + 2L_4R_1g_m + 2L_4\right)}$$

10.28 INVALID-ORDER-28
$$Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_4R_1R_3R_4g_ms^3 + R_1R_4g_m + s^2\left(C_3L_4R_1R_3g_m + C_4L_4R_1R_4g_m\right) + s\left(C_3R_1R_3R_4g_m + L_4R_1g_m\right)}{2R_1g_m + s^3\left(2C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_4g_m + 2C_3C_4L_4R_3 + C_3C_4L_4R_4\right) + s^2\left(C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4\right) + 2C_3R_3R_4g_m + C_3R_4R_4g_m + C_3R_$$

10.29 INVALID-ORDER-29
$$Z(s) = \left(R_1, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_4R_1R_3R_4g_ms^3 + C_3R_1R_3R_4g_ms + C_4L_4R_1R_4g_ms^2 + R_1R_4g_m}{2R_1g_m + s^3\left(2C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_4g_m + 2C_3C_4L_4R_3 + C_3C_4L_4R_3 + C_3C_4L_4R_3 + C_3C_4L_4R_3R_4g_m + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_4R_1R_4g_m + 2C_4R_4\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_4R_4R_4\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_4R_4\right) + s\left(2C_3R_1R_3g_m + C_3R_4R_4g_m + 2C_4R_4\right) + s\left(2C_3R_1R_3g_m + C_3R_4R_4g_m + 2C_4R_4\right) + s\left(2C_3R_4R_4R_4g_m + 2C_4R_4R_4\right) + s\left(2C_4R_4R_4R_4g_m + 2C_4R_4R_4\right) + s\left(2C_4R_4R_4R_4g_m + 2C_4R_4R_4\right) + s\left(2C_4R_4R_4R_4g_m + 2C_4R_4R_4\right) + s\left(2C_4R_4R_4R_4g_m + 2C_4R_4R_4g_m + 2C_4R_4R_4\right) + s\left(2C_4R_4R_4R_4g_m + 2C_4R_4R_4g_m +$$

10.30 INVALID-ORDER-30 $Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3 L_3 R_1 g_m s^2 + R_1 g_m}{s^3 \left(2 C_3 C_4 L_3 R_1 g_m + 2 C_3 C_4 L_3\right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4\right)}$$

10.31 INVALID-ORDER-31 $Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_3R_1R_4g_ms^2 + R_1R_4g_m}{2R_1g_m + s^3\left(2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_4\right) + s^2\left(2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + 2C_4R_4g_m}$$

10.32 INVALID-ORDER-32 $Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_3R_1R_4g_ms^3 + C_3L_3R_1g_ms^2 + C_4R_1R_4g_ms + R_1g_m}{s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3\right) + s^2\left(C_3C_4R_1R_4g_m + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.33 INVALID-ORDER-33
$$Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + R_1g_m + s^2\left(C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.34 INVALID-ORDER-34
$$Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_3L_4R_1g_ms^3 + L_4R_1g_ms}{2R_1g_m + s^4\left(2C_3C_4L_3L_4R_1g_m + 2C_3C_4L_3L_4\right) + s^2\left(2C_3L_3R_1g_m + 2C_3L_3 + C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + 2C_4L_4R_1g_m + C_3L_4R_1g_m + C_3$$

10.35 INVALID-ORDER-35
$$Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + C_3C_4L_3R_1R_4g_ms^3 + C_4R_1R_4g_ms + R_1g_m + s^2\left(C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_3C_4R_1R_4g_m + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.36 INVALID-ORDER-36
$$Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_3L_4R_1R_4g_ms^3 + L_4R_1R_4g_ms}{2R_1R_4g_m + 2R_4 + s^4\left(2C_3C_4L_3L_4R_1R_4g_m + 2C_3C_4L_3L_4R_4\right) + s^3\left(2C_3L_3L_4R_1g_m + 2C_3L_3L_4\right) + s^2\left(2C_3L_3R_1R_4g_m + 2C_3L_3R_4 + C_3L_4R_1R_4g_m + C_3L_4R_4\right) + s\left(2L_4R_1g_m + 2L_4\right)}$$

10.37 INVALID-ORDER-37 $Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

10.38 INVALID-ORDER-38
$$Z(s) = \left(R_1, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_3L_4R_1R_4g_m + s^2\left(C_3L_3R_1R_4g_m + C_4L_4R_1R_4g_m\right)}{2R_1g_m + s^4\left(2C_3C_4L_3L_4R_1g_m + 2C_3C_4L_3L_4\right) + s^3\left(2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_4 + C_3C_4L_4R_1R_4g_m + C_3C_4L_4R_1\right) + s^2\left(2C_3L_3R_1g_m + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + s\left(C_3R_1R_4g_m + 2C_4R_4\right) + s\left(C_3R_4R_4g_m + 2C_4R_4\right) + s\left(C_4R_4R_4g_m + 2$$

10.39 INVALID-ORDER-39 $Z(s) = \left(R_1, \infty, \frac{L_{3s}}{C_3L_3s^2+1}, \frac{1}{C_4s}, \infty, \infty\right)$

$$H(s) = \frac{L_3 R_1 g_m s}{R_1 g_m + s^2 (C_3 L_3 R_1 g_m + C_3 L_3 + 2C_4 L_3 R_1 g_m + 2C_4 L_3) + 1}$$

10.40 INVALID-ORDER-40 $Z(s) = \left(R_1, \infty, \frac{L_{3s}}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_3 R_1 R_4 g_m s^2 + L_3 R_1 g_m s}{R_1 g_m + s^3 \left(C_3 C_4 L_3 R_1 R_4 g_m + C_3 C_4 L_3 R_4 \right) + s^2 \left(C_3 L_3 R_1 g_m + C_3 L_3 + 2 C_4 L_3 R_1 g_m + 2 C_4 L_3 \right) + s \left(C_4 R_1 R_4 g_m + C_4 R_4 \right) + 1} \left(\frac{C_4 R_1 R_4 g_m + C_4 R_4 + C_4 R_4$$

10.41 INVALID-ORDER-41 $Z(s) = \left(R_1, \infty, \frac{L_{3s}}{C_3L_3s^2+1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_3 L_4 R_1 g_m s^3 + L_3 R_1 g_m s}{R_1 g_m + s^4 \left(C_3 C_4 L_3 L_4 R_1 g_m + C_3 C_4 L_3 L_4 \right) + s^2 \left(C_3 L_3 R_1 g_m + C_3 L_3 + 2 C_4 L_3 R_1 g_m + 2 C_4 L_3 + C_4 L_4 R_1 g_m + C_4 L_4 \right) + 1}$$

10.42 INVALID-ORDER-42 $Z(s) = \left(R_1, \infty, \frac{L_{3s}}{C_3L_3s^2+1}, \frac{L_{4s}}{C_4L_4s^2+1}, \infty, \infty\right)$

$$H(s) = \frac{L_3 L_4 R_1 g_m s}{2 L_3 R_1 g_m + 2 L_3 + L_4 R_1 g_m + L_4 + s^2 \left(C_3 L_3 L_4 R_1 g_m + C_3 L_3 L_4 + 2 C_4 L_3 L_4 R_1 g_m + 2 C_4 L_3 L_4 \right)}$$

10.43 INVALID-ORDER-43 $Z(s) = \left(R_1, \infty, \frac{L_{3s}}{C_3L_3s^2+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$

$$H(s) = \frac{C_4L_3L_4R_1g_ms^3 + C_4L_3R_1R_4g_ms^2 + L_3R_1g_ms}{R_1g_m + s^4\left(C_3C_4L_3L_4R_1g_m + C_3C_4L_3L_4\right) + s^3\left(C_3C_4L_3R_1R_4g_m + C_3C_4L_3R_1\right) + s^2\left(C_3L_3R_1g_m + C_3L_3 + 2C_4L_3R_1g_m + 2C_4L_3 + C_4L_4R_1g_m + C_4L_4\right) + s\left(C_4R_1R_4g_m + C_4R_4\right) + 1}$$

10.44 INVALID-ORDER-44 $Z(s) = \left(R_1, \infty, \frac{L_{3s}}{C_3L_3s^2+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)$

$$H(s) = \frac{C_4L_3L_4R_1R_4g_ms^3 + L_3L_4R_1g_ms^2 + L_3R_1R_4g_ms}{R_1R_4g_m + R_4 + s^4\left(C_3C_4L_3L_4R_1g_m + C_3C_4L_3L_4R_1g_m + C_3L_3L_4R_1g_m + C_4L_3L_4\right) + s^2\left(C_3L_3R_1R_4g_m + C_4L_4R_1R_4g_m + C_4L_4R_4\right) + s\left(2L_3R_1g_m + 2L_3 + L_4R_1g_m + L_4\right)}$$

10.45 INVALID-ORDER-45 $Z(s) = \left(R_1, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)$

10.46 INVALID-ORDER-46 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_3R_1g_ms^2 + C_3R_1R_3g_ms + R_1g_m}{s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3\right) + s^2\left(2C_3C_4R_1R_3g_m + 2C_3C_4R_3\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.47 INVALID-ORDER-47 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_3R_1R_4g_ms^2 + C_3R_1R_3R_4g_ms + R_1R_4g_m}{2R_1g_m + s^3\left(2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_4\right) + s^2\left(2C_3C_4R_1R_3R_4g_m + 2C_3C_4R_3R_4 + 2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + 2C_3C_4R_3R_4g_m + 2C_3C_4R_3$$

10.48 INVALID-ORDER-48 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_3R_1R_4g_ms^3 + R_1g_m + s^2\left(C_3C_4R_1R_3R_4g_m + C_3L_3R_1g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3\right) + s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3 + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.49 INVALID-ORDER-49 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + C_3C_4L_4R_1R_3g_ms^3 + C_3R_1R_3g_ms + R_1g_m + s^2\left(C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(2C_3C_4R_1R_3g_m + 2C_3C_4R_3\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.50 INVALID-ORDER-50 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

10.51 INVALID-ORDER-51 $Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + R_1g_m + s^3\left(C_3C_4L_3R_1R_4g_m + C_3C_4L_4R_1R_3g_m\right) + s^2\left(C_3C_4R_1R_3R_4g_m + C_3L_3R_1g_m + C_4L_4R_1g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3 + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_1g_m$$

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10.52 INVALID-ORDER-52 Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                        \frac{C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}s^{3}+C_{3}L_{4}R_{1}R_{3}g_{m}s^{2}+L_{4}R_{1}R_{4}g_{m}s}{2R_{1}R_{4}g_{m}+2R_{4}+s^{4}\left(2C_{3}C_{4}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}C_{4}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{4}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{3}L_{4}
10.53 INVALID-ORDER-53 Z(s) = \left(R_1, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
         H(s) = \frac{C_3C_4L_3L_4R_1R_4g_ms^4 + R_1R_4g_m + s^3\left(C_3C_4L_4R_1R_3R_4g_m + C_3L_3L_4R_1g_m\right) + s^2\left(C_3L_3R_1R_4g_m + C_4L_4R_1R_4g_m\right) + s\left(C_3R_1R_3R_4g_m + L_4R_1g_m\right)}{2R_1g_m + s^4\left(2C_3C_4L_3L_4R_1g_m + 2C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_4g_m + 2C_3C_4L_4R_1g_m + 2C_3L_4R_1g_m + 2C_3L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L_4R_1g
10.54 INVALID-ORDER-54 Z(s) = \left(R_1, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_1R_4g_ms^4 + C_3C_4L_4R_1R_3R_4g_ms^3 + C_3R_1R_3R_4g_ms + R_1R_4g_m + s^2\left(C_3L_3R_1R_4g_m + C_4L_4R_1R_4g_m\right)}{2R_1g_m + s^4\left(2C_3C_4L_3L_4R_1g_m + 2C_3C_4L_3R_4\right) + s^3\left(2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_4\right) + s^3\left(2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_4\right) + s^2\left(2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_4R_1\right) + s^2\left(2C_3C_4L_3R_4R_4g_m + 2C_3C_4L_4R_1\right) + s^2\left(2C_3C_4L_3R_4R_4g_m + 2C_3C_4L_4R_4\right) + s^2\left(2C_3C_4R_1R_3R_4g_m + 2C_3C_4L_4R_4\right) + s^2\left(2C_3C_4R_4R_4\right) + s
10.55 INVALID-ORDER-55 Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                             H(s) = \frac{C_4L_3R_1R_3R_4g_ms^2 + L_3R_1R_3g_ms}{R_1R_3g_m + R_3 + s^3\left(C_3C_4L_3R_1R_3R_4g_m + C_3C_4L_3R_3R_4\right) + s^2\left(C_3L_3R_1R_3g_m + C_4L_3R_1R_3g_m + C_4L_3R_1R_4g_m + 2C_4L_3R_3 + C_4L_3R_4\right) + s\left(C_4R_1R_3R_4g_m + C_4R_3R_4 + L_3R_1g_m + L_3\right)}
10.56 INVALID-ORDER-56 Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                   10.57 INVALID-ORDER-57 Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                        \frac{C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}s^{3}+C_{4}L_{3}R_{1}R_{3}g_{m}s^{2}+L_{3}R_{1}R_{3}g_{m}s}{R_{1}R_{3}g_{m}+R_{3}+s^{4}\left(C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}R_{1}R_{3}R_{4}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}R_{1}R_{3}g_{m}+C_{4}L_{3}
10.58 INVALID-ORDER-58 Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_4L_3L_4R_1R_3R_4g_ms^3 + L_3L_4R_1R_3g_ms^2 + L_3R_1R_3R_4g_ms
H(s) = \frac{C_4L_3L_4R_1R_3R_4g_ms^3 + L_3L_4R_1R_3g_ms^2 + L_3R_1R_3R_4g_ms}{R_1R_3R_4g_m + R_3R_4 + s^4\left(C_3C_4L_3L_4R_1R_3R_4g_m + C_3C_4L_3L_4R_1R_3g_m + C_4L_3L_4R_1R_3g_m +
10.59 INVALID-ORDER-59 Z(s) = \left(R_1, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_4L_3L_4R_1R_3R_4g_ms^3 + L_3R_1R_3R_4g_ms
                                        \frac{C_4L_3L_4R_1R_3R_4g_ms}{R_1R_3R_4g_m + R_3R_4 + s^4\left(C_3C_4L_3L_4R_1R_3R_4g_m + C_3C_4L_3L_4R_1R_3R_4g_m + C_4L_3L_4R_1R_3R_4g_m + C_4L_3L_4R_1R_3R_4g_m + C_4L_3L_4R_1R_3R_4g_m + C_4L_3R_1R_3R_4g_m + C_4L_3R_4R_4g_m + C_4L_3
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 $H(s) = \frac{C_3L_3R_1R_3g_ms^2 + L_3R_1g_ms + R_1R_3g_m}{R_1g_m + s^3\left(2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(C_3L_3R_1g_m + C_3L_3 + 2C_4L_3R_1g_m + 2C_4L_3\right) + s\left(2C_4R_1R_3g_m + 2C_4R_3\right) + 1}$

10.60 INVALID-ORDER-60 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{1}{C_4s}, \infty, \infty\right)$

10.61 INVALID-ORDER-61 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_3R_1R_3R_4g_ms^2 + L_3R_1R_4g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_3C_4L_3R_1R_3R_4g_m + 2C_3L_3R_1R_3g_m + C_3L_3R_1R_4g_m + 2C_4L_3R_4 + 2C_4L_3R_4 + 2C_4L_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4L_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4L_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + 2C_4R_3R_4 + s^2\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2C_4R_4R_4 + 2C_4$ 10.62 INVALID-ORDER-62 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_3R_1R_3R_4g_ms^3 + R_1R_3g_m + s^2\left(C_3L_3R_1R_3g_m + C_4L_3R_1R_4g_m\right) + s\left(C_4R_1R_3R_4g_m + L_3R_1g_m\right)}{R_1g_m + s^3\left(2C_3C_4L_3R_1R_3g_m + C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_3 + C_3C_4L_3R_4g_m + 2C_4L_3R_1g_m + C_4L_3R_1g_m + 2C_4L_3R_1g_m + 2C_4L_3R_1g_m + 2C_4L_3R_1g_m + 2C_4L_3R_1g_m + 2C_4L_3R_1g_m + 2C_4R_1R_3g_m + 2C_4R_3g_m + 2C_4R$ **10.63** INVALID-ORDER-63 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_3L_4R_1R_3g_ms^4 + C_4L_3L_4R_1g_ms^3 + L_3R_1g_ms + R_1R_3g_m + s^2\left(C_3L_3R_1R_3g_m + C_4L_4R_1R_3g_m\right)}{R_1g_m + s^4\left(C_3C_4L_3L_4R_1g_m + C_3C_4L_3L_4\right) + s^3\left(2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(C_3L_3R_1g_m + C_3L_3 + 2C_4L_3R_1g_m + 2C_4L_3 + C_4L_4R_1g_m + C_4L_4\right) + s\left(2C_4R_1R_3g_m + 2C_4R_3\right) + 1}$ 10.64 INVALID-ORDER-64 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_3L_4R_1R_3g_ms^3 + L_3L_4R_1g_ms^2 + L_4R_1R_3g_ms}{2R_1R_3g_m + 2R_3 + s^4\left(2C_3C_4L_3L_4R_1R_3g_m + 2C_3C_4L_3L_4R_1g_m + C_3L_3L_4R_1g_m + 2C_4L_3L_4R_1g_m + 2C_4L_3L_4R_1g_m + 2C_4L_3L_4R_1g_m + 2C_4L_3L_4R_1g_m + 2C_4L_3R_3g_m + 2C_4L_4R_1g_m + 2C_4L_4R_3\right) + s\left(2L_3R_1g_m + 2L_3L_4R_1g_m + 2C_4L_3L_4R_1g_m + 2C_4L_3L_4R_1g_m + 2C_4L_3L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L_4R_1g_$ 10.65 INVALID-ORDER-65 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_3L_4R_1R_3g_ms^4 + R_1R_3g_m + s^3\left(C_3C_4L_3R_1R_3R_4g_m + C_4L_3L_4R_1g_m\right) + s^2\left(C_3L_3R_1R_3g_m + C_4L_3R_1R_4g_m + C_4L_4R_1R_3g_m\right) + s\left(C_4R_1R_3R_4g_m + L_3R_1g_m\right)}{R_1g_m + s^4\left(C_3C_4L_3L_4R_1g_m + C_3C_4L_3R_1R_3g_m + C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_3 + C_3C_4L_3R_4g_m + C_3L_3R_1g_m + C_4L_3R_1g_m + 2C_4L_3R_1g_m + C_4L_4R_1g_m + C_4R_1R_4g_m +$ 10.66 INVALID-ORDER-66 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)$

 $C_3L_3L_4R_1R_3R_4g_ms^3 + L_3L_4R_1R_4g_ms^2 + L_4R_1R_3R_4g_ms$ $H(s) = \frac{C_3L_3L_4R_1R_3R_4g_ms^3 + L_3L_4R_1R_3R_4g_ms^2 + L_4R_1R_3R_4g_ms}{2R_1R_3R_4g_m + 2R_3R_4 + s^4\left(2C_3C_4L_3L_4R_1R_3R_4g_m + 2C_3L_3L_4R_1R_3g_m + C_3L_3L_4R_1R_4g_m + 2C_4L_3L_4R_1R_4g_m + 2C_4L_3L_4R_1R_3R_4g_m + 2C_4L_4R_1R_3R_4g_m + 2C_4L_4R_1R_3$

10.67 INVALID-ORDER-67 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)$

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

10.68 INVALID-ORDER-68 $Z(s) = \left(R_1, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)$

 $C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}s^{4} + C_{4}L_{3}L_{4}R_{1}R_{4}g_{m}s^{3} + L_{3}R_{1}R_{4}g_{m}s + R_{1}R_{3}R_{4}g_{m} + s^{2}\left(C_{3}L_{3}R_{1}R_{3}R_{4}g_{m} + C_{4}L_{4}R_{1}R_{3}R_{4}g_{m}\right)$ $\frac{C_3C_4L_3L_4R_1R_3R_4g_m + C_4L_3L_4R_1R_4g_m + C_4L_3L_4R_1R_4g_m + C_4L_3L_4R_1R_4g_m + C_4L_4R_1R_4g_m + C_4L_4R_1R_4g_m + C_4L_4R_4R_4g_m + C_4L_4R_4g_m + C_4L_4R_4R_4g_m + C_4L_4R_4g_m + C_4L_4R_4g_$

10.69 INVALID-ORDER-69 $Z(s) = \left(R_1, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty\right)$

 $H(s) = \frac{C_3L_3R_1R_3g_ms^2 + R_1R_3g_m}{R_1g_m + s^3\left(2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(C_3L_3R_1g_m + C_3L_3\right) + s\left(C_3R_1R_3g_m + C_3R_3 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}$

10.71 INVALID-ORDER-70
$$Z(z) = \left(R_1, \infty, \frac{R_1(C_3(C_3^2+1))}{C_2(C_3^2+1)}C_3(C_3^2-1)}{C_2(C_3^2+1)}C_3(C_3^2-1)} - \frac{R_1}{C_3(C_3^2-1)}C_3(C_3^2-1)} - \frac{R_2}{C_3(C_3^2-1)}C_3(C_3^2-1)}{R_1(C_3^2-1)}C_3(C_3^2-1)C_3(C_3^2-1)C_3(C_3^2-1)}{R_2(C_3^2-1)}C_3(C_3^2-1)C_3(C_3^2-1)C_3(C_3^2-1)} - \frac{R_1}{C_3^2-1}C_3(C_3^2-1)C_3(C_3^2-1)C_3(C_3^2-1)}{R_2(C_3^2-1)}C_3(C_3^2-1)C_3(C_3$$

10.78 INVALID-ORDER-78 $Z(s) = (L_1 s, \infty, R_3, R_4, \infty, \infty)$

$$H(s) = \frac{L_1 R_3 R_4 g_m s}{2R_3 + R_4 + s (2L_1 R_3 g_m + L_1 R_4 g_m)}$$

 $\frac{C_3C_4L_3L_4R_1R_3R_4g_m + s + R_1R_3R_4g_m + s$

 $C_3C_4L_3L_4R_1R_3R_4g_ms^4 + R_1R_3R_4g_m + s^2(C_3L_3R_1R_3R_4g_m + C_4L_4R_1R_3R_4g_m)$

10.79 INVALID-ORDER-79
$$Z(s) = \left(L_1 s, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_4 R_3 g_m s^3 + L_1 R_3 g_m s}{C_4 L_1 L_4 g_m s^3 + s^2 \left(2 C_4 L_1 R_3 g_m + C_4 L_4\right) + s \left(2 C_4 R_3 + L_1 g_m\right) + 1}$$

10.80 INVALID-ORDER-80
$$Z(s) = \left(L_1 s, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_4 R_3 g_m s^2}{2C_4 L_1 L_4 R_3 g_m s^3 + 2R_3 + s^2 (2C_4 L_4 R_3 + L_1 L_4 g_m) + s (2L_1 R_3 g_m + L_4)}$$

10.81 INVALID-ORDER-81
$$Z(s) = \left(L_1 s, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_4 R_3 g_m s^3 + C_4 L_1 R_3 R_4 g_m s^2 + L_1 R_3 g_m s}{C_4 L_1 L_4 g_m s^3 + s^2 \left(2 C_4 L_1 R_3 g_m + C_4 L_1 R_4 g_m + C_4 L_4\right) + s \left(2 C_4 R_3 + C_4 R_4 + L_1 g_m\right) + 1}$$

10.82 INVALID-ORDER-82
$$Z(s) = \left(L_1 s, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_1L_4R_3R_4g_ms^2}{2C_4L_1L_4R_3R_4g_ms^3 + 2R_3R_4 + s^2\left(2C_4L_4R_3R_4 + 2L_1L_4R_3g_m + L_1L_4R_4g_m\right) + s\left(2L_1R_3R_4g_m + 2L_4R_3 + L_4R_4\right)}$$

10.83 INVALID-ORDER-83
$$Z(s) = \left(L_1 s, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_3R_4g_ms^3 + L_1L_4R_3g_ms^2 + L_1R_3R_4g_ms}{2R_3 + R_4 + s^3\left(2C_4L_1L_4R_3g_m + C_4L_1L_4R_4g_m\right) + s^2\left(2C_4L_4R_3 + C_4L_4R_4 + L_1L_4g_m\right) + s\left(2L_1R_3g_m + L_1R_4g_m + L_4\right)}$$

10.84 INVALID-ORDER-84
$$Z(s) = \left(L_1 s, \infty, R_3, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_4 R_3 R_4 g_m s^3 + L_1 R_3 R_4 g_m s}{2R_3 + R_4 + s^3 \left(2C_4 L_1 L_4 R_3 g_m + C_4 L_1 L_4 R_4 g_m\right) + s^2 \left(2C_4 L_1 R_3 R_4 g_m + 2C_4 L_4 R_3 + C_4 L_4 R_4\right) + s \left(2C_4 R_3 R_4 + 2L_1 R_3 g_m + L_1 R_4 g_m\right)}{2R_3 + R_4 + s^3 \left(2C_4 L_1 L_4 R_3 g_m + C_4 L_1 L_4 R_4 g_m\right) + s^2 \left(2C_4 L_1 R_3 R_4 g_m + 2C_4 L_4 R_3 + C_4 L_4 R_4\right) + s \left(2C_4 R_3 R_4 + 2L_1 R_3 g_m + L_1 R_4 g_m\right)}$$

10.85 INVALID-ORDER-85 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{L_1 g_m}{C_3 + 2C_4 + s \left(C_3 L_1 g_m + 2C_4 L_1 g_m\right)}$$

10.86 INVALID-ORDER-86 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_1 L_4 g_m s^2 + L_1 g_m}{C_3 C_4 L_1 L_4 g_m s^3 + C_3 C_4 L_4 s^2 + C_3 + 2C_4 + s \left(C_3 L_1 g_m + 2C_4 L_1 g_m\right)}$$

10.87 INVALID-ORDER-87 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{L_1 L_4 g_m s^2}{2L_1 g_m s + s^3 \left(C_3 L_1 L_4 g_m + 2C_4 L_1 L_4 g_m\right) + s^2 \left(C_3 L_4 + 2C_4 L_4\right) + 2}$$

10.88 INVALID-ORDER-88 $Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_1 L_4 g_m s^2 + C_4 L_1 R_4 g_m s + L_1 g_m}{C_3 C_4 L_1 L_4 g_m s^3 + C_3 + 2 C_4 + s^2 \left(C_3 C_4 L_1 R_4 g_m + C_3 C_4 L_4 \right) + s \left(C_3 C_4 R_4 + C_3 L_1 g_m + 2 C_4 L_1 g_m \right)}$$

10.89 INVALID-ORDER-89
$$Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_4 R_4 g_m s^2}{2R_4 + s^3 \left(C_3 L_1 L_4 R_4 g_m + 2 C_4 L_1 L_4 R_4 g_m\right) + s^2 \left(C_3 L_4 R_4 + 2 C_4 L_4 R_4 + 2 L_1 L_4 g_m\right) + s \left(2 L_1 R_4 g_m + 2 L_4\right)}$$

10.90 INVALID-ORDER-90
$$Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_4g_ms^3 + L_1L_4g_ms^2 + L_1R_4g_ms}{C_3C_4L_1L_4R_4g_ms^4 + s^3\left(C_3C_4L_4R_4 + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(C_3L_1R_4g_m + C_3L_4 + 2C_4L_4\right) + s\left(C_3R_4 + 2L_1g_m\right) + 2c_4L_4R_4g_ms^4 + c_3L_4R_4g_ms^4 + c_4L_4R_4g_ms^4 + c_4L_4R_$$

10.91 INVALID-ORDER-91
$$Z(s) = \left(L_1 s, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_4g_ms^3 + L_1R_4g_ms}{C_3C_4L_1L_4R_4g_ms^4 + s^3\left(C_3C_4L_4R_4 + 2C_4L_1L_4g_m\right) + s^2\left(C_3L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4L_4\right) + s\left(C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2c_4R_4 + 2c_4R_4$$

10.92 INVALID-ORDER-92
$$Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1R_3R_4g_ms^2 + L_1R_3g_ms}{C_3C_4L_1R_3R_4g_ms^3 + s^2\left(C_3C_4R_3R_4 + C_3L_1R_3g_m + 2C_4L_1R_3g_m + C_4L_1R_4g_m\right) + s\left(C_3R_3 + 2C_4R_3 + C_4R_4 + L_1g_m\right) + 1}$$

10.93 INVALID-ORDER-93
$$Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_3g_ms^3 + L_1R_3g_ms}{C_3C_4L_1L_4R_3g_ms^4 + s^3\left(C_3C_4L_4R_3 + C_4L_1L_4g_m\right) + s^2\left(C_3L_1R_3g_m + 2C_4L_1R_3g_m + C_4L_4\right) + s\left(C_3R_3 + 2C_4R_3 + L_1g_m\right) + 1}$$

10.94 INVALID-ORDER-94
$$Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_4 R_3 g_m s^2}{2R_3 + s^3 \left(C_3 L_1 L_4 R_3 g_m + 2C_4 L_1 L_4 R_3 g_m\right) + s^2 \left(C_3 L_4 R_3 + 2C_4 L_4 R_3 + L_1 L_4 g_m\right) + s \left(2L_1 R_3 g_m + L_4\right)}$$

10.95 INVALID-ORDER-95 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4L_1L_4R_3g_ms^3 + C_4L_1R_3R_4g_ms^2 + L_1R_3g_ms}{C_3C_4L_1L_4R_3g_ms^4 + s^3\left(C_3C_4L_1R_3R_4g_m + C_3C_4L_4R_3 + C_4L_1L_4g_m\right) + s^2\left(C_3C_4R_3R_4 + C_3L_1R_3g_m + 2C_4L_1R_3g_m + C_4L_1R_4g_m + C_4L_4\right) + s\left(C_3R_3 + 2C_4R_3 + C_4R_4 + L_1g_m\right) + 1}$$

10.96 INVALID-ORDER-96 $Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{L_1L_4R_3R_4g_ms^2}{2R_3R_4 + s^3\left(C_3L_1L_4R_3R_4g_m + 2C_4L_1L_4R_3R_4g_m\right) + s^2\left(C_3L_4R_3R_4 + 2C_4L_4R_3R_4 + 2L_1L_4R_3g_m + L_1L_4R_4g_m\right) + s\left(2L_1R_3R_4g_m + 2L_4R_3 + L_4R_4\right)}$$

10.97 INVALID-ORDER-97
$$Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_3R_4g_ms^3 + L_1L_4R_3g_ms^2 + L_1R_3R_4g_ms}{C_3C_4L_1L_4R_3R_4g_ms^4 + 2R_3 + R_4 + s^3\left(C_3C_4L_4R_3R_4 + C_3L_1L_4R_3g_m + 2C_4L_1L_4R_3g_m + C_4L_1L_4R_3g_m + C_4L_1L_4R_3g_m + C_4L_4R_3 + 2C_4L_4R_3 + 2C_4L_4R_3 + C_4L_4R_4 + L_1L_4g_m\right) + s\left(C_3R_3R_4 + 2L_1R_3g_m + L_1R_4g_m + L_4R_4g_m + C_4L_4R_4 + L_4R_4g_m + C_4L_4R_4 + L_4R_4g_m + C_4L_4R_4 + L_4R_4g_m + C_4R_4R_4 + C_4R_4R_4$$

10.98 INVALID-ORDER-98
$$Z(s) = \left(L_1 s, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_4 R_3 R_4 g_m s^3 + L_1 R_3 R_4 g_m s}{C_3 C_4 L_1 L_4 R_3 R_4 g_m s^4 + 2 R_3 + R_4 + s^3 \left(C_3 C_4 L_4 R_3 R_4 + 2 C_4 L_1 L_4 R_3 g_m + C_4 L_1 L_4 R_3 g_m + s^2 \left(C_3 L_1 R_3 R_4 g_m + 2 C_4 L_1 R_3 R_4 g_m + 2 C_4 L_4 R_3 + C_4 L_4 R_4 \right) + s \left(C_3 R_3 R_4 + 2 C_4 R_3 R_4 + 2 L_1 R_3 g_m + L_1 R_4 g_m \right)}{C_3 C_4 L_1 L_4 R_3 R_4 g_m s^4 + 2 R_3 + R_4 + s^3 \left(C_3 C_4 L_4 R_3 R_4 + 2 C_4 L_1 L_4 R_3 g_m + C_4 L_1 L_4 R_3 g_m + 2 C_4 L_1 R_3 R_4 g_m + 2 C_4 L_4 R_3 + C_4 L_4 R_4 \right) + s \left(C_3 R_3 R_4 + 2 C_4 R$$

10.99 INVALID-ORDER-99
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

10.100 INVALID-ORDER-100
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_4R_3g_ms^3 + C_3L_1R_3g_ms + C_4L_1L_4g_ms^2 + L_1g_m}{C_3C_4L_1L_4g_ms^3 + C_3 + 2C_4 + s^2\left(2C_3C_4L_1R_3g_m + C_3C_4L_4\right) + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}$$

10.101 INVALID-ORDER-101
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_1L_4R_3g_ms^3 + L_1L_4g_ms^2}{2C_3C_4L_1L_4R_3g_ms^4 + s^3\left(2C_3C_4L_4R_3 + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_3L_1R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_1g_m\right) + 2C_4L_4R_3g_ms^4 + s^3\left(2C_3C_4L_4R_3 + C_3L_4L_4g_m + 2C_4L_4L_4g_m\right) + s^2\left(2C_3L_4R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_4g_m\right) + 2C_4L_4R_3g_ms^4 + s^3\left(2C_3C_4L_4R_3 + C_3L_4L_4g_m + 2C_4L_4L_4g_m\right) + s^2\left(2C_3L_4R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_4g_m\right) + 2C_4L_4R_3g_ms^4 + s^3\left(2C_3C_4L_4R_3 + C_3L_4L_4g_m + 2C_4L_4L_4g_m\right) + s^2\left(2C_3L_4R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_4g_m\right) + s^2\left(2C_3L_4R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_4g_m\right) + s^2\left(2C_3L_4R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_4g_m\right) + s^2\left(2C_3R_3 + 2L_4g_m\right) + s^2\left$$

10.102 INVALID-ORDER-102
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_4R_3g_ms^3 + L_1g_m + s^2\left(C_3C_4L_1R_3R_4g_m + C_4L_1L_4g_m\right) + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right)}{C_3C_4L_1L_4g_ms^3 + C_3 + 2C_4 + s^2\left(2C_3C_4L_1R_3g_m + C_3C_4L_1R_4g_m + C_3C_4L_4\right) + s\left(2C_3C_4R_3 + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$$

10.103 INVALID-ORDER-103
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_1L_4R_3R_4g_ms^3 + L_1L_4R_4g_ms^2}{2C_3C_4L_1L_4R_3R_4g_ms^4 + 2R_4 + s^3\left(2C_3C_4L_4R_3R_4 + 2C_3L_1L_4R_3g_m + C_3L_1L_4R_4g_m + 2C_4L_1L_4R_4g_m + s^2\left(2C_3L_1R_3R_4g_m + 2C_3L_4R_3 + C_3L_4R_4 + 2L_1L_4g_m\right) + s\left(2C_3R_3R_4 + 2L_1R_4g_m + 2L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m$$

10.104 INVALID-ORDER-104
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_4R_3R_4g_ms^4 + L_1R_4g_ms + s^3\left(C_3L_1L_4R_3g_m + C_4L_1L_4R_4g_m\right) + s^2\left(C_3L_1R_3R_4g_m + L_1L_4g_m\right)}{s^4\left(2C_3C_4L_1L_4R_3g_m + C_3C_4L_1L_4R_4g_m\right) + s^3\left(2C_3C_4L_4R_3 + C_3C_4L_4R_4 + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_3L_1R_3g_m + C_3L_1R_4g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + C_3R_4 + 2L_1g_m\right) + 2C_4L_4R_4g_m\right)}$$

10.105 INVALID-ORDER-105
$$Z(s) = \left(L_1 s, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_4R_3R_4g_ms^4 + C_3L_1R_3R_4g_ms^2 + C_4L_1L_4R_4g_ms^3 + L_1R_4g_ms}{s^4\left(2C_3C_4L_1L_4R_3g_m + C_3C_4L_1L_4R_4g_m\right) + s^3\left(2C_3C_4L_1R_3R_4g_m + 2C_3C_4L_4R_3 + C_3C_4L_4R_4 + 2C_4L_1L_4g_m\right) + s^2\left(2C_3C_4R_3R_4 + 2C_4L_1R_4g_m + 2C_4R_4 + 2L_1g_m\right) + s^2\left(2C_3C_4R_3R_4 + 2C_4R_4R_4 + 2C_4R_4 + 2C_$$

10.106 INVALID-ORDER-106
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_1L_3R_4g_ms^3 + L_1R_4g_ms}{2C_3L_1L_3g_ms^3 + s^2\left(C_3L_1R_4g_m + 2C_3L_3\right) + s\left(C_3R_4 + 2L_1g_m\right) + 2}$$

10.107 INVALID-ORDER-107
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3 L_1 L_3 g_m s^2 + L_1 g_m}{2C_3 C_4 L_1 L_3 g_m s^3 + 2C_3 C_4 L_3 s^2 + C_3 + 2C_4 + s \left(C_3 L_1 g_m + 2C_4 L_1 g_m\right)}$$

10.108 INVALID-ORDER-108
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_1L_3R_4g_ms^3 + L_1R_4g_ms}{2C_3C_4L_1L_3R_4g_ms^4 + s^3\left(2C_3C_4L_3R_4 + 2C_3L_1L_3g_m\right) + s^2\left(C_3L_1R_4g_m + 2C_3L_3 + 2C_4L_1R_4g_m\right) + s\left(C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2C_3R_4R_4g_ms^4}$$

10.109 INVALID-ORDER-109
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_3R_4g_ms^3 + C_3L_1L_3g_ms^2 + C_4L_1R_4g_ms + L_1g_m}{2C_3C_4L_1L_3g_ms^3 + C_3 + 2C_4 + s^2\left(C_3C_4L_1R_4g_m + 2C_3C_4L_3\right) + s\left(C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$$

10.110 INVALID-ORDER-110
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + L_1g_m + s^2\left(C_3L_1L_3g_m + C_4L_1L_4g_m\right)}{C_3 + 2C_4 + s^3\left(2C_3C_4L_1L_3g_m + C_3C_4L_1L_4g_m\right) + s^2\left(2C_3C_4L_3 + C_3C_4L_4\right) + s\left(C_3L_1g_m + 2C_4L_1g_m\right)}$$

10.111 INVALID-ORDER-111
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_1L_3L_4g_ms^4 + L_1L_4g_ms^2}{2C_3C_4L_1L_3L_4g_ms^5 + 2C_3C_4L_3L_4s^4 + 2L_1g_ms + s^3\left(2C_3L_1L_3g_m + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_3L_3 + C_3L_4 + 2C_4L_4\right) + 2C_4L_4s^2}$$

10.112 INVALID-ORDER-112
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + C_3C_4L_1L_3R_4g_ms^3 + C_4L_1R_4g_ms + L_1g_m + s^2\left(C_3L_1L_3g_m + C_4L_1L_4g_m\right)}{C_3 + 2C_4 + s^3\left(2C_3C_4L_1L_3g_m + C_3C_4L_1L_4g_m\right) + s^2\left(C_3C_4L_1R_4g_m + 2C_3C_4L_3 + C_3C_4L_4\right) + s\left(C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$$

10.113 INVALID-ORDER-113
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_1L_3L_4R_4g_ms^4 + L_1L_4R_4g_ms^2}{2C_3C_4L_1L_3L_4R_4g_ms^5 + 2R_4 + s^4\left(2C_3C_4L_3L_4R_4 + 2C_3L_1L_3L_4g_m\right) + s^3\left(2C_3L_1L_3R_4g_m + C_3L_1L_4R_4g_m + 2C_4L_1L_4R_4g_m\right) + s^2\left(2C_3L_3R_4 + C_3L_4R_4 + 2C_4L_4R_4 + 2L_1L_4g_m\right) + s\left(2L_1R_4g_m + 2L_4R_4g_m\right) + s^2\left(2C_3L_3R_4 + 2C_4L_4R_4 + 2C_4L_4R_4$$

10.114 INVALID-ORDER-114
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_3L_4R_4g_ms^5 + C_3L_1L_3L_4g_ms^4 + L_1L_4g_ms^2 + L_1R_4g_ms + s^3\left(C_3L_1L_3R_4g_m + C_4L_1L_4R_4g_m\right)}{2C_3C_4L_1L_3L_4g_ms^5 + s^4\left(C_3C_4L_1L_4R_4g_m + 2C_3C_4L_3L_4\right) + s^3\left(C_3C_4L_4R_4 + 2C_3L_1L_3g_m + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(C_3L_1R_4g_m + 2C_3L_3 + C_3L_4 + 2C_4L_4\right) + s\left(C_3R_4 + 2L_1g_m\right) + 2c_3C_4L_3L_4R_4g_m + 2c_3C_4L_3L_4R_4g_m + 2c_3C_4L_3L_4R_4g_m + 2c_3C_4L_3L_4R_4g_m\right)}$$

10.115 INVALID-ORDER-115
$$Z(s) = \left(L_1 s, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_3L_4R_4g_ms^5 + L_1R_4g_ms + s^3\left(C_3L_1L_3R_4g_m + C_4L_1L_4R_4g_m\right)}{2C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_4R_4g_m + 2C_3C_4L_3R_4 + C_3C_4L_4R_4 + 2C_3L_1L_3g_m + 2C_4L_1L_4g_m\right) + s^2\left(C_3L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4L_1R_4g_m\right) + s^2\left(C_3L_1R_4g_m + 2C_4L_1R_4g_m + 2C_4R_4 + 2C_4R_4$$

10.116 INVALID-ORDER-116
$$Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_3 R_4 g_m s^2}{C_3 L_1 L_3 R_4 g_m s^3 + R_4 + s^2 \left(C_3 L_3 R_4 + 2L_1 L_3 g_m \right) + s \left(L_1 R_4 g_m + 2L_3 \right)}$$

10.117 INVALID-ORDER-117
$$Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_3 g_m s^2}{L_1 g_m s + s^3 \left(C_3 L_1 L_3 g_m + 2 C_4 L_1 L_3 g_m \right) + s^2 \left(C_3 L_3 + 2 C_4 L_3 \right) + 1}$$

10.118 INVALID-ORDER-118
$$Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_3 R_4 g_m s^2}{R_4 + s^3 \left(C_3 L_1 L_3 R_4 g_m + 2 C_4 L_1 L_3 R_4 g_m \right) + s^2 \left(C_3 L_3 R_4 + 2 C_4 L_3 R_4 + 2 L_1 L_3 g_m \right) + s \left(L_1 R_4 g_m + 2 L_3 \right)}$$

10.119 INVALID-ORDER-119
$$Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_3 R_4 g_m s^3 + L_1 L_3 g_m s^2}{C_3 C_4 L_1 L_3 R_4 g_m s^4 + s^3 \left(C_3 C_4 L_3 R_4 + C_3 L_1 L_3 g_m + 2 C_4 L_1 L_3 g_m\right) + s^2 \left(C_3 L_3 + C_4 L_1 R_4 g_m + 2 C_4 L_3\right) + s \left(C_4 R_4 + L_1 g_m\right) + 1}$$

10.120 INVALID-ORDER-120
$$Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_3 L_4 g_m s^4 + L_1 L_3 g_m s^2}{C_3 C_4 L_1 L_3 L_4 g_m s^5 + C_3 C_4 L_3 L_4 s^4 + L_1 g_m s + s^3 \left(C_3 L_1 L_3 g_m + 2 C_4 L_1 L_3 g_m + C_4 L_1 L_4 g_m \right) + s^2 \left(C_3 L_3 + 2 C_4 L_3 + C_4 L_4 \right) + 1}$$

10.121 INVALID-ORDER-121 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{L_1 L_3 L_4 g_m s^2}{2L_3 + L_4 + s^3 \left(C_3 L_1 L_3 L_4 g_m + 2C_4 L_1 L_3 L_4 g_m\right) + s^2 \left(C_3 L_3 L_4 + 2C_4 L_3 L_4\right) + s \left(2L_1 L_3 g_m + L_1 L_4 g_m\right)}$$

10.122 INVALID-ORDER-122 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4L_1L_3L_4g_ms^4 + C_4L_1L_3R_4g_ms^3 + L_1L_3g_ms^2}{C_3C_4L_1L_3L_4g_ms^5 + s^4\left(C_3C_4L_1L_3R_4g_m + C_3C_4L_3L_4\right) + s^3\left(C_3C_4L_3R_4 + C_3L_1L_3g_m + 2C_4L_1L_3g_m + C_4L_1L_4g_m\right) + s^2\left(C_3L_3 + C_4L_1R_4g_m + 2C_4L_3 + C_4L_4\right) + s\left(C_4R_4 + L_1g_m\right) + 1}$$

10.123 INVALID-ORDER-123 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

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

10.124 INVALID-ORDER-124 $Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_4L_1L_3L_4R_4g_ms^4 + L_1L_3L_4g_ms^3 + L_1L_3R_4g_ms^2}{C_3C_4L_1L_3L_4R_4g_ms^5 + R_4 + s^4\left(C_3C_4L_3L_4R_4 + C_3L_1L_3L_4g_m + 2C_4L_1L_3L_4g_m\right) + s^3\left(C_3L_1L_3R_4g_m + C_4L_4R_4g_m + 2C_4L_3L_4\right) + s^2\left(C_3L_3R_4 + C_4L_4R_4 + 2L_4L_3g_m + L_4L_4g_m\right) + s\left(L_1R_4g_m + 2L_3 + L_4\right)}$$

10.125 INVALID-ORDER-125
$$Z(s) = \left(L_1 s, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_3L_4R_4g_ms^4 + L_1L_3R_4g_ms^2}{C_3C_4L_1L_3L_4R_4g_ms^5 + R_4 + s^4\left(C_3C_4L_3L_4R_4 + 2C_4L_1L_3L_4g_m\right) + s^3\left(C_3L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_3L_4\right) + s^2\left(C_3L_3R_4 + 2C_4L_3R_4 + 2L_4L_3g_m\right) + s\left(L_1R_4g_m + 2L_3\right)}$$

10.126 INVALID-ORDER-126 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$ $H(s) = \frac{C_3L_1L_3R_4g_ms^3 + C_3L_1R_3R_4g_ms^2 + L_1R_4g_ms}{2C_3L_1L_3g_ms^3 + s^2\left(2C_3L_1R_3g_m + C_3L_1R_4g_m + 2C_3L_3\right) + s\left(2C_3R_3 + C_3R_4 + 2L_1g_m\right) + 2c_3L_3R_4g_ms^3 + c_3L_3R_4g_ms^3 + c_3L_3R$ **10.127** INVALID-ORDER-127 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3 L_1 L_3 g_m s^2 + C_3 L_1 R_3 g_m s + L_1 g_m}{2C_3 C_4 L_1 L_3 g_m s^3 + C_3 + 2C_4 + s^2 \left(2C_3 C_4 L_1 R_3 g_m + 2C_3 C_4 L_3\right) + s \left(2C_3 C_4 R_3 + C_3 L_1 g_m + 2C_4 L_1 g_m\right)}$ 10.128 INVALID-ORDER-128 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1L_3R_4g_ms^3 + C_3L_1R_3R_4g_ms^2 + L_1R_4g_ms}{2C_3C_4L_1L_3R_4g_ms^4 + s^3\left(2C_3C_4L_1R_3R_4g_m + 2C_3L_4L_3R_4 + 2C_3L_1L_3g_m\right) + s^2\left(2C_3C_4R_3R_4 + 2C_3L_1R_3g_m + C_3L_1R_4g_m + 2C_3L_3 + 2C_4L_1R_4g_m\right) + s\left(2C_3R_3 + C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2c_3C_4L_3R_4g_ms^4 + s^3\left(2C_3C_4L_1R_3R_4g_m + 2C_3L_4L_3R_4g_m + 2C_3L_4R_4g_m\right) + s\left(2C_3R_3 + C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2c_3C_4L_3R_4g_ms^4 + s^3\left(2C_3C_4L_1R_3R_4g_m + 2C_3L_4R_4g_m\right) + s\left(2C_3R_3 + C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2c_3C_4L_3R_4g_ms^4 + 2c_3C_4R_4g_ms^4 + 2c_3C_4R_4g_ms^4$ 10.129 INVALID-ORDER-129 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3R_4g_ms^3 + L_1g_m + s^2\left(C_3C_4L_1R_3R_4g_m + C_3L_1L_3g_m\right) + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right)}{2C_3C_4L_1L_3q_ms^3 + C_3 + 2C_4 + s^2\left(2C_3C_4L_1R_3g_m + C_3C_4L_1R_4g_m + 2C_3C_4L_3\right) + s\left(2C_3C_4R_3 + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$ **10.130** INVALID-ORDER-130 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + C_3C_4L_1L_4R_3g_ms^3 + C_3L_1R_3g_ms + L_1g_m + s^2\left(C_3L_1L_3g_m + C_4L_1L_4g_m\right)}{C_3 + 2C_4 + s^3\left(2C_3C_4L_1L_3g_m + C_3C_4L_1L_4g_m\right) + s^2\left(2C_3C_4L_1R_3g_m + 2C_3C_4L_3 + C_3C_4L_4\right) + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}$ 10.131 INVALID-ORDER-131 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1L_3L_4g_ms^4 + C_3L_1L_4R_3g_ms^3 + L_1L_4g_ms^2}{2C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_4R_3g_m + 2C_3C_4L_3L_4\right) + s^3\left(2C_3C_4L_4R_3 + 2C_3L_1L_3g_m + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_3L_1R_3g_m + 2C_3L_3 + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_1g_m\right) + 2c_3C_4L_4R_3g_ms^2 + 2c$ 10.132 INVALID-ORDER-132 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + L_1g_m + s^3\left(C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_4R_3g_m\right) + s^2\left(C_3C_4L_1R_3R_4g_m + C_3L_1L_3g_m + C_4L_1L_4g_m\right) + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right)}{C_3 + 2C_4 + s^3\left(2C_3C_4L_1L_3g_m + C_3C_4L_1L_4g_m\right) + s^2\left(2C_3C_4L_1R_3g_m + C_3C_4L_1R_4g_m + 2C_3C_4L_3 + C_3C_4L_4\right) + s\left(2C_3C_4R_3 + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$ **10.133** INVALID-ORDER-133 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $\frac{C_3L_1L_3L_4R_4g_ms^4 + C_3L_1L_4R_3g_ms^3 + L_1L_4R_4g_ms^2}{2C_3C_4L_1L_3L_4R_3g_ms^5 + 2R_4 + s^4\left(2C_3C_4L_1L_4R_3R_4g_m + 2C_3L_4L_3L_4g_m\right) + s^3\left(2C_3C_4L_4R_3R_4 + 2C_3L_1L_3R_4g_m + 2C_3L_1L_4R_4g_m + 2C_3L_4L_4R_4g_m\right) + s^2\left(2C_3L_1R_3R_4g_m + 2C_3L_4R_3R_4 + 2C_3L_4R_4 +$ 10.134 INVALID-ORDER-134 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3L_4R_4g_ms^5 + L_1R_4g_ms + s^4\left(C_3C_4L_1L_4R_3R_4g_m + C_3L_1L_3L_4g_m\right) + s^3\left(C_3L_1L_3R_4g_m + C_4L_1L_4R_3g_m + C_4L_1L_4R_4g_m\right) + s^2\left(C_3L_1R_3R_4g_m + L_1L_4g_m\right)}{2C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_4R_3g_m + C_3C_4L_4L_4R_3g_m + C_3L_4L_4g_m\right) + s^2\left(2C_3L_1R_3g_m + C_4L_1L_4g_m\right) + s^2\left(2C_3L_1R_3g_m + C_3L_1L_4g_m\right) + s^2\left(2C_3L_1R_3g_m + C_3L_1R_4g_m\right) + s^2\left(2C_3L_$ 10.135 INVALID-ORDER-135 $Z(s) = \left(L_1 s, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$ $C_{3}C_{4}L_{1}L_{3}L_{4}R_{4}g_{m}s^{5} + C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m}s^{4} + C_{3}L_{1}R_{3}R_{4}g_{m}s^{2} + L_{1}R_{4}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{4}g_{m} + C_{4}L_{1}L_{4}R_{4}g_{m}\right)$ $\frac{2C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_3R_4g_m + 2C_3C_4L_1L_4R_3g_m + C_3C_4L_1L_4R_3g_m + 2C_3C_4L_1L_4R_3g_m + 2C_3C_4L_3L_3L_3g_m + 2C_3C_4L_3L_3g_m + 2C_3C_4L_3L_3g_m + 2C_3C_4L_3L_3g_m + 2C_3C_4L_3L_3g_m + 2C_3C_4L_3L_3g_m + 2C_3C_4L_3L_3g_m + 2C_3C_4$ **10.136** INVALID-ORDER-136 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 R_3 R_4 g_m s^2}{C_3 L_1 L_3 R_3 R_4 g_m s^3 + R_3 R_4 + s^2 \left(C_3 L_3 R_3 R_4 + 2 L_1 L_3 R_3 g_m + L_1 L_3 R_4 g_m\right) + s \left(L_1 R_3 R_4 g_m + 2 L_3 R_3 + L_3 R_4\right)}$ 10.137 INVALID-ORDER-137 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 R_3 g_m s^2}{R_3 + s^3 \left(C_3 L_1 L_3 R_3 g_m + 2 C_4 L_1 L_3 R_3 g_m \right) + s^2 \left(C_3 L_3 R_3 + 2 C_4 L_3 R_3 + L_1 L_3 g_m \right) + s \left(L_1 R_3 g_m + L_3 \right)}$ 10.138 INVALID-ORDER-138 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 R_3 R_4 g_m s^2}{R_3 R_4 + s^3 \left(C_3 L_1 L_3 R_3 R_4 g_m + 2 C_4 L_1 L_3 R_3 R_4 g_m\right) + s^2 \left(C_3 L_3 R_3 R_4 + 2 C_4 L_1 R_3 R_4 g_m + L_1 L_3 R_4 g_m\right) + s \left(L_1 R_3 R_4 g_m + 2 L_3 R_3 + L_3 R_4\right)}$ 10.139 INVALID-ORDER-139 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4L_1L_3R_3R_4g_ms^3 + L_1L_3R_3g_ms^2}{C_3C_4L_1L_3R_3g_ms^4 + R_3 + s^3\left(C_3C_4L_3R_3R_4 + C_3L_1L_3R_3g_m + 2C_4L_1L_3R_3g_m + C_4L_1L_3R_4g_m\right) + s^2\left(C_3L_3R_3 + C_4L_1R_3R_4g_m + 2C_4L_3R_3 + C_4L_3R_4 + L_1L_3g_m\right) + s\left(C_4R_3R_4 + L_1R_3g_m + L_3R_4g_m\right) + s\left(C_4R_3R_4 + L_3R_4g_m\right) + s\left(C_4R_4R_4 +$ 10.140 INVALID-ORDER-140 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4L_1L_3L_4R_3g_ms^4 + L_1L_3R_3g_ms^2}{C_3C_4L_1L_3L_4R_3g_ms^5 + R_3 + s^4\left(C_3C_4L_3L_4R_3 + C_4L_1L_3L_4g_m\right) + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_4R_3g_m + C_4L_3L_4\right) + s^2\left(C_3L_3R_3 + 2C_4L_3R_3 + C_4L_4R_3 + L_1L_3g_m\right) + s\left(L_1R_3g_m + L_3L_4R_3g_m + C_4L_4R_3 + L_4L_3R_3g_m + C_4L_4R_3 + C_4L_4R_4 + C_4L_4R_4$ 10.141 INVALID-ORDER-141 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{L_{1}L_{3}L_{4}R_{3}g_{m}s^{2}}{2L_{3}R_{3} + L_{4}R_{3} + s^{3}\left(C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + 2C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}\right) + s^{2}\left(C_{3}L_{3}L_{4}R_{3} + 2C_{4}L_{3}L_{4}R_{3} + L_{1}L_{3}L_{4}g_{m}\right) + s\left(2L_{1}L_{3}R_{3}g_{m} + L_{1}L_{4}R_{3}g_{m} + L_{3}L_{4}\right)}$ 10.142 INVALID-ORDER-142 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4L_1L_3L_4R_3g_ms^4 + C_4L_1L_3R_3g_ms^3 + L_1L_3R_3g_ms^2}{C_3C_4L_1L_3L_4R_3g_ms^5 + R_3 + s^4\left(C_3C_4L_1L_3R_3g_m + C_4L_1L_3L_4g_m\right) + s^3\left(C_3C_4L_3R_3R_4 + C_4L_1L_3R_3g_m + C_4L_1R_3R_3g_m +$ 10.143 INVALID-ORDER-143 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 L_4 R_3 R_4 g_m s^2}{2 L_3 R_3 R_4 + L_4 R_3 R_4 + s^3 \left(C_3 L_1 L_3 L_4 R_3 R_4 g_m + 2 C_4 L_1 L_3 L_4 R_3 R_4 g_m\right) + s^2 \left(C_3 L_3 L_4 R_3 R_4 + 2 C_4 L_3 L_4 R_3 g_m + L_1 L_3 L_4 R_3 g_m + L_1 L_3 L_4 R_3 g_m + L_1 L_4 R_3 R_4 g_m + L_1 L_4 R_3 R_4 g_m + 2 L_3 L_4 R_3 + L_4 L_4 R_3 R_4 g_m\right) + s \left(2 L_1 L_3 R_3 R_4 g_m + L_1 L_4 R_4 R_4 g_m + L_1$ 10.144 INVALID-ORDER-144 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_4L_1L_3L_4R_3R_4g_ms^4 + L_1L_3L_4R_3g_ms^3 + L_1L_3R_3R_4g_ms^2}{C_3C_4L_1L_3L_4R_3g_ms^5 + R_3R_4 + s^4\left(C_3C_4L_3L_4R_3g_m + C_4L_1L_3L_4R_3g_m + C_4L_1L_3L_4R_3g_m + C_4L_1L_3L_4R_3g_m + C_4L_1L_3L_4R_3g_m + C_4L_3L_4R_3R_4g_m + C_4L_3L_4R_3 + C_4L_3L_4R_3R_4g_m + C_4L_3L_4R_3g_m + C_4L_3L_4R_3$

 $H(s) = \frac{C_4 L_1 L_3 L_4 R_3 R_4 g_m s^4 + L_1 L_3 R_3 R_4 g_m s^2}{C_3 C_4 L_1 L_3 L_4 R_3 R_4 g_m s^5 + R_3 R_4 + s^4 \left(C_3 C_4 L_3 L_4 R_3 R_4 + 2 C_4 L_1 L_3 L_4 R_3 g_m + C_4 L_1 L_3 R_4 g_m + 2 C_4 L_1 L_4 R_3 R_4 g_m + 2 C_4 L_3 L_4 R_3 + C_4 L_3 L_4 R_3 + C_4 L_3 L_4 R_3 R_4 + 2 C_4 L_3 R_4 R_4$

10.145 INVALID-ORDER-145 $Z(s) = \left(L_1 s, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

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10.146 INVALID-ORDER-146 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                             H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1L_3R_4g_ms^2 + L_1R_3R_4g_ms}{2R_3 + R_4 + s^3\left(2C_3L_1L_3R_3g_m + C_3L_1L_3R_4g_m\right) + s^2\left(2C_3L_3R_3 + C_3L_3R_4 + 2L_1L_3g_m\right) + s\left(2L_1R_3g_m + L_1R_4g_m + 2L_3\right)}{2R_3 + R_4 + s^3\left(2C_3L_1L_3R_3g_m + C_3L_1L_3R_4g_m\right) + s^2\left(2C_3L_3R_3 + C_3L_3R_4 + 2L_1L_3g_m\right) + s\left(2L_1R_3g_m + L_1R_4g_m + 2L_3\right)}
10.147 INVALID-ORDER-147 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                             H(s) = \frac{C_3L_1L_3R_3g_ms^3 + L_1L_3g_ms^2 + L_1R_3g_ms}{2C_3C_4L_1L_3R_3g_ms^4 + s^3\left(2C_3C_4L_3R_3 + C_3L_1L_3g_m + 2C_4L_1L_3g_m\right) + s^2\left(C_3L_3 + 2C_4L_1R_3g_m + 2C_4L_3\right) + s\left(2C_4R_3 + L_1g_m\right) + 1}
10.148 INVALID-ORDER-148 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                          H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1L_3R_4g_ms^2 + L_1R_3R_4g_ms}{2C_3C_4L_1L_3R_3g_ms^4 + 2R_3 + R_4 + s^3\left(2C_3C_4L_3R_3R_4 + 2C_3L_1L_3R_3g_m + C_3L_1L_3R_4g_m\right) + s^2\left(2C_3L_3R_3 + C_3L_3R_4 + 2C_4L_1R_3R_4g_m + 2C_4L_3R_4 + 2L_1L_3g_m\right) + s\left(2C_4R_3R_4 + 2L_1R_3g_m + L_1R_4g_m + 2L_3R_4g_m\right) + s\left(2C_4R_3R_4 + 2L_1R_3g_m + 2L_1R_3g_m + 2L_3R_4g_m\right) + s\left(2C_4R_3R_4 + 2L_3R_4g_
10.149 INVALID-ORDER-149 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                       H(s) = \frac{C_3C_4L_1L_3R_3R_4g_ms^4 + L_1R_3g_ms + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_3R_4g_m\right) + s^2\left(C_4L_1R_3R_4g_m + L_1L_3g_m\right)}{s^4\left(2C_3C_4L_1L_3R_3g_m + C_3C_4L_1L_3R_4g_m\right) + s^3\left(2C_3C_4L_3R_3 + C_3C_4L_3R_4 + C_3L_1L_3g_m + 2C_4L_1L_3g_m\right) + s^2\left(C_3L_3 + 2C_4L_1R_3g_m + C_4L_1R_4g_m + 2C_4L_3\right) + s\left(2C_4R_3 + C_4R_4 + L_1g_m\right) + 1}
10.150 INVALID-ORDER-150 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                   H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + C_4L_1L_3L_4g_ms^4 + L_1L_3g_ms^2 + L_1R_3g_ms + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_4R_3g_m\right)}{C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_3R_3g_m + C_3C_4L_3L_4\right) + s^3\left(2C_3C_4L_3R_3 + C_3L_1L_3g_m + 2C_4L_1L_4g_m\right) + s^2\left(C_3L_3 + 2C_4L_1R_3g_m + 2C_4L_3 + C_4L_4\right) + s\left(2C_4R_3 + L_1g_m\right) + 1}
10.151 INVALID-ORDER-151 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                      H(s) = \frac{C_3L_1L_3L_4R_3g_ms^4 + L_1L_3L_4g_ms^3 + L_1L_4R_3g_ms^2}{2C_3C_4L_1L_3L_4R_3g_ms^5 + 2R_3 + s^4\left(2C_3C_4L_3L_4R_3 + C_3L_1L_3L_4g_m + 2C_4L_1L_3L_4g_m\right) + s^3\left(2C_3L_1L_3R_3g_m + C_3L_3L_4 + 2C_4L_1L_4R_3g_m + 2C_4L_3L_4\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_1L_3g_m + L_1L_4g_m\right) + s\left(2L_1R_3g_m + 2L_3L_4\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_1L_3g_m + L_1L_4g_m\right) + s\left(2L_1R_3g_m + 2L_3L_4\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_1L_3g_m + L_1L_4g_m\right) + s\left(2L_1R_3g_m + 2L_3L_4\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_1L_3g_m + 2L_3L_4\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_4L_4g_m\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_4L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_4L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_4L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_4L_4R_3 + 2L_4L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + 2C_4L_4R_3 + 2L_4R_3 + 2L_4L_4R_3 + 2L_4
10.152 INVALID-ORDER-152 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                  H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + L_1R_3g_ms + s^4\left(C_3C_4L_1L_3R_3R_4g_m + C_4L_1L_3L_4g_m\right) + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_4R_3g_m\right) + s^2\left(C_4L_1R_3R_4g_m + L_1L_3g_m\right)}{C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_3R_4g_m + C_4L_1L_3g_m\right) + s^2\left(C_3L_1L_3R_4g_m + C_4L_1L_4R_3g_m\right) + s^2\left(C_4L_1R_3R_4g_m + L_1L_3g_m\right)}
10.153 INVALID-ORDER-153 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_3L_1L_3L_4R_3R_4g_ms^4 + L_1L_3L_4R_4g_ms^3 + L_1L_4R_3R_4g_ms^2
H(s) = \frac{C_3L_1L_3L_4R_3R_4g_ms + L_1L_3L_4R_4g_ms + L_1L_3L_4R_4g_ms + L_1L_3L_4R_4g_ms}{2C_3C_4L_1L_3L_4R_3R_4g_ms^5 + 2R_3R_4 + s^4\left(2C_3C_4L_3L_4R_3g_m + C_3L_1L_3L_4R_3g_m + 2C_4L_1L_3L_4R_4g_m\right) + s^3\left(2C_3L_1L_3R_3R_4g_m + 2C_4L_1L_4R_3R_4g_m + 2C_4L_3L_4R_4g_m\right) + s^2\left(2C_3L_3R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_3R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_3R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_3R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_3R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_3R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s^2\left(2C_3L_4R_3R_4g
10.154 INVALID-ORDER-154 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + L_1R_3R_4g_ms + s^4\left(C_3L_1L_3L_4R_3g_m + C_4L_1L_3L_4R_3g_m + C_4L_1L_4R_3R_4g_m + L_1L_3L_4g_m\right) + s^2\left(L_1L_3R_4g_m + L_1L_4R_3g_m + L_1L_4R_3g_m
10.155 INVALID-ORDER-155 Z(s) = \left(L_1 s, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
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 $\frac{2R_{3} + R_{4} + s^{5} \left(2C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{3}C_{4}L_{1}L_{3}R_{4}g_{m} + C_{4}L_{1}L_{3}R_{4}g_{m} + C_{4}L_{1}L_{3}R_{4}g_{m} + C_{4}L_{1}L_{4}R_{3}g_{m} + C_{4}L_{1}L_{4}R_{4}g_{m} + C_{4}L_{4}L_{4}R_{4}g_{m} + C_{$

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

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10.156 INVALID-ORDER-156 Z(s) = \left(L_1 s, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                              H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1R_3R_4g_ms}{2R_3 + R_4 + s^3\left(2C_3L_1L_3R_3g_m + C_3L_1L_3R_4g_m\right) + s^2\left(C_3L_1R_3R_4g_m + 2C_3L_3R_3 + C_3L_3R_4\right) + s\left(C_3R_3R_4 + 2L_1R_3g_m + L_1R_4g_m\right)}
10.157 INVALID-ORDER-157 Z(s) = \left(L_1 s, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                    H(s) = \frac{C_3L_1L_3R_3g_ms^3 + L_1R_3g_ms}{2C_3C_4L_1L_3R_3g_ms^4 + s^3\left(2C_3C_4L_3R_3 + C_3L_1L_3g_m\right) + s^2\left(C_3L_1R_3g_m + C_3L_3 + 2C_4L_1R_3g_m\right) + s\left(C_3R_3 + 2C_4R_3 + L_1g_m\right) + 1}
10.158 INVALID-ORDER-158 Z(s) = \left(L_1 s, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                              H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1R_3R_4g_ms}{2C_3C_4L_1L_3R_3R_4g_ms^4 + 2R_3 + R_4 + s^3\left(2C_3C_4L_3R_3R_4 + 2C_3L_1L_3R_3g_m + C_3L_1L_3R_4g_m\right) + s^2\left(C_3L_1R_3R_4g_m + 2C_3L_3R_3 + C_3L_3R_4 + 2C_4L_1R_3R_4g_m\right) + s\left(C_3R_3R_4 + 2C_4R_3R_4 + 2L_1R_3g_m + L_1R_4g_m\right)}
10.159 INVALID-ORDER-159 Z(s) = \left(L_1 s, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                        H(s) = \frac{C_3C_4L_1L_3R_3R_4g_ms^4 + C_3L_1L_3R_3g_ms^3 + C_4L_1R_3R_4g_ms^2 + L_1R_3g_ms}{s^4\left(2C_3C_4L_1L_3R_3g_m + C_3C_4L_1R_3R_4g_m\right) + s^3\left(C_3C_4L_1R_3R_4g_m + 2C_3C_4L_3R_3 + C_3L_4L_3R_3g_m\right) + s^2\left(C_3C_4R_3R_4 + C_3L_1R_3g_m + C_3L_4R_3g_m + C_4L_1R_3g_m\right) + s\left(C_3R_3 + 2C_4R_3 + 2C_4R_3 + 2C_4R_3R_4 + C_3L_1R_3g_m\right) + s^2\left(C_3C_4R_3R_4 + C_3L_1R_3g_m + C_3L_4R_3g_m\right) + s^2\left(C_3C_4R_3R_4 + C_3L_4R_3g_m + C_3L_4R_3g_m\right) + s^2\left(C_3C_4R_3R_4 
10.160 INVALID-ORDER-160 Z(s) = \left(L_1 s, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                       H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + L_1R_3g_ms + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_4R_3g_m\right)}{C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_3R_3g_m + C_3C_4L_1L_4R_3g_m + C_3C_4L_3L_4\right) + s^3\left(2C_3C_4L_3R_3 + C_3C_4L_4R_3 + C_3L_1L_4g_m\right) + s^2\left(C_3L_1R_3g_m + C_3L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_3L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_3L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_3L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_3L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_3L_4R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_3R_4R_3g_m\right) + 
10.161 INVALID-ORDER-161 Z(s) = \left(L_1 s, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                         H(s) = \frac{C_3L_1L_3L_4R_3g_ms^4 + L_1L_4R_3g_ms^2}{2C_3C_4L_1L_3L_4R_3g_ms^5 + 2R_3 + s^4\left(2C_3C_4L_3L_4R_3 + C_3L_1L_3L_4g_m\right) + s^3\left(2C_3L_1L_3R_3g_m + C_3L_1L_4R_3g_m + C_3L_3L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + C_3L_4R_3 + 2C_4L_4R_3 + L_1L_4g_m\right) + s\left(2L_1R_3g_m + L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + C_3L_4R_3 + 2C_4L_4R_3 + L_1L_4g_m\right) + s\left(2L_1R_3g_m + L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + C_3L_4R_3 + 2C_4L_4R_3 + L_1L_4g_m\right) + s\left(2L_1R_3g_m + L_4R_3g_m\right) + s^2\left(2C_3L_3R_3 + C_3L_4R_3 + 2C_4L_4R_3 + L_1L_4g_m\right) + s\left(2L_1R_3g_m + C_3L_4R_3 + 2C_4L_4R_3 + 2C_4L_4R_3 + L_1L_4g_m\right) + s\left(2C_3L_4R_3 + 2C_4L_4R_3 + 2C_4L_4R
10.162 INVALID-ORDER-162 Z(s) = \left(L_1 s, \infty, \frac{R_3\left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + C_3C_4L_1L_3R_3g_ms^4 + C_4L_1R_3g_ms^4 + C_4L_1R_3g_ms + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_4R_3g_m\right)}{C_3C_4L_1L_3L_4g_ms^5 + s^4\left(2C_3C_4L_1L_3R_3g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1R_3g_m + C_3C_4L_1R_3g_m + C_4L_1L_4g_m\right) + s^2\left(C_3C_4R_3R_4 + C_3L_1R_3g_m + C_4L_1R_3g_m + C_4L_1R_3g_
10.163 INVALID-ORDER-163 Z(s) = \left(L_1 s, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                          \frac{C_{3}L_{1}L_{3}L_{4}R_{3}R_{4}g_{m}s^{4} + L_{1}L_{4}R_{3}R_{4}g_{m}s^{2}}{2C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4} + s^{4}\left(2C_{3}C_{4}L_{3}L_{4}R_{3}R_{4} + 2C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{3}L_{1}L_{4}R_{3}R_{4}g_{m} + C_{3}L_{4}R_{3}R_{4}g_{m} + C_{3}L_{
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 $H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + C_3L_1L_3L_4R_3g_ms^4 + L_1L_4R_3g_ms^2 + L_1R_3R_4g_ms + s^3\left(C_3L_1L_3R_3R_4g_m + C_4L_1L_4R_3R_4g_m\right)}{2R_3 + R_4 + s^5\left(2C_3C_4L_1L_3L_4R_3g_m + C_3L_4L_3L_4R_3g_m + C_3L_4L_4R_3g_m + C_$

10.164 INVALID-ORDER-164 $Z(s) = \left(L_1 s, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

10.165 INVALID-ORDER-165
$$Z(s) = \left(L_1 s, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

 $H(s) = \frac{C_3C_4L_1L_3L_4R_3R_4g_ms^5 + L_1R_3R_4g_ms + s^3\left(C_3L_1L_3R_3R_4g_m + C_4L_1L_4R_3R_4g_m\right)}{2R_3 + R_4 + s^5\left(2C_3C_4L_1L_3L_4R_3g_m + C_3C_4L_1L_3L_4R_3g_m + C_3C_4L_1L_4R_3g_m + C_3C_4L_4L_4R_3g_m + C_3C_4L_4L_4R_3g_m + C_3C_$

10.166 INVALID-ORDER-166 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, R_4, \infty, \infty\right)$

$$H(s) = \frac{R_3 R_4 g_m}{2R_3 g_m + R_4 g_m + s \left(2C_1 R_3 + C_1 R_4\right)}$$

10.167 INVALID-ORDER-167 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_4 R_3 g_m s^2 + R_3 g_m}{C_1 C_4 L_4 s^3 + g_m + s^2 \left(2 C_1 C_4 R_3 + C_4 L_4 g_m\right) + s \left(C_1 + 2 C_4 R_3 g_m\right)}$$

10.168 INVALID-ORDER-168 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{L_4 R_3 g_m s}{2C_1 C_4 L_4 R_3 s^3 + 2R_3 g_m + s^2 \left(C_1 L_4 + 2C_4 L_4 R_3 g_m\right) + s \left(2C_1 R_3 + L_4 g_m\right)}$$

10.169 INVALID-ORDER-169 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_4 R_3 g_m s^2 + C_4 R_3 R_4 g_m s + R_3 g_m}{C_1 C_4 L_4 s^3 + g_m + s^2 \left(2 C_1 C_4 R_3 + C_1 C_4 R_4 + C_4 L_4 g_m\right) + s \left(C_1 + 2 C_4 R_3 g_m + C_4 R_4 g_m\right)}$$

10.170 INVALID-ORDER-170 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{L_4 R_3 R_4 g_m s}{2C_1 C_4 L_4 R_3 R_4 s^3 + 2R_3 R_4 g_m + s^2 \left(2C_1 L_4 R_3 + C_1 L_4 R_4 + 2C_4 L_4 R_3 R_4 g_m\right) + s \left(2C_1 R_3 R_4 + 2L_4 R_3 g_m + L_4 R_4 g_m\right)}$$

10.171 INVALID-ORDER-171 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_4L_4R_3R_4g_ms^2 + L_4R_3g_ms + R_3R_4g_m}{2R_3g_m + R_4g_m + s^3\left(2C_1C_4L_4R_3 + C_1C_4L_4R_4\right) + s^2\left(C_1L_4 + 2C_4L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + L_4g_m\right)}$$

10.172 INVALID-ORDER-172 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_4 R_3 R_4 g_m s^2 + R_3 R_4 g_m}{2 R_3 g_m + R_4 g_m + s^3 \left(2 C_1 C_4 L_4 R_3 + C_1 C_4 L_4 R_4\right) + s^2 \left(2 C_1 C_4 R_3 R_4 + 2 C_4 L_4 R_3 g_m + C_4 L_4 R_4 g_m\right) + s \left(2 C_1 R_3 + C_1 R_4 + 2 C_4 R_3 R_4 g_m\right)}$$

10.173 INVALID-ORDER-173 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{g_m}{s^2 (C_1 C_3 + 2C_1 C_4) + s (C_3 g_m + 2C_4 g_m)}$$

10.174 INVALID-ORDER-174 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 R_4 g_m s + g_m}{C_1 C_3 C_4 R_4 s^3 + s^2 \left(C_1 C_3 + 2 C_1 C_4 + C_3 C_4 R_4 g_m\right) + s \left(C_3 g_m + 2 C_4 g_m\right)}$$

10.175 INVALID-ORDER-175
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 g_m s^2 + g_m}{C_1 C_3 C_4 L_4 s^4 + C_3 C_4 L_4 g_m s^3 + s^2 \left(C_1 C_3 + 2C_1 C_4\right) + s \left(C_3 g_m + 2C_4 g_m\right)}$$

10.176 INVALID-ORDER-176
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_4 g_m s}{2C_1 s + 2g_m + s^3 \left(C_1 C_3 L_4 + 2C_1 C_4 L_4\right) + s^2 \left(C_3 L_4 g_m + 2C_4 L_4 g_m\right)}$$

10.177 INVALID-ORDER-177
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 g_m s^2 + C_4 R_4 g_m s + g_m}{C_1 C_3 C_4 L_4 s^4 + s^3 \left(C_1 C_3 C_4 R_4 + C_3 C_4 L_4 g_m\right) + s^2 \left(C_1 C_3 + 2 C_1 C_4 + C_3 C_4 R_4 g_m\right) + s \left(C_3 g_m + 2 C_4 g_m\right)}$$

10.178 INVALID-ORDER-178
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_4 R_4 g_m s}{2R_4 g_m + s^3 \left(C_1 C_3 L_4 R_4 + 2C_1 C_4 L_4 R_4\right) + s^2 \left(2C_1 L_4 + C_3 L_4 R_4 g_m + 2C_4 L_4 R_4 g_m\right) + s \left(2C_1 R_4 + 2L_4 g_m\right)}$$

10.179 INVALID-ORDER-179
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 R_4 g_m s^2 + L_4 g_m s + R_4 g_m}{C_1 C_3 C_4 L_4 R_4 s^4 + 2 g_m + s^3 \left(C_1 C_3 L_4 + 2 C_1 C_4 L_4 + C_3 C_4 L_4 R_4 g_m\right) + s^2 \left(C_1 C_3 R_4 + C_3 L_4 g_m + 2 C_4 L_4 g_m\right) + s \left(2 C_1 + C_3 R_4 g_m\right)}$$

10.180 INVALID-ORDER-180
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 R_4 g_m s^2 + R_4 g_m}{C_1 C_3 C_4 L_4 R_4 s^4 + 2 g_m + s^3 \left(2 C_1 C_4 L_4 + C_3 C_4 L_4 R_4 g_m\right) + s^2 \left(C_1 C_3 R_4 + 2 C_1 C_4 R_4 + 2 C_4 L_4 g_m\right) + s \left(2 C_1 + C_3 R_4 g_m + 2 C_4 R_4 g_m\right)}$$

10.181 INVALID-ORDER-181
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 R_3 R_4 g_m s + R_3 g_m}{C_1 C_3 C_4 R_3 R_4 s^3 + g_m + s^2 \left(C_1 C_3 R_3 + 2 C_1 C_4 R_3 + C_1 C_4 R_4 + C_3 C_4 R_3 R_4 g_m\right) + s \left(C_1 + C_3 R_3 g_m + 2 C_4 R_3 g_m + C_4 R_4 g_m\right)}$$

10.182 INVALID-ORDER-182
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_4 R_3 g_m s^2 + R_3 g_m}{C_1 C_3 C_4 L_4 R_3 s^4 + g_m + s^3 \left(C_1 C_4 L_4 + C_3 C_4 L_4 R_3 g_m\right) + s^2 \left(C_1 C_3 R_3 + 2 C_1 C_4 R_3 + C_4 L_4 g_m\right) + s \left(C_1 + C_3 R_3 g_m + 2 C_4 R_3 g_m\right)}$$

10.183 INVALID-ORDER-183
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_4 R_3 g_m s}{2 R_3 g_m + s^3 \left(C_1 C_3 L_4 R_3 + 2 C_1 C_4 L_4 R_3 \right) + s^2 \left(C_1 L_4 + C_3 L_4 R_3 g_m + 2 C_4 L_4 R_3 g_m \right) + s \left(2 C_1 R_3 + L_4 g_m \right)}$$

10.184 INVALID-ORDER-184
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_4R_3g_ms^2 + C_4R_3R_4g_ms + R_3g_m}{C_1C_3C_4L_4R_3s^4 + g_m + s^3\left(C_1C_3C_4R_3R_4 + C_1C_4L_4 + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_1C_4R_4 + C_3C_4R_3R_4g_m + C_4L_4g_m\right) + s\left(C_1 + C_3R_3g_m + 2C_4R_3g_m + C_4R_4g_m\right)}$$

10.185 INVALID-ORDER-185 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $H(s) = \frac{L_4 R_3 R_4 g_m s}{2 R_3 R_4 g_m + s^3 \left(C_1 C_3 L_4 R_3 R_4 + 2 C_1 C_4 L_4 R_3 R_4 \right) + s^2 \left(2 C_1 L_4 R_3 + C_1 L_4 R_4 + C_3 L_4 R_3 R_4 g_m + 2 C_4 L_4 R_3 R_4 g_m \right) + s \left(2 C_1 R_3 R_4 + 2 L_4 R_3 g_m + L_4 R_4 g_m \right)}{2 R_3 R_4 g_m + s^3 \left(C_1 C_3 L_4 R_3 R_4 + 2 C_1 C_4 L_4 R_3 R_4 \right) + s^2 \left(2 C_1 L_4 R_3 + C_1 L_4 R_4 + C_3 L_4 R_3 R_4 g_m + 2 C_4 L_4 R_3 R_4 g_m \right) + s \left(2 C_1 R_3 R_4 + 2 L_4 R_3 g_m + L_4 R_4 g_m \right)}$ **10.186** INVALID-ORDER-186 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_4L_4R_3R_4g_ms^2 + L_4R_3g_ms + R_3R_4g_m}{C_1C_3C_4L_4R_3R_4s^4 + 2R_3g_m + R_4g_m + s^3\left(C_1C_3L_4R_3 + 2C_1C_4L_4R_3 + C_1C_4L_4R_3 + C_1C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_3R_4 + C_1L_4 + C_3L_4R_3g_m + 2C_4L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + C_3R_3R_4g_m + L_4g_m\right)}$ 10.187 INVALID-ORDER-187 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_4L_4R_3R_4g_ms^2 + R_3R_4g_m}{C_1C_3C_4L_4R_3R_4s^4 + 2R_3g_m + R_4g_m + s^3\left(2C_1C_4L_4R_3 + C_1C_4L_4R_4 + C_3C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_3R_4 + 2C_4L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + C_3R_3R_4g_m + 2C_4R_3R_4g_m\right) + s\left(2C_1R_3 + C_4R_4R_4g_m + 2C_4R_4R_4g_m\right) + s\left(2C_1R_4R_4R_4g_m + 2C_4R_4R_4g_m\right) + s\left(2C_1R_4R_4R_$ **10.188** INVALID-ORDER-188 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3 R_3 g_m s + g_m}{2C_1 C_3 C_4 R_3 s^3 + s^2 \left(C_1 C_3 + 2C_1 C_4 + 2C_3 C_4 R_3 g_m\right) + s \left(C_3 g_m + 2C_4 g_m\right)}$ **10.189** INVALID-ORDER-189 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3 R_3 R_4 g_m s + R_4 g_m}{2 C_1 C_3 C_4 R_3 R_4 s^3 + 2 g_m + s^2 \left(2 C_1 C_3 R_3 + C_1 C_3 R_4 + 2 C_1 C_4 R_4 + 2 C_3 C_4 R_3 R_4 g_m\right) + s \left(2 C_1 + 2 C_3 R_3 g_m + C_3 R_4 g_m + 2 C_4 R_4 g_m\right)}{2 C_1 C_2 C_3 C_4 R_3 R_4 s^3 + 2 g_m + s^2 \left(2 C_1 C_3 R_3 + C_1 C_3 R_4 + 2 C_1 C_4 R_4 + 2 C_3 C_4 R_3 R_4 g_m\right) + s \left(2 C_1 + 2 C_3 R_3 g_m + C_3 R_4 g_m + 2 C_4 R_4 g_m\right)}$ **10.190** INVALID-ORDER-190 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4R_3R_4g_ms^2 + g_m + s\left(C_3R_3g_m + C_4R_4g_m\right)}{s^3\left(2C_1C_3C_4R_3 + C_1C_3C_4R_4\right) + s^2\left(C_1C_3 + 2C_1C_4 + 2C_3C_4R_3g_m + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ **10.191** INVALID-ORDER-191 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_4R_3g_ms^3 + C_3R_3g_ms + C_4L_4g_ms^2 + g_m}{C_1C_3C_4L_4s^4 + s^3\left(2C_1C_3C_4R_3 + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ **10.192** INVALID-ORDER-192 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_4R_3g_ms^2 + L_4g_ms}{2C_1C_3C_4L_4R_3s^4 + 2g_m + s^3\left(C_1C_3L_4 + 2C_1C_4L_4 + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_1C_3R_3 + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1 + 2C_3R_3g_m\right)}$ **10.193** INVALID-ORDER-193 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_4R_3g_ms^3 + g_m + s^2\left(C_3C_4R_3R_4g_m + C_4L_4g_m\right) + s\left(C_3R_3g_m + C_4R_4g_m\right)}{C_1C_3C_4L_4s^4 + s^3\left(2C_1C_3C_4R_3 + C_1C_3C_4R_4 + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + 2C_3C_4R_3g_m + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ **10.194** INVALID-ORDER-194 $Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{C_3L_4R_3R_4g_ms^2 + L_4R_4g_ms}{2C_1C_3C_4L_4R_3R_4s^4 + 2R_4g_m + s^3\left(2C_1C_3L_4R_3 + C_1C_3L_4R_4 + 2C_3C_4L_4R_3R_4g_m\right) + s^2\left(2C_1C_3R_3R_4 + 2C_1L_4 + 2C_3L_4R_3g_m + C_3L_4R_4g_m\right) + s\left(2C_1R_4 + 2C_3R_3R_4g_m + 2L_4g_m\right)}{2C_1C_3C_4L_4R_3R_4s^4 + 2R_4g_m + s^3\left(2C_1C_3L_4R_3 + C_1C_3L_4R_4 + 2C_3C_4L_4R_3R_4g_m\right) + s^2\left(2C_1C_3R_3R_4 + 2C_1L_4 + 2C_3L_4R_3g_m + C_3L_4R_4g_m\right) + s\left(2C_1R_4 + 2C_3R_3R_4g_m + 2C_4L_4R_4g_m\right) + s\left(2C_1R_4 + 2C_3R_3R_4g_m + 2C_4R_4g_m\right) + s\left(2C_1R_4 + 2C_3R_3R_4g_m\right) + s\left(2C_1R_4 + 2C_3R_3R_4g_m\right) + s\left(2C_1R_4 + 2C_3R_4R_4g_m\right) + s\left(2C_1R$

10.195 INVALID-ORDER-195
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_4R_3R_4g_ms^3 + R_4g_m + s^2\left(C_3L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(C_3R_3R_4g_m + L_4g_m\right)}{2g_m + s^4\left(2C_1C_3C_4L_4R_3 + C_1C_3C_4L_4R_4\right) + s^3\left(C_1C_3L_4 + 2C_1C_4L_4 + 2C_3C_4L_4R_3g_m + C_3C_4L_4R_4g_m\right) + s^2\left(2C_1C_3R_3 + C_1C_3R_4 + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1 + 2C_3R_3g_m + C_3R_4g_m\right)}$$

10.196 INVALID-ORDER-196
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_4R_3R_4g_ms^3 + C_3R_3R_4g_ms + C_4L_4R_4g_ms^2 + R_4g_m}{2g_m + s^4\left(2C_1C_3C_4L_4R_3 + C_1C_3C_4L_4R_4\right) + s^3\left(2C_1C_3C_4R_3R_4 + 2C_1C_4L_4 + 2C_3C_4L_4R_3g_m + C_3C_4L_4R_4g_m\right) + s^2\left(2C_1C_3R_3 + C_1C_3R_4 + 2C_1C_4R_4 + 2C_3C_4R_3R_4g_m + 2C_4L_4g_m\right) + s\left(2C_1 + 2C_3R_3g_m + C_3R_4g_m + 2C_4R_4g_m\right)}$$

10.197 INVALID-ORDER-197 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_3 L_3 R_4 g_m s^2 + R_4 g_m}{2C_1 C_3 L_3 s^3 + 2g_m + s^2 \left(C_1 C_3 R_4 + 2C_3 L_3 g_m\right) + s \left(2C_1 + C_3 R_4 g_m\right)}$$

10.198 INVALID-ORDER-198 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3 L_3 g_m s^2 + g_m}{2C_1 C_3 C_4 L_3 s^4 + 2C_3 C_4 L_3 g_m s^3 + s^2 (C_1 C_3 + 2C_1 C_4) + s (C_3 g_m + 2C_4 g_m)}$$

10.199 INVALID-ORDER-199 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_3R_4g_ms^2 + R_4g_m}{2C_1C_3C_4L_3R_4s^4 + 2g_m + s^3\left(2C_1C_3L_3 + 2C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1C_4R_4 + 2C_3L_3g_m\right) + s\left(2C_1 + C_3R_4g_m + 2C_4R_4g_m\right)}$$

10.200 INVALID-ORDER-200 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_3R_4g_ms^3 + C_3L_3g_ms^2 + C_4R_4g_ms + g_m}{2C_1C_3C_4L_3s^4 + s^3\left(C_1C_3C_4R_4 + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.201 INVALID-ORDER-201 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_3L_4g_ms^4 + g_m + s^2\left(C_3L_3g_m + C_4L_4g_m\right)}{s^4\left(2C_1C_3C_4L_3 + C_1C_3C_4L_4\right) + s^3\left(2C_3C_4L_3g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.202 INVALID-ORDER-202 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_3L_4g_ms^3 + L_4g_ms}{2C_1C_3C_4L_3L_4s^5 + 2C_1s + 2C_3C_4L_3L_4g_ms^4 + 2g_m + s^3\left(2C_1C_3L_3 + C_1C_3L_4 + 2C_1C_4L_4\right) + s^2\left(2C_3L_3g_m + C_3L_4g_m + 2C_4L_4g_m\right)}$$

10.203 INVALID-ORDER-203 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_3L_4g_ms^4 + C_3C_4L_3R_4g_ms^3 + C_4R_4g_ms + g_m + s^2\left(C_3L_3g_m + C_4L_4g_m\right)}{s^4\left(2C_1C_3C_4L_3 + C_1C_3C_4L_4\right) + s^3\left(C_1C_3C_4R_4 + 2C_3C_4L_3g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.204 INVALID-ORDER-204
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_3L_3L_4R_4g_ms}{2C_1C_3C_4L_3L_4R_4s^5 + 2R_4g_m + s^4\left(2C_1C_3L_3L_4 + 2C_3C_4L_3L_4R_4g_m\right) + s^3\left(2C_1C_3L_3R_4 + C_1C_3L_4R_4 + 2C_3L_4R_4g_m\right) + s^2\left(2C_1L_4 + 2C_3L_3R_4g_m + C_3L_4R_4g_m\right) + s\left(2C_1R_4 + 2L_4g_m\right)}{s^2}$$

10.205 INVALID-ORDER-205
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_3L_4R_4g_ms^4 + C_3L_3L_4g_ms^3 + L_4g_ms + R_4g_m + s^2\left(C_3L_3R_4g_m + C_4L_4R_4g_m\right)}{2C_1C_3C_4L_3L_4s^5 + 2g_m + s^4\left(C_1C_3C_4L_4R_4 + 2C_3C_4L_3L_4g_m\right) + s^3\left(2C_1C_3L_3 + C_1C_3L_4 + 2C_1C_4L_4 + C_3C_4L_4R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_3L_3g_m + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1 + C_3R_4g_m\right)}$$

10.206 INVALID-ORDER-206
$$Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_3L_4R_4g_ms^4 + R_4g_m + s^2\left(C_3L_3R_4g_m + C_4L_4R_4g_m\right)}{2C_1C_3C_4L_3L_4s^5 + 2g_m + s^4\left(2C_1C_3C_4L_3R_4 + C_1C_3C_4L_3R_4g_m\right) + s^3\left(2C_1C_3L_3 + 2C_1C_4L_4 + 2C_3C_4L_3R_4g_m + C_3C_4L_4R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1C_4R_4 + 2C_3L_3g_m + 2C_4L_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_4L_4g_m\right) + s^$$

10.207 INVALID-ORDER-207 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$

$$H(s) = \frac{L_3 R_4 g_m s}{C_1 C_3 L_3 R_4 s^3 + R_4 g_m + s^2 \left(2 C_1 L_3 + C_3 L_3 R_4 g_m\right) + s \left(C_1 R_4 + 2 L_3 g_m\right)}$$

10.208 INVALID-ORDER-208 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{L_3 g_m s}{C_1 s + q_m + s^3 \left(C_1 C_3 L_3 + 2 C_1 C_4 L_3 \right) + s^2 \left(C_3 L_3 q_m + 2 C_4 L_3 q_m \right)}$$

10.209 INVALID-ORDER-209 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{L_3 R_4 g_m s}{R_4 q_m + s^3 (C_1 C_3 L_3 R_4 + 2 C_1 C_4 L_3 R_4) + s^2 (2 C_1 L_3 + C_3 L_3 R_4 q_m + 2 C_4 L_3 R_4 q_m) + s (C_1 R_4 + 2 L_3 q_m)}$$

10.210 INVALID-ORDER-210 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_3 R_4 g_m s^2 + L_3 g_m s}{C_1 C_3 C_4 L_3 R_4 s^4 + g_m + s^3 \left(C_1 C_3 L_3 + 2 C_1 C_4 L_3 + C_3 C_4 L_3 R_4 g_m\right) + s^2 \left(C_1 C_4 R_4 + C_3 L_3 g_m + 2 C_4 L_3 g_m\right) + s \left(C_1 + C_4 R_4 g_m\right)}$$

10.211 INVALID-ORDER-211 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_3 L_4 g_m s^3 + L_3 g_m s}{C_1 C_3 C_4 L_3 L_4 s^5 + C_1 s + C_3 C_4 L_3 L_4 g_m s^4 + g_m + s^3 \left(C_1 C_3 L_3 + 2 C_1 C_4 L_3 + C_1 C_4 L_4 \right) + s^2 \left(C_3 L_3 g_m + 2 C_4 L_3 g_m + C_4 L_4 g_m \right)}$$

10.212 INVALID-ORDER-212 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_{3s}}{C_3 L_{3s}^2 + 1}, \frac{L_{4s}}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{L_3 L_4 g_m s}{2 L_3 g_m + L_4 g_m + s^3 \left(C_1 C_3 L_3 L_4 + 2 C_1 C_4 L_3 L_4 \right) + s^2 \left(C_3 L_3 L_4 g_m + 2 C_4 L_3 L_4 g_m \right) + s \left(2 C_1 L_3 + C_1 L_4 \right)}$$

10.213 INVALID-ORDER-213 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_3 L_4 g_m s^3 + C_4 L_3 R_4 g_m s^2 + L_3 g_m s}{C_1 C_3 C_4 L_3 L_4 s^5 + g_m + s^4 \left(C_1 C_3 C_4 L_3 R_4 + C_3 C_4 L_3 L_4 g_m\right) + s^3 \left(C_1 C_3 L_3 + 2 C_1 C_4 L_3 + C_1 C_4 L_4 + C_3 C_4 L_3 R_4 g_m\right) + s^2 \left(C_1 C_4 R_4 + C_3 L_3 g_m + 2 C_4 L_3 g_m + C_4 L_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 + C_4 L_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 + C_3 C_4 L_3 R_4 g_m\right) + s \left(C_1 C_4 R_4 g_m\right) + s \left(C_1 C_4$$

10.214 INVALID-ORDER-214
$$Z(s) = \begin{pmatrix} c_{i_1}^{+} & \infty & c_{i_1}^{+} c_{i_2}^{+} & c_{i_1}^{+} c_{i_2}^{+} & c_{i_2}^{+} c_{i_2}^{+} & c_{i_2}^{+} & c_{i_2}^{+} c_{i_2}^{+} c_{i_2}^{+} & c_{i_2}^{+} c_{i_2}^{+} c_{i_2}^{+} c_{i_2}^{+} & c_$$

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H(s) = \frac{C_3L_3L_4R_4g_ms^3 + C_3L_4R_3R_4g_ms^2 + L_4R_4g_ms}{2C_1C_3C_4L_3L_4R_4s^5 + 2R_4g_m + s^4\left(2C_1C_3C_4L_4R_3R_4 + 2C_1C_3L_4R_4 + 2C_1C_3L_4R_3 + C_1C_3L_4R_3 + C_1C_4L_4R_4 + 2C_3C_4L_4R_3R_4g_m + s^2\left(2C_1C_3R_3R_4 + 2C_1L_4 + 2C_3L_3R_4g_m + 2C_3L_4R_3g_m + C_3L_4R_4g_m + 2C_3L_4R_3g_m + 2C_3L_4R_3g_m
10.225 INVALID-ORDER-225 Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
    H(s) = \frac{C_3C_4L_3L_4R_4g_ms^4 + R_4g_m + s^3\left(C_3C_4L_4R_3R_4g_m + C_3L_3L_4g_m\right) + s^2\left(C_3L_3R_4g_m + C_4L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(C_3R_3R_4g_m + L_4g_m\right)}{2C_1C_3C_4L_3L_4s^5 + 2g_m + s^4\left(2C_1C_3C_4L_4R_3 + C_1C_3C_4L_4R_3 + C_1C_3L_4 + 2C_1C_4L_4 + 2C_3C_4L_4R_3g_m + C_3C_4L_4R_3g_m + C_3L_4g_m\right) + s^2\left(2C_1C_3R_3 + C_1C_3R_4 + 2C_3L_4g_m\right) + s^2\left(2C_1C_3R_3 + C_1C_3R_4 + 2C_3R_4g_m\right) + s^2\left(2C_1C_3R_4 + 2C_3R_4g_m\right) 
10.226 INVALID-ORDER-226 Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_4g_ms^4 + C_3C_4L_4R_3R_4g_ms^3 + C_3R_3R_4g_ms + R_4g_m + s^2\left(C_3L_3R_4g_m + C_4L_4R_4g_m\right)}{2C_1C_3C_4L_3L_4s^5 + 2g_m + s^4\left(2C_1C_3C_4L_3R_4 + 2C_1C_3C_4L_4R_3 + C_1C_3C_4L_4R_4 + 2C_3C_4L_3R_4g_m\right) + s^3\left(2C_1C_3C_4R_3R_4 + 2C_1C_3L_4R_4 + 2C_3C_4L_4R_3g_m + C_3C_4L_4R_3g_m + C_3C_4L_4R_4g_m\right) + s^2\left(2C_1C_3C_4L_3R_4 + 2C_1C_3C_4L_4R_4 + 2C_3C_4L_3R_4g_m + C_3C_4L_4R_3g_m + 
10.227 INVALID-ORDER-227 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                          H(s) = \frac{L_3 R_3 R_4 g_m s}{C_1 C_3 L_3 R_3 R_4 s^3 + R_3 R_4 q_m + s^2 \left(2 C_1 L_3 R_3 + C_1 L_3 R_4 + C_3 L_3 R_3 R_4 q_m\right) + s \left(C_1 R_3 R_4 + 2 L_3 R_3 q_m + L_3 R_4 q_m\right)}
10.228 INVALID-ORDER-228 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_{3s}}{C_3 L_3 R_{3s}^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                          H(s) = \frac{L_3 R_3 g_m s}{R_3 g_m + s^3 \left( C_1 C_3 L_3 R_3 + 2 C_1 C_4 L_3 R_3 \right) + s^2 \left( C_1 L_3 + C_3 L_3 R_3 g_m + 2 C_4 L_3 R_3 g_m \right) + s \left( C_1 R_3 + L_3 g_m \right)}
10.229 INVALID-ORDER-229 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                        H(s) = \frac{L_3 R_3 R_4 g_m s}{R_3 R_4 g_m + s^3 \left(C_1 C_3 L_3 R_3 R_4 + 2 C_1 C_4 L_3 R_3 R_4\right) + s^2 \left(2 C_1 L_3 R_3 + C_1 L_3 R_4 + C_3 L_3 R_3 R_4 g_m + 2 C_4 L_3 R_3 R_4 g_m\right) + s \left(C_1 R_3 R_4 + 2 L_3 R_3 g_m + L_3 R_4 g_m\right)}
10.230 INVALID-ORDER-230 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                 H(s) = \frac{C_4 L_3 R_3 R_4 g_m s^2 + L_3 R_3 g_m s}{C_1 C_3 C_4 L_3 R_3 R_4 s^4 + R_3 g_m + s^3 \left( C_1 C_3 L_3 R_3 + 2 C_1 C_4 L_3 R_3 + C_1 C_4 L_3 R_4 + C_3 C_4 L_3 R_3 R_4 g_m \right) + s^2 \left( C_1 C_4 R_3 R_4 + C_1 L_3 + C_3 L_3 R_3 g_m + 2 C_4 L_3 R_3 g_m + C_4 L_3 R_4 g_m \right) + s \left( C_1 R_3 + C_4 R_3 R_4 g_m + L_3 g_m \right)}
10.231 INVALID-ORDER-231 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                            H(s) = \frac{C_4L_3L_4R_3g_ms^3 + L_3R_3g_ms}{C_1C_3C_4L_3L_4R_3s^5 + R_3g_m + s^4\left(C_1C_4L_3L_4 + C_3C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_3R_3 + 2C_1C_4L_3R_3 + C_1C_4L_4R_3 + C_4L_3L_4g_m\right) + s^2\left(C_1L_3 + C_3L_3R_3g_m + 2C_4L_3R_3g_m + C_4L_4R_3g_m\right) + s\left(C_1R_3 + L_3g_m\right)}
10.232 INVALID-ORDER-232 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                           H(s) = \frac{L_3L_4R_3g_ms}{2L_3R_3g_m + L_4R_3g_m + s^3\left(C_1C_3L_3L_4R_3 + 2C_1C_4L_3L_4R_3\right) + s^2\left(C_1L_3L_4 + C_3L_3L_4R_3g_m + 2C_4L_3L_4R_3g_m\right) + s\left(2C_1L_3R_3 + C_1L_4R_3 + L_3L_4g_m\right)}
10.233 INVALID-ORDER-233 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
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10.224 INVALID-ORDER-224 $Z(s) = \left(\frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $\frac{C_4L_3L_4R_3g_ms^3 + C_4L_3R_3g_ms^2 + L_3R_3g_ms}{C_1C_3C_4L_3L_4R_3s^5 + R_3g_m + s^4\left(C_1C_3C_4L_3R_4 + C_1C_4L_3L_4 + C_3C_4L_3R_3 + 2C_1C_4L_3R_3 + C_1C_4L_3R_4 + C_1C_4L_4R_3 + C_3C_4L_3R_3R_4 + C_1L_3 + C_3L_3R_3g_m + 2C_4L_3R_3g_m + C_4L_3R_3g_m + C$

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10.234 INVALID-ORDER-234 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                 H(s) = \frac{L_3L_4R_3R_4g_ms}{2L_3R_3R_4g_m + L_4R_3R_4g_m + s^3\left(C_1C_3L_3L_4R_3R_4 + 2C_1C_4L_3L_4R_3R_4\right) + s^2\left(2C_1L_3L_4R_3 + C_1L_3L_4R_3R_4g_m + 2C_4L_3L_4R_3R_4g_m\right) + s\left(2C_1L_3R_3R_4 + C_1L_4R_3R_4 + 2C_4L_3L_4R_3R_4\right) + s^2\left(2C_1L_3L_4R_3R_4 + C_3L_3L_4R_3R_4g_m + 2C_4L_3L_4R_3R_4g_m\right) + s\left(2C_1L_3R_3R_4 + 2C_4L_3L_4R_3R_4 + 2C_4L_3L_4R_3R_4\right) + s^2\left(2C_1L_3L_4R_3R_4 + 2C_4L_3L_4R_3R_4 + 2C_4L_3L_4R_3R_4\right) + s^2\left(2C_1L_3L_4R_3R_4 + 2C_4L_3L_4R_3R_4 + 2C_4L_3L_4R_3R_4\right) + s^2\left(2C_1L_3L_4R_3R_4 + 2C_4L_3L_4R_3R_4\right) + s^2\left(2C_1L_3L_4R_3R_4\right) + s^2\left(2C_1L_3L_4R
10.235 INVALID-ORDER-235 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                               \frac{C_4L_3L_4R_3R_4g_ms^3 + L_3L_4R_3g_ms^2 + L_3R_3R_4g_ms}{C_1C_3C_4L_3L_4R_3R_4s^5 + R_3R_4g_m + s^4\left(C_1C_3L_3L_4R_3 + C_1C_4L_3L_4R_3 + C_1C_4L_3L_4R_3R_4g_m\right) + s^3\left(C_1C_3L_3R_3R_4 + C_1L_4L_4R_3R_4 + C_1L_4L_4R_3g_m + C_4L_3L_4R_3g_m + C_
10.236 INVALID-ORDER-236 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{L_3 R_{3s}}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_4 L_3 L_4 R_3 R_4 g_m s^3 + L_3 R_3 R_4 g_m s}{C_1 C_3 C_4 L_3 L_4 R_3 R_4 g_m + s^4 \left(2 C_1 C_4 L_3 L_4 R_3 + C_1 C_4 L_3 L_4 R_3 + C_1 C_4 L_3 L_4 R_3 R_4 g_m\right) + s^3 \left(C_1 C_3 L_3 R_3 R_4 + 2 C_1 C_4 L_3 L_4 R_3 R_4 + 2 C_4 L_3 L_4 R_3 g_m + C_4 L_3 L_4 R_3 g_m\right) + s^2 \left(2 C_1 L_3 R_3 + C_1 L_3 R_4 + C_3 L_3 R_3 R_4 g_m + C_4 L_4 R_3 R_4 g_m\right)}
10.237 INVALID-ORDER-237 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                    H(s) = \frac{C_3L_3R_3R_4g_ms^2 + L_3R_4g_ms + R_3R_4g_m}{2R_3q_m + R_4q_m + s^3\left(2C_1C_3L_3R_3 + C_1C_3L_3R_4\right) + s^2\left(2C_1L_3 + 2C_3L_3R_3g_m + C_3L_3R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + 2L_3g_m\right)}
10.238 INVALID-ORDER-238 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                      H(s) = \frac{C_3L_3R_3g_ms^2 + L_3g_ms + R_3g_m}{2C_1C_3C_4L_3R_3s^4 + g_m + s^3\left(C_1C_3L_3 + 2C_1C_4L_3 + 2C_3C_4L_3R_3g_m\right) + s^2\left(2C_1C_4R_3 + C_3L_3g_m + 2C_4L_3g_m\right) + s\left(C_1 + 2C_4R_3g_m\right)}
10.239 INVALID-ORDER-239 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                        H(s) = \frac{C_3L_3R_3R_4g_ms^2 + L_3R_4g_ms + R_3R_4g_m}{2C_1C_3C_4L_3R_3R_4s^4 + 2R_3g_m + R_4g_m + s^3\left(2C_1C_3L_3R_3 + C_1C_3L_3R_4 + 2C_1C_4L_3R_4 + 2C_3C_4L_3R_3R_4g_m\right) + s^2\left(2C_1C_4R_3R_4 + 2C_3L_3R_3g_m + C_3L_3R_4g_m + 2C_4L_3R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + 2C_4R_3R_4g_m + 2C_4L_3R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + 2C_4R_3R_4g_m + 2C_4L_3R_4g_m\right) + s\left(2C_1R_3 + C_4R_3R_4g_m + 2C_4R_3R_4g_m\right) + s\left(2C_1R_3 + C_4R_3R_4g_m\right) + s\left(2C_1R_3
10.240 INVALID-ORDER-240 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                   H(s) = \frac{C_3C_4L_3R_3R_4g_ms^3 + R_3g_m + s^2\left(C_3L_3R_3g_m + C_4L_3R_4g_m\right) + s\left(C_4R_3R_4g_m + L_3g_m\right)}{g_m + s^4\left(2C_1C_3C_4L_3R_3 + C_1C_3C_4L_3R_4\right) + s^3\left(C_1C_3L_3 + 2C_1C_4L_3 + 2C_3C_4L_3R_3g_m + C_3C_4L_3R_4g_m\right) + s^2\left(2C_1C_4R_3 + C_1C_4R_4 + C_3L_3g_m + 2C_4L_3g_m\right) + s\left(C_1 + 2C_4R_3g_m + C_4R_4g_m\right)}
10.241 INVALID-ORDER-241 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                  H(s) = \frac{C_3C_4L_3L_4R_3g_ms^4 + C_4L_3L_4g_ms^3 + L_3g_ms + R_3g_m + s^2\left(C_3L_3R_3g_m + C_4L_4R_3g_m\right)}{C_1C_3C_4L_3L_4s^5 + g_m + s^4\left(2C_1C_3C_4L_3R_3 + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_3L_3 + 2C_1C_4L_3 + C_1C_4L_4 + 2C_3C_4L_3R_3g_m\right) + s^2\left(2C_1C_4R_3 + C_3L_3g_m + 2C_4L_3g_m + C_4L_4g_m\right) + s\left(C_1 + 2C_4R_3g_m\right)}
10.242 INVALID-ORDER-242 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                  H(s) = \frac{C_3L_3L_4R_3g_ms^3 + L_3L_4g_ms^2 + L_4R_3g_ms}{2C_1C_3C_4L_3L_4R_3s^5 + 2R_3g_m + s^4\left(C_1C_3L_3L_4 + 2C_1C_4L_3L_4 + 2C_3C_4L_3L_4R_3g_m\right) + s^3\left(2C_1C_3L_3R_3 + 2C_1C_4L_4R_3 + C_3L_3L_4g_m + 2C_4L_3L_4g_m\right) + s^2\left(2C_1L_3 + C_1L_4 + 2C_3L_3R_3g_m + 2C_4L_4R_3g_m\right) + s\left(2C_1R_3 + 2L_3g_m + L_4g_m\right)}
10.243 INVALID-ORDER-243 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                    \frac{C_{3}C_{4}L_{3}L_{4}R_{3}g_{m}s^{4}+R_{3}g_{m}+s^{3}\left(C_{3}C_{4}L_{3}R_{3}R_{4}g_{m}+C_{4}L_{3}L_{4}g_{m}\right)+s^{2}\left(C_{3}L_{3}R_{3}g_{m}+C_{4}L_{3}R_{4}g_{m}+C_{4}L_{4}R_{3}g_{m}\right)+s\left(C_{4}R_{3}R_{4}g_{m}+L_{3}g_{m}\right)}{C_{1}C_{3}C_{4}L_{3}L_{4}s^{5}+g_{m}+s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{4}+C_{3}C_{4}L_{3}L_{4}g_{m}\right)+s^{3}\left(C_{1}C_{3}L_{3}+2C_{1}C_{4}L_{3}+C_{1}C_{4}L_{4}+2C_{3}C_{4}L_{3}R_{4}g_{m}+C_{4}L_{4}R_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}\right)+s^{2}\left(2C_{1}C_{4}R_{3}+C_{1}C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{3}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+C_{4}L_{4}g_{m}+
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10.244 INVALID-ORDER-244 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_3L_3L_4R_3R_4g_ms^3 + L_3L_4R_4g_ms^2 + L_4R_3R_4g_ms
H(s) = \frac{C_3L_3L_4R_3R_4g_ms^3 + L_3L_4R_3g_ms^3 + L_3L_4R_3g_ms^4 + L_4R_3R_4g_ms^4}{2C_1C_3L_3L_4R_3R_4g_m + s^4\left(2C_1C_3L_3L_4R_3 + C_1C_4L_3L_4R_4 + 2C_3C_4L_3L_4R_3R_4 + 2C_1C_4L_4R_3R_4 + 2C_1L_3L_4 + 2C_3L_3L_4R_3g_m + C_3L_3L_4R_3g_m + s^4\left(2C_1C_3L_3L_4R_3 + C_1C_4L_3L_4R_3R_4 + 2C_1C_4L_4R_3R_4 + 2C_1L_3L_4R_3g_m + C_3L_3L_4R_3g_m + C_3L_3L_4R_3g_m + C_3L_3L_4R_3g_m + s^4\left(2C_1C_3L_3L_4R_3 + C_1C_4L_3L_4R_3R_4 + 2C_1C_4L_3L_4R_3R_4 + 2C_1C_4L_3L_4R_3g_m + C_3L_3L_4R_3g_m + C_3L_3L_4R_3g_m + C_3L_3L_4R_3g_m + s^4\left(2C_1C_3L_3L_4R_3 + 2C_1C_4L_3L_4R_3R_4 + 2C_1C_4L_3L_4R_3R_4 + 2C_1C_4L_3L_4R_3g_m + C_3L_3L_4R_3g_m + c_3L_3L_3L_3R_3g_m + c_3L_3L_3R_3g_m + c_3L_
10.245 INVALID-ORDER-245 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                               \frac{C_{3}C_{4}L_{3}L_{4}R_{3}R_{4}g_{m}s^{4}+R_{3}R_{4}g_{m}+s^{3}\left(C_{3}L_{3}L_{4}R_{3}g_{m}+C_{4}L_{3}L_{4}R_{3}g_{m}+C_{4}L_{4}R_{3}R_{4}g_{m}+L_{3}L_{4}g_{m}\right)+s\left(L_{3}R_{4}g_{m}+L_{4}L_{3}g_{m}\right)}{2R_{3}g_{m}+R_{4}g_{m}+s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{3}+C_{1}C_{3}L_{4}L_{4}L_{4}+2C_{1}C_{4}L_{3}L_{4}+2C_{1}C_{4}L_{3}L_{4}+2C_{1}C_{4}L_{3}L_{4}+2C_{1}C_{4}L_{3}L_{4}+2C_{1}C_{4}L_{3}L_{4}+2C_{1}C_{4}L_{3}L_{4}+2C_{1}C_{4}L_{4}R_{3}+C_{1}C_{4}L_{4}R_{3}+C_{1}C_{4}L_{4}R_{4}+C_{3}L_{3}L_{4}g_{m}\right)+s^{2}\left(2C_{1}L_{3}+C_{1}L_{4}+2C_{3}L_{3}R_{3}g_{m}+C_{4}L_{3}L_{4}R_{3}+C_{1}C_{4}L_{4}R_{3}+C_{1}C_{4}L_{4}R_{3}+C_{1}C_{4}L_{4}R_{4}+C_{3}L_{4}L_{4}R_{3}+C_{4}L_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}+C_{4}L_{4}R_{4}
10.246 INVALID-ORDER-246 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 (C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_{3}C_{4}L_{3}L_{4}R_{3}R_{4}g_{m}s^{4} + C_{4}L_{3}L_{4}R_{4}g_{m}s^{3} + L_{3}R_{4}g_{m}s + R_{3}R_{4}g_{m} + s^{2}\left(C_{3}L_{3}R_{3}R_{4}g_{m} + C_{4}L_{4}R_{3}R_{4}g_{m}\right)
                              \frac{C_3C_4L_3L_4R_3m_5 + C_4L_3L_4R_4g_m5 + C_4L_3L_4R_4g_m5 + C_4L_3L_4g_m5 + C_4L_3L_4g_m5 + C_4L_3L_4g_m5 + C_4L_3L_4g_m5 + C_4L_3L_4g_m + C_4L_4L_3L_4g_m)}{2R_3g_m + R_4g_m + s^5\left(2C_1C_3C_4L_3L_4R_3 + C_1C_4L_3L_4 + 2C_3C_4L_3L_4R_3g_m + C_3C_4L_3L_4R_3g_m + C_3C_4L_3L_4R_3g_m + C_3C_4L_3L_4R_3 + C_1C_4L_3R_4 + 2C_1C_4L_4R_3 + C_1C_4L_4R_4 + 2C_3C_4L_3L_4g_m) + s^2\left(2C_1C_3C_4L_3L_4R_3 + C_1C_4L_4R_4 + 2C_3C_4L_3L_4R_4g_m + S_4C_4L_3L_4g_m + S_4C_4L_4g_m + S_4C_4L_3L_4g_m + S_4C_4L_4g_m + S_4C_4L_4g_m + S_4C_4L_4g_m + S_4C_4L_4g_m + S_4C_4L_4g_m + S_4C_4L_4g_
10.247 INVALID-ORDER-247 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                        H(s) = \frac{C_3L_3R_3R_4g_ms^2 + R_3R_4g_m}{2R_3g_m + R_4g_m + s^3\left(2C_1C_3L_3R_3 + C_1C_3L_3R_4\right) + s^2\left(C_1C_3R_3R_4 + 2C_3L_3R_3g_m + C_3L_3R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + C_3R_3R_4g_m\right)}
10.248 INVALID-ORDER-248 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                               H(s) = \frac{C_3L_3R_3g_ms^2 + R_3g_m}{2C_1C_3C_4L_3R_3s^4 + g_m + s^3\left(C_1C_3L_3 + 2C_3C_4L_3R_3g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_3L_3g_m\right) + s\left(C_1 + C_3R_3g_m + 2C_4R_3g_m\right)}
10.249 INVALID-ORDER-249 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                            H(s) = \frac{C_3L_3R_3R_4g_ms^2 + R_3R_4g_m}{2C_1C_3C_4L_3R_3R_4s^4 + 2R_3g_m + R_4g_m + s^3\left(2C_1C_3L_3R_3 + C_1C_3L_3R_4 + 2C_3C_4L_3R_3R_4g_m\right) + s^2\left(C_1C_3R_3R_4 + 2C_3L_3R_3g_m + C_3L_3R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + C_3R_3R_4g_m + 2C_4R_3R_4g_m\right) + s\left(2C_1R_3 + C_4R_3R_4g_m + 2C_4R_3R_4g_m\right)
10.250 INVALID-ORDER-250 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                  H(s) = \frac{C_3C_4L_3R_3R_4g_ms^3 + C_3L_3R_3g_ms^2 + C_4R_3R_4g_ms + R_3g_m}{g_m + s^4\left(2C_1C_3C_4L_3R_3 + C_1C_3C_4L_3R_4\right) + s^3\left(C_1C_3C_4R_3R_4 + C_1C_3L_3 + 2C_3C_4L_3R_3g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_1C_4R_4 + C_3C_4R_3R_4g_m + C_3L_3g_m\right) + s\left(C_1 + C_3R_3g_m + 2C_4R_3g_m + C_4R_4g_m\right)}
10.251 INVALID-ORDER-251 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                H(s) = \frac{C_3C_4L_3L_4R_3g_ms^4 + R_3g_m + s^2\left(C_3L_3R_3g_m + C_4L_4R_3g_m\right)}{C_1C_3C_4L_3L_4s^5 + g_m + s^4\left(2C_1C_3C_4L_3R_3 + C_1C_3C_4L_3R_3 + C_1C_4L_4 + 2C_3C_4L_3R_3g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_3L_3g_m + C_4L_4g_m\right) + s\left(C_1 + C_3R_3g_m + 2C_4R_3g_m\right)}
10.252 INVALID-ORDER-252 Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_3L_3L_4R_3g_ms^3 + L_4R_3g_ms
                                                                                        H(s) = \frac{C_3 L_3 L_4 L_3 g_m s}{2 C_1 C_3 C_4 L_3 L_4 R_3 s^5 + 2 R_3 g_m + s^4 \left( C_1 C_3 L_3 L_4 + 2 C_3 C_4 L_3 L_4 R_3 g_m \right) + s^3 \left( 2 C_1 C_3 L_3 R_3 + C_1 C_3 L_4 R_3 + C_3 L_4 R_3 + C_3 L_4 R_3 g_m \right) + s^2 \left( C_1 L_4 + 2 C_3 L_3 R_3 g_m + C_3 L_4 R_3 g_m \right) + s \left( 2 C_1 R_3 + L_4 g_m \right)}
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10.256 INVALID-ORDER-256 $Z(s) = \left(\frac{1}{C_1 s}, \infty, \frac{R_3\left(C_3 L_3 s^2+1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4\left(C_4 L_4 s^2+1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_3C_4L_3L_4R_3R_4g_ms^4 + R_3R_4g_m + s^2\left(C_3L_3R_3R_4g_m + C_4L_4R_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^5\left(2C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3R_3R_4 + C_1C_3C_4L_3R_3R_4$

10.257 INVALID-ORDER-257 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, R_4, \infty, \infty\right)$

$$H(s) = \frac{R_1 R_3 R_4 g_m}{2R_1 R_3 q_m + R_1 R_4 q_m + 2R_3 + R_4 + s (2C_1 R_1 R_3 + C_1 R_1 R_4)}$$

10.258 INVALID-ORDER-258 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4 L_4 R_1 R_3 g_m s^2 + R_1 R_3 g_m}{C_1 C_4 L_4 R_1 s^3 + R_1 g_m + s^2 \left(2 C_1 C_4 R_1 R_3 + C_4 L_4 R_1 g_m + C_4 L_4\right) + s \left(C_1 R_1 + 2 C_4 R_1 R_3 g_m + 2 C_4 R_3\right) + 1} + \frac{C_1 C_4 L_4 R_1 s^3 + R_1 g_m + s^2 \left(2 C_1 C_4 R_1 R_3 + C_4 L_4 R_1 g_m + C_4 L_4\right) + s \left(C_1 R_1 + 2 C_4 R_1 R_3 g_m + 2 C_4 R_3\right) + 1}{c_1 C_4 L_4 R_1 s^3 + R_1 g_m + s^2 \left(2 C_1 C_4 R_1 R_3 + C_4 L_4 R_1 g_m + C_4 L_4\right) + s \left(C_1 R_1 + 2 C_4 R_1 R_3 g_m + 2 C_4 R_3\right) + 1}$$

10.259 INVALID-ORDER-259 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{L_4 R_1 R_3 g_m s}{2C_1 C_4 L_4 R_1 R_3 s^3 + 2R_1 R_3 g_m + 2R_3 + s^2 \left(C_1 L_4 R_1 + 2C_4 L_4 R_1 R_3 g_m + 2C_4 L_4 R_3\right) + s \left(2C_1 R_1 R_3 + L_4 R_1 g_m + L_4\right)}$$

10.260 INVALID-ORDER-260 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_4L_4R_1R_3g_ms^2 + C_4R_1R_3R_4g_ms + R_1R_3g_m}{C_1C_4L_4R_1s^3 + R_1g_m + s^2\left(2C_1C_4R_1R_3 + C_1C_4R_1R_4 + C_4L_4R_1g_m + C_4L_4\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_3 + C_4R_4\right) + 1}$$

10.261 INVALID-ORDER-261 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{L_4 R_1 R_3 R_4 g_m s}{2 C_1 C_4 L_4 R_1 R_3 R_4 s^3 + 2 R_1 R_3 R_4 g_m + 2 R_3 R_4 + s^2 \left(2 C_1 L_4 R_1 R_3 + C_1 L_4 R_1 R_4 + 2 C_4 L_4 R_1 R_3 R_4 g_m + 2 C_4 L_4 R_3 R_4\right) + s \left(2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 g_m + L_4 R_1 R_4 g_m + 2 L_4 R_3 + L_4 R_4\right)}{2 C_1 C_2 L_4 R_1 R_3 R_4 g_m + 2 C_4 L_4 R_1 R_3 R_4 g_m + 2 C_4 L_4 R_3 R_4\right) + s \left(2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 g_m + L_4 R_1 R_4 g_m + 2 L_4 R_3 R_4\right)}$$

10.262 INVALID-ORDER-262 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + L_4R_1R_3g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_4L_4R_1R_3 + C_1C_4L_4R_1R_4\right) + s^2\left(C_1L_4R_1 + 2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + L_4R_1g_m + L_4\right)}$ **10.263** INVALID-ORDER-263 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_4L_4R_1R_3 + C_1C_4L_4R_1R_4\right) + s^2\left(2C_1C_4R_1R_3R_4 + 2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + 2C_4R_1R_3R_4g_m + 2C_4R_3R_4\right)}$ **10.264** INVALID-ORDER-264 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{R_1 g_m}{s^2 (C_1 C_3 R_1 + 2C_1 C_4 R_1) + s (C_3 R_1 q_m + C_3 + 2C_4 R_1 q_m + 2C_4)}$ **10.265** INVALID-ORDER-265 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4 R_1 R_4 g_m s + R_1 g_m}{C_1 C_3 C_4 R_1 R_4 s^3 + s^2 \left(C_1 C_3 R_1 + 2 C_1 C_4 R_1 + C_3 C_4 R_1 R_4 g_m + C_3 C_4 R_4\right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4\right)}$ **10.266** INVALID-ORDER-266 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4 L_4 R_1 g_m s^2 + R_1 g_m}{C_1 C_3 C_4 L_4 R_1 s^4 + s^3 \left(C_3 C_4 L_4 R_1 g_m + C_3 C_4 L_4 \right) + s^2 \left(C_1 C_3 R_1 + 2 C_1 C_4 R_1 \right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4 \right)}$ **10.267** INVALID-ORDER-267 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{L_4 R_1 g_m s}{2C_1 R_1 s + 2R_1 g_m + s^3 \left(C_1 C_3 L_4 R_1 + 2C_1 C_4 L_4 R_1\right) + s^2 \left(C_3 L_4 R_1 g_m + C_3 L_4 + 2C_4 L_4 R_1 g_m + 2C_4 L_4\right) + 2C_4 L_4 R_1 g_m}$ **10.268** INVALID-ORDER-268 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4 L_4 R_1 g_m s^2 + C_4 R_1 R_4 g_m s + R_1 g_m}{C_1 C_3 C_4 L_4 R_1 s^4 + s^3 \left(C_1 C_3 C_4 R_1 R_4 + C_3 C_4 L_4 R_1 g_m + C_3 C_4 L_4\right) + s^2 \left(C_1 C_3 R_1 + 2 C_1 C_4 R_1 + C_3 C_4 R_1 R_4 g_m + C_3 C_4 R_4\right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4 R_1 g_m + C_4 R_1 g_m$ 10.269 INVALID-ORDER-269 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $H(s) = \frac{L_4 R_1 R_4 g_m s}{2 R_1 R_4 g_m + 2 R_4 + s^3 \left(C_1 C_3 L_4 R_1 R_4 + 2 C_1 C_4 L_4 R_1 R_4 \right) + s^2 \left(2 C_1 L_4 R_1 + C_3 L_4 R_1 R_4 g_m + C_3 L_4 R_4 + 2 C_4 L_4 R_1 R_4 g_m + 2 C_4 L_4 R_4 \right) + s \left(2 C_1 R_1 R_4 + 2 L_4 R_1 g_m + 2 L_4 \right) + s \left(2 C_1 R_1 R_4 + 2 L_4 R_1 R_4 g_m + 2 L_4$ 10.270 INVALID-ORDER-270 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_4L_4R_1R_4g_ms^2 + L_4R_1g_ms + R_1R_4g_m}{C_1C_3C_4L_4R_1R_4s^4 + 2R_1g_m + s^3\left(C_1C_3L_4R_1 + 2C_1C_4L_4R_1 + C_3C_4L_4R_1R_4g_m + C_3C_4L_4R_4\right) + s^2\left(C_1C_3R_1R_4 + C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_1R_1 + C_3R_1R_4g_m + C_3R_4\right) + 2c_1R_4R_4g_m + c_2R_4R_4g_m + c_3R_4R_4g_m +$ 10.271 INVALID-ORDER-271 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$ $\frac{C_4L_4R_1R_4g_ms^2+R_1R_4g_m}{C_1C_3C_4L_4R_1R_4s^4+2R_1g_m+s^3\left(2C_1C_4L_4R_1+C_3C_4L_4R_1R_4g_m+C_3C_4L_4R_4\right)+s^2\left(C_1C_3R_1R_4+2C_4L_4R_1g_m+2C_4L_4\right)+s\left(2C_1R_1+C_3R_1R_4g_m+C_3R_4+2C_4R_1R_4g_m+2C_4R_4\right)+2C_4R_4R_4g_m+C_4R_4g_$

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10.273 INVALID-ORDER-273 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                     H(s) = \frac{C_4L_4R_1R_3g_ms^2 + R_1R_3g_m}{C_1C_3C_4L_4R_1R_3s^4 + R_1g_m + s^3\left(C_1C_4L_4R_1 + C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_1C_4R_1R_3 + C_4L_4R_1g_m + C_4L_4\right) + s\left(C_1R_1 + C_3R_1R_3g_m + C_3R_3 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}
10.274 INVALID-ORDER-274 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                           H(s) = \frac{L_4 R_1 R_3 g_m s}{2 R_1 R_3 g_m + 2 R_3 + s^3 \left( C_1 C_3 L_4 R_1 R_3 + 2 C_1 C_4 L_4 R_1 R_3 \right) + s^2 \left( C_1 L_4 R_1 + C_3 L_4 R_1 R_3 g_m + C_3 L_4 R_3 + 2 C_4 L_4 R_1 R_3 g_m + 2 C_4 L_4 R_3 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m + L_4 \right) + s \left( 2 C_1 R_1 R_3 + L_4 R_1 g_m +
10.275 INVALID-ORDER-275 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_4L_4R_1R_3g_ms^2 + C_4R_1R_3R_4g_ms + R_1R_3g_m}{C_1C_3C_4L_4R_1R_3s^4 + R_1g_m + s^3\left(C_1C_3C_4R_1R_3R_4 + C_1C_4L_4R_1 + C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_4C_4R_1R_3R_4 + C_4C_4R_
10.276 INVALID-ORDER-276 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                              H(s) = \frac{L_4 R_1 R_3 R_4 g_m s}{2 R_1 R_3 R_4 g_m + 2 R_3 R_4 + s^3 \left( C_1 C_3 L_4 R_1 R_3 R_4 + 2 C_1 C_4 L_4 R_1 R_3 R_4 \right) + s^2 \left( 2 C_1 L_4 R_1 R_3 + C_1 L_4 R_1 R_4 + C_3 L_4 R_1 R_3 R_4 + 2 C_4 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2 L_4 R_1 R_3 R_4 \right) + s \left( 2 C_1 R_1 R_3 R_4 + 2
10.277 INVALID-ORDER-277 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_4L_4R_1R_3R_4g_ms^2 + L_4R_1R_3g_ms + R_1R_3R_4g_m
H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + L_4R_1R_3g_ms + R_1R_3R_4g_m}{C_1C_3C_4L_4R_1R_3R_4s^4 + 2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(C_1C_3L_4R_1R_3 + C_1C_4L_4R_1R_3 + C_3C_4L_4R_1R_3R_4g_m + C_3C_4L_4R_1R_3R_4 + C_3C_4L_4R_1R_3R_4g_m + C_3C_4L_4R_1R_3g_m + C_3L_4R_1R_3g_m + C_3L_4R_1R_3g_m + C_4L_4R_1R_3g_m + C_4
10.278 INVALID-ORDER-278 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_4L_4R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{C_1C_3C_4L_4R_1R_3R_4s^4 + 2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_4L_4R_1R_3 + C_1C_4L_4R_1R_3R_4g_m + C_3C_4L_4R_1R_3R_4 + 2C_1C_4R_1R_3R_4 + 2C_4L_4R_1R_3g_m + C_4L_4R_1R_4g_m + 2C_4L_4R_3 + C_4L_4R_3 + C_4L_4
10.279 INVALID-ORDER-279 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                         H(s) = \frac{C_3 R_1 R_3 g_m s + R_1 g_m}{2C_1 C_3 C_4 R_1 R_3 s^3 + s^2 \left(C_1 C_3 R_1 + 2C_1 C_4 R_1 + 2C_3 C_4 R_1 R_3 g_m + 2C_3 C_4 R_3\right) + s \left(C_3 R_1 g_m + C_3 + 2C_4 R_1 g_m + 2C_4\right)}
10.280 INVALID-ORDER-280 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                        H(s) = \frac{C_3R_1R_3R_4g_ms + R_1R_4g_m}{2C_1C_3C_4R_1R_3R_4s^3 + 2R_1g_m + s^2\left(2C_1C_3R_1R_3 + C_1C_3R_1R_4 + 2C_1C_4R_1R_4 + 2C_3C_4R_1R_3R_4g_m + 2C_3C_4R_3R_4\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + 2C_3C_4R_3R_4g_m + 2
10.281 INVALID-ORDER-281 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                           H(s) = \frac{C_3C_4R_1R_3R_4g_ms^2 + R_1g_m + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{s^3\left(2C_1C_3C_4R_1R_3 + C_1C_3C_4R_1R_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + 2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3 + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4R_1g_m + C_4R_1g_m\right)}
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10.272 INVALID-ORDER-272 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

10.282 INVALID-ORDER-282
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_4R_1R_3g_ms^3 + C_3R_1R_3g_ms + C_4L_4R_1g_ms^2 + R_1g_m}{C_1C_3C_4L_4R_1s^4 + s^3\left(2C_1C_3C_4R_1R_3 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + 2C_3C_4R_1R_3g_m + 2C_3C_4R_3\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}$$

10.283 INVALID-ORDER-283 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_4R_1R_3g_ms^2 + L_4R_1g_ms}{2C_1C_3C_4L_4R_1R_3s^4 + 2R_1g_m + s^3\left(C_1C_3L_4R_1 + 2C_1C_4L_4R_1 + 2C_3C_4L_4R_1R_3g_m + 2C_3C_4L_4R_3\right) + s^2\left(2C_1C_3R_1R_3 + C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + 2C_3R_3\right) + 2C_3C_4L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + 2C_3R_3\right) + 2C_3C_4L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + 2C_3R_3\right) + 2C_3C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + 2C_3R_3\right) + 2C_3C_4L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L_$$

10.284 INVALID-ORDER-284 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_4R_1R_3g_ms^3 + R_1g_m + s^2\left(C_3C_4R_1R_3R_4g_m + C_4L_4R_1g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{C_1C_3C_4L_4R_1s^4 + s^3\left(2C_1C_3C_4R_1R_3 + C_1C_3C_4R_1R_4 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + 2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3 + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_1R_3g_m + C_3C_4R_1R_3g_$$

10.285 INVALID-ORDER-285 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_4R_1R_3R_4g_ms^2 + L_4R_1R_4g_ms}{2C_1C_3C_4L_4R_1R_3R_4s^4 + 2R_1R_4g_m + 2R_4 + s^3\left(2C_1C_3L_4R_1R_3 + C_1C_3L_4R_1R_4 + 2C_3C_4L_4R_1R_3R_4g_m + 2C_3C_4L_4R_1R_3R_4 + 2C_1L_4R_1 + 2C_3L_4R_1R_3g_m + C_3L_4R_1R_3g_m + 2C_3L_4R_1R_3g_m + 2C_4L_4R_1R_4g_m + 2C_4$$

10.286 INVALID-ORDER-286 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_4R_1R_3R_4g_ms^3 + R_1R_4g_m + s^2\left(C_3L_4R_1R_3g_m + C_4L_4R_1R_4g_m\right) + s\left(C_3R_1R_3R_4g_m + L_4R_1g_m\right)}{2R_1g_m + s^4\left(2C_1C_3C_4L_4R_1R_3 + C_1C_3C_4L_4R_1R_4\right) + s^3\left(C_1C_3L_4R_1 + 2C_1C_4L_4R_1 + 2C_3C_4L_4R_1R_4g_m + 2C_3C_4L_4R_3 + C_3C_4L_4R_3 + C_3C_4L_4R_3 + C_3C_4L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + C_4L_4R_1g_m + 2C_4L_4R_1g_m + C_3L_4R_1g_m + C_4L_4R_1g_m + C_4L_$$

10.287 INVALID-ORDER-287 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

$$C_3C_4L_4R_1R_3R_4g_ms^3 + C_3R_1R_3R_4g_ms + C_4L_4R_1R_4g_ms^2 + R_1R_4g_m$$

$$H(s) = \frac{C_3C_4L_4R_1R_3R_4g_ms^3 + C_3R_1R_3R_4g_ms + C_4L_4R_1R_4g_ms^2 + R_1R_4g_m}{2R_1g_m + s^4\left(2C_1C_3C_4L_4R_1R_3 + C_1C_3C_4L_4R_1R_3 + C_1C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_3 + C_4C_3C_4L_4R_1R_3 + C_4C_4C_4R_1R_3 + C_4C_4C_4C_4R_1R_3 + C_4C_4$$

10.288 INVALID-ORDER-288 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_3L_3R_1R_4g_ms^2 + R_1R_4g_m}{2C_1C_3L_3R_1s^3 + 2R_1g_m + s^2\left(C_1C_3R_1R_4 + 2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(2C_1R_1 + C_3R_1R_4g_m + C_3R_4\right) + 2C_3R_3R_1g_m + 2C_3R_1g_m + 2C_3R_1g_m + 2C_3R_1g_m + 2C_3R_1g_m + 2C_3R_1g_m + 2C_3R_1g_m + 2$$

10.289 INVALID-ORDER-289 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_3 L_3 R_1 g_m s^2 + R_1 g_m}{2C_1 C_3 C_4 L_3 R_1 s^4 + s^3 \left(2C_3 C_4 L_3 R_1 g_m + 2C_3 C_4 L_3\right) + s^2 \left(C_1 C_3 R_1 + 2C_1 C_4 R_1\right) + s \left(C_3 R_1 g_m + C_3 + 2C_4 R_1 g_m + 2C_4\right)}$$

10.290 INVALID-ORDER-290 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_3R_1R_4g_ms^2 + R_1R_4g_m}{2C_1C_3C_4L_3R_1R_4s^4 + 2R_1g_m + s^3\left(2C_1C_3L_3R_1 + 2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_4\right) + s^2\left(C_1C_3R_1R_4 + 2C_1C_4R_1R_4 + 2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(2C_1R_1 + C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + 2c_3C_4R_4s^2 + 2c$$

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10.291 INVALID-ORDER-291 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                            H(s) = \frac{C_3C_4L_3R_1R_4g_ms^3 + C_3L_3R_1g_ms^2 + C_4R_1R_4g_ms + R_1g_m}{2C_1C_3C_4L_3R_1s^4 + s^3\left(C_1C_3C_4R_1R_4 + 2C_3C_4L_3R_1g_m + 2C_3C_4L_3\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + C_3C_4R_1R_4g_m + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4R_4\right)}
10.292 INVALID-ORDER-292 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                        H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + R_1g_m + s^2\left(C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1 + C_1C_3C_4L_4R_1\right) + s^3\left(2C_3C_4L_3R_1g_m + 2C_3C_4L_3 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4R_1g_m\right)}
10.293 INVALID-ORDER-293 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                          H(s) = \frac{C_3L_3L_4R_1g_ms^3 + L_4R_1g_ms}{2C_1C_3C_4L_3L_4R_1s^5 + 2C_1R_1s + 2R_1g_m + s^4\left(2C_3C_4L_3L_4R_1g_m + 2C_3C_4L_3L_4\right) + s^3\left(2C_1C_3L_3R_1 + C_1C_3L_4R_1 + 2C_1C_4L_4R_1\right) + s^2\left(2C_3L_3R_1g_m + 2C_3L_3 + C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + s^2\left(2C_3L_3R_1g_m + 2C_3L_3R_1g_m + 2C_3L_3R_1g_m + 2C_3L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L_4R_
10.294 INVALID-ORDER-294 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_{3s}}, L_4 s + R_4 + \frac{1}{C_{4s}}, \infty, \infty\right)
                                                                                                    H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + C_3C_4L_3R_1R_4g_ms^3 + C_4R_1R_4g_ms + R_1g_m + s^2\left(C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1 + C_1C_3C_4L_4R_1\right) + s^3\left(C_1C_3C_4R_1R_4 + 2C_3C_4L_3R_1g_m + 2C_3C_4L_3 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + C_3C_4R_1R_4g_m + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3C_4R_1R_4g_m + C_3C_4R_1g_m + C_3C_4R_1R_4g_m + C_3C_4R_1R_
10.295 INVALID-ORDER-295 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
H(s) = \frac{C_3L_3L_4R_1R_4g_ms^3 + L_4R_1R_4g_ms}{2C_1C_3C_4L_3L_4R_1R_4s^5 + 2R_1R_4g_m + 2R_4 + s^4\left(2C_1C_3L_3L_4R_1 + 2C_3C_4L_3L_4R_1R_4 + C_1C_3L_4R_1R_4 + 2C_3L_3L_4R_1g_m + 2C_3L_3L_4R_1g_m + 2C_3L_3L_4R_1g_m + 2C_3L_3L_4R_1g_m + 2C_3L_3R_1R_4g_m + 2C_
10.296 INVALID-ORDER-296 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                     \frac{C_{3}C_{4}L_{3}L_{4}R_{1}R_{4}g_{m}s^{4}+C_{3}L_{3}L_{4}R_{1}g_{m}s^{3}+L_{4}R_{1}g_{m}s+R_{1}R_{4}g_{m}+s^{2}\left(C_{3}L_{3}R_{1}R_{4}g_{m}+C_{4}L_{4}R_{1}R_{4}g_{m}\right)}{2C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}s^{5}+2R_{1}g_{m}+s^{4}\left(C_{1}C_{3}C_{4}L_{4}R_{1}R_{4}+2C_{3}C_{4}L_{3}L_{4}R_{1}g_{m}+2C_{3}C_{4}L_{3}L_{4}\right)+s^{3}\left(2C_{1}C_{3}L_{3}R_{1}+C_{1}C_{3}L_{4}R_{1}+2C_{1}C_{4}L_{4}R_{1}+C_{3}C_{4}L_{4}R_{1}+C_{3}C_{4}L_{4}R_{1}+C_{3}C_{4}L_{4}R_{1}+C_{4}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{4}L_{4}R_{1}+C_{5}C_{5}L_{5}R_{1}+C_{5}C_{5}L_{5}R_{1}+C_{5}C_{5}L_{5}R_{1}+C_{5}C_{5}L_{5}R_{1}+C_{5}C_{5}L_{5}R_{1}+C_{5}C_{5}L_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C_{5}C_{5}R_{1}+C
10.297 INVALID-ORDER-297 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_1R_4g_ms^4 + R_1R_4g_m + s^2\left(C_3L_3R_1R_4g_m + C_4L_4R_1R_4g_m\right)}{2C_1C_3C_4L_3L_4R_1s^5 + 2R_1g_m + s^4\left(2C_1C_3C_4L_3R_1R_4 + C_1C_3C_4L_3R_1R_4 + 2C_3C_4L_3L_4\right) + s^3\left(2C_1C_3L_3R_1 + 2C_1C_4L_4R_1 + 2C_3C_4L_3R_4 + C_3C_4L_4R_1R_4g_m + C_3C_4L_4R_1\right) + s^2\left(C_1C_3R_1R_4 + 2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_1R_4g_m + C_3C_4L_4R_1R_4g_m + C_3C_4L_4R_1R_4g_
10.298 INVALID-ORDER-298 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                  H(s) = \frac{L_3 R_1 R_4 g_m s}{C_1 C_3 L_3 R_1 R_4 s^3 + R_1 R_4 g_m + R_4 + s^2 \left(2 C_1 L_3 R_1 + C_3 L_3 R_1 R_4 g_m + C_3 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 L_3 R_1 g_m + 2 L_3\right)}
10.299 INVALID-ORDER-299 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                   H(s) = \frac{L_3 R_1 g_m s}{C_1 R_1 s + R_1 g_m + s^3 \left( C_1 C_3 L_3 R_1 + 2 C_1 C_4 L_3 R_1 \right) + s^2 \left( C_3 L_3 R_1 g_m + C_3 L_3 + 2 C_4 L_3 R_1 g_m + 2 C_4 L_3 \right) + 1}
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 $H(s) = \frac{L_3 R_1 R_4 g_m s}{R_1 R_4 g_m + R_4 + s^3 \left(C_1 C_3 L_3 R_1 R_4 + 2 C_1 C_4 L_3 R_1 R_4\right) + s^2 \left(2 C_1 L_3 R_1 + C_3 L_3 R_1 R_4 g_m + C_3 L_3 R_4 + 2 C_4 L_3 R_1 R_4 g_m + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 L_3 R_1 g_m + 2 L_3\right)}{R_1 R_4 g_m + R_4 + s^3 \left(C_1 C_3 L_3 R_1 R_4 + 2 C_1 C_4 L_3 R_1 R_4\right) + s \left(C_1 R_1 R_4 + 2 L_3 R_1 R_4 + 2 C_4 L_3 R_1 R_4\right) + s \left(C_1 R_1 R_4 + 2 L_3 R_1 R_4 + 2 C_4 L_3 R_1 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_1 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_4 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_4 R_4 + 2 C_4 L_3 R_4\right) + s \left(C_1 R_4 R$

10.300 INVALID-ORDER-300 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

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10.301 INVALID-ORDER-301 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                            H(s) = \frac{C_4L_3R_1R_4g_ms^2 + L_3R_1g_ms}{C_1C_3C_4L_3R_1R_4s^4 + R_1g_m + s^3\left(C_1C_3L_3R_1 + 2C_1C_4L_3R_1 + C_3C_4L_3R_1R_4g_m + C_3C_4L_3R_4\right) + s^2\left(C_1C_4R_1R_4 + C_3L_3R_1g_m + C_3L_3 + 2C_4L_3R_1g_m + 2C_4L_3\right) + s\left(C_1R_1 + C_4R_1R_4g_m + C_4R_4\right) + 1}
10.302 INVALID-ORDER-302 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_2 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                          H(s) = \frac{C_4 L_3 L_4 R_1 g_m s^3 + L_3 R_1 g_m s}{C_1 C_3 C_4 L_3 L_4 R_1 s^5 + C_1 R_1 s + R_1 g_m + s^4 \left( C_3 C_4 L_3 L_4 R_1 g_m + C_3 C_4 L_3 L_4 \right) + s^3 \left( C_1 C_3 L_3 R_1 + 2 C_1 C_4 L_3 R_1 + C_1 C_4 L_4 R_1 \right) + s^2 \left( C_3 L_3 R_1 g_m + C_3 L_3 + 2 C_4 L_3 R_1 g_m + 2 C_4 L_3 + C_4 L_4 R_1 g_m + C_4 L_4 \right) + 1 \left( C_3 C_4 L_3 L_4 R_1 g_m + C_4 L_4 R_1 g_m + C
10.303 INVALID-ORDER-303 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                       H(s) = \frac{L_3L_4R_1g_ms}{2L_3R_1g_m + 2L_3 + L_4R_1g_m + L_4 + s^3\left(C_1C_3L_3L_4R_1 + 2C_1C_4L_3L_4R_1\right) + s^2\left(C_3L_3L_4R_1g_m + C_3L_3L_4 + 2C_4L_3L_4R_1g_m + 2C_4L_3L_4\right) + s\left(2C_1L_3R_1 + C_1L_4R_1\right)}{s^2\left(C_3L_3R_1g_m + 2L_3 + L_4R_1g_m + L_4 + s^3\left(C_1C_3L_3L_4R_1 + 2C_1C_4L_3L_4R_1\right) + s^2\left(C_3L_3L_4R_1g_m + C_3L_3L_4R_1g_m + 2C_4L_3L_4\right) + s\left(2C_1L_3R_1 + C_1L_4R_1\right)}
10.304 INVALID-ORDER-304 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_4 L_3 L_4 R_1 g_m s^3 + C_4 L_3 R_1 g_m s^2 + L_3 R_1 g_m s}{C_1 C_3 C_4 L_3 L_4 R_1 s^5 + R_1 g_m + s^4 \left(C_1 C_3 C_4 L_3 R_1 R_4 + C_3 C_4 L_3 L_4 R_1 g_m + C_3 C_4 L_3 R_1 + C_1 C_4 L_4 R_1 + C_3 C_4 L_3 R_1 R_4 g_m + C_3 C_4 L_3 R_1 g_m + C_3 L_4 R_1 g_m + C_4 L_4 
10.305 INVALID-ORDER-305 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                    H(s) = \frac{L_3L_4R_1R_4g_ms}{2L_3R_1R_4g_m + 2L_3R_4 + L_4R_1R_4g_m + L_4R_4 + s^3\left(C_1C_3L_3L_4R_1R_4 + 2C_1C_4L_3L_4R_1R_4\right) + s^2\left(2C_1L_3L_4R_1 + C_3L_3L_4R_1 + 2C_4L_3L_4R_1R_4g_m + 2C_4L_3L_4R_4\right) + s\left(2C_1L_3R_1R_4 + C_1L_4R_1R_4 + 2C_4L_3L_4R_1R_4\right) + s\left(2C_1L_3R_1R_4 + 2C_4L_3L_4R_1R_4\right) + s\left(2C_1L_3R_4R_1R_4 + 2C_4L_3L_4R_4\right) + s\left(2C_1L_3R_4R_4 + 2C_4L_4R_4\right) + s\left(2C_1L_3R_4R_4 + 
10.306 INVALID-ORDER-306 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_4 L_3 L_4 R_1 R_4 g_m s^3 + L_3 L_4 R_1 g_m s^2 + L_3 R_1 R_4 g_m s}{C_1 C_3 C_4 L_3 L_4 R_1 R_4 s^5 + R_1 R_4 g_m + R_4 + s^4 \left(C_1 C_3 L_3 L_4 R_1 + C_3 C_4 L_3 L_4 R_1 R_4 g_m + C_3 L_4 L_4 R_1 R_4 + C_3 L_3 L_4 R_1 g_m + C_3 L_4 
10.307 INVALID-ORDER-307 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_4L_3L_4R_1R_4g_ms^3 + L_3R_1R_4g_ms
H(s) = \frac{C_4 L_3 L_4 R_1 R_4 g_m s^3 + L_3 R_1 R_4 g_m s}{C_1 C_3 C_4 L_3 L_4 R_1 R_4 s^5 + R_1 R_4 g_m + R_4 + s^4 \left(2 C_1 C_4 L_3 L_4 R_1 + C_3 C_4 L_3 L_4 R_1 R_4 + 2 C_1 C_4 L_3 R_1 R_4 + 2 C_4 L_3 L_4 R_1 R_4 + 2 C_4 L_3 L_4 R_1 R_4 + 2 C_4 L_3 L_4 R_1 R_4 + 2 C_4 L_3 R_1 R_4 + 
10.308 INVALID-ORDER-308 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                        H(s) = \frac{C_3L_3R_1R_4g_ms^2 + C_3R_1R_3R_4g_ms + R_1R_4g_m}{2C_1C_3L_3R_1s^3 + 2R_1g_m + s^2\left(2C_1C_3R_1R_3 + C_1C_3R_1R_4 + 2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4\right) + 2C_3R_3R_3R_4g_ms + 2C_3R_3R_3g_m 
10.309 INVALID-ORDER-309 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                       H(s) = \frac{C_3L_3R_1g_ms^2 + C_3R_1R_3g_ms + R_1g_m}{2C_1C_3C_4L_3R_1s^4 + s^3\left(2C_1C_3C_4R_1R_3 + 2C_3C_4L_3R_1g_m + 2C_3C_4L_3\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + 2C_3C_4R_1R_3g_m + 2C_3C_4R_3\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4R_3\right)}
10.310 INVALID-ORDER-310 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
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 $\frac{C_{3}L_{3}R_{1}R_{4}g_{m}s^{2}+C_{3}R_{1}R_{3}g_{m}s+R_{1}R_{4}g_{m}}{2C_{1}C_{3}C_{4}L_{3}R_{1}R_{4}s^{4}+2R_{1}g_{m}+s^{3}\left(2C_{1}C_{3}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{3}L_{3}R_{1}+2C_{3}C_{4}L_{3}R_{1}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{1}R_{4}+2C_{1}C_{4}R_{1}R_{4}+2C_{3}C_{4}R_{1}R_{3}R_{4}+2C_{3}C_{4}R_{3}$

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10.311 INVALID-ORDER-311 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                   H(s) = \frac{C_3C_4L_3R_1R_4g_ms^3 + R_1g_m + s^2\left(C_3C_4R_1R_3R_4g_m + C_3L_3R_1g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{2C_1C_3C_4L_3R_1s^4 + s^3\left(2C_1C_3C_4R_1R_3 + C_1C_3C_4R_1R_4 + 2C_3C_4L_3R_1g_m + 2C_3C_4L_3\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + 2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3 + C_3C_4R_3\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}
10.312 INVALID-ORDER-312 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + C_3C_4L_4R_1R_3g_ms^3 + C_3R_1R_3g_ms + R_1g_m + s^2\left(C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1 + C_1C_3C_4L_4R_1\right) + s^3\left(2C_1C_3C_4R_1R_3 + 2C_3C_4L_3R_1g_m + 2C_3C_4L_3R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + 2C_3C_4R_1R_3g_m + 2C_3C_4R_3\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}
10.313 INVALID-ORDER-313 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_3L_4R_1g_ms^3 + C_3L_4R_1g_ms^2 + L_4R_1g_ms}{2C_1C_3C_4L_3L_4R_1s^5 + 2R_1g_m + s^4\left(2C_1C_3C_4L_4R_1R_3 + 2C_3C_4L_3L_4\right) + s^3\left(2C_1C_3L_3R_1 + C_1C_3L_4R_1 + 2C_3C_4L_4R_1\right) + s^2\left(2C_1C_3R_1R_3 + 2C_3L_3R_1g_m + 2C_3L_3R_1g_m + 2C_3L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L
10.314 INVALID-ORDER-314 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                          \frac{C_{3}C_{4}L_{3}L_{4}R_{1}g_{m}s^{4}+R_{1}g_{m}+s^{3}\left(C_{3}C_{4}L_{3}R_{1}R_{4}g_{m}+C_{3}C_{4}L_{4}R_{1}R_{3}g_{m}\right)+s^{2}\left(C_{3}C_{4}R_{1}R_{3}R_{4}g_{m}+C_{4}L_{4}R_{1}g_{m}\right)+s\left(C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}R_{4}g_{m}\right)}{s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{1}+C_{1}C_{3}C_{4}L_{3}R_{1}g_{m}+2C_{3}C_{4}L_{3}R_{1}g_{m}+C_{3}C_{4}L_{3}R_{1}g_{m}+C_{4}L_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{1}g_{m}+C_{4}R_{
10.315 INVALID-ORDER-315 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.316 INVALID-ORDER-316 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
                          10.317 INVALID-ORDER-317 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_3C_4L_3L_4R_1R_4g_ms^4 + C_3C_4L_4R_1R_3R_4g_ms^3 + C_3R_1R_3R_4g_ms^4
H(s) = \frac{C_3C_4L_3L_4R_1s^5 + 2R_1g_m + s^4\left(2C_1C_3C_4L_3R_1R_4 + 2C_1C_3C_4L_4R_1R_3 + C_1C_3C_4L_4R_1R_4 + 2C_3C_4L_3L_4\right) + s^3\left(2C_1C_3C_4R_1R_3R_4 + 2C_1C_4L_4R_1 + 2C_3C_4L_3R_4 + 2
10.318 INVALID-ORDER-318 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
                                                                                                                                H(s) = \frac{L_3 R_1 R_3 R_4 g_m s}{C_1 C_3 L_3 R_1 R_3 R_4 s^3 + R_1 R_3 R_4 g_m + R_3 R_4 + s^2 \left(2 C_1 L_3 R_1 R_3 + C_1 L_3 R_1 R_4 + C_3 L_3 R_1 R_3 R_4 g_m + C_3 L_3 R_3 R_4\right) + s \left(C_1 R_1 R_3 R_4 + 2 L_3 R_1 R_3 g_m + L_3 R_1 R_4 g_m + 2 L_3 R_3 + L_3 R_4\right)}
10.319 INVALID-ORDER-319 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                        H(s) = \frac{L_3 R_1 R_3 g_m s}{R_1 R_3 g_m + R_3 + s^3 \left(C_1 C_3 L_3 R_1 R_3 + 2 C_1 C_4 L_3 R_1 R_3\right) + s^2 \left(C_1 L_3 R_1 + C_3 L_3 R_1 R_3 g_m + C_3 L_3 R_3 + 2 C_4 L_3 R_1 R_3 g_m + 2 C_4 L_3 R_3\right) + s \left(C_1 R_1 R_3 + L_3 R_1 g_m + L_3\right)}
10.320 INVALID-ORDER-320 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                             \frac{L_{3}R_{1}R_{3}R_{4}g_{m}s}{R_{1}R_{3}R_{4}g_{m}+R_{3}R_{4}+s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}R_{4}+2C_{1}C_{4}L_{3}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}L_{3}R_{1}R_{3}+C_{1}L_{3}R_{1}R_{4}+C_{3}L_{3}R_{1}R_{3}R_{4}+2C_{4}L_{3}R_{1}R_{3}R_{4}+2C_{4}L_{3}R_{3}R_{4}\right)+s\left(C_{1}R_{1}R_{3}R_{4}+2L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{3}g_{m}+L_{3}R_{1}R_{1}g_{m}+L_{3}R_{1}R_{1}g_{m}+L_{3}R_{1}g_{m}+L_{3}R_{1}g_{m}+L_{3}R_{1}g_{m}+L_{3}R_{1
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10.321 INVALID-ORDER-321 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_4L_3R_1R_3R_4g_ms^2 + L_3R_1R_3g_ms}{C_1C_3C_4L_3R_1R_3R_4s^4 + R_1R_3g_m + R_3 + s^3\left(C_1C_3L_3R_1R_3 + C_1C_4L_3R_1R_3 + C_1C_4L_3R_1R_3R_4g_m + C_3C_4L_3R_3R_4\right) + s^2\left(C_1C_4R_1R_3R_4 + C_1L_3R_1 + C_3L_3R_1R_3g_m + C_4L_3R_1R_3g_m + C_4L_3R_1R_3g
10.322 INVALID-ORDER-322 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
                               \frac{C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}s^{3}+L_{3}R_{1}R_{3}g_{m}s}{C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}s^{5}+R_{1}R_{3}g_{m}+R_{3}+s^{4}\left(C_{1}C_{4}L_{3}L_{4}R_{1}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}+C_{1}C_{4}L_{3}R_{1}R_{3}+C_{1}C_{4}L_{3}R_{1}R_{3}+C_{1}C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}+C_{4}L_{3}R_{1}R_{3}
10.323 INVALID-ORDER-323 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                              H(s) = \frac{L_3L_4R_1R_3g_ms}{2L_3R_1R_3g_m + 2L_3R_3 + L_4R_1R_3g_m + L_4R_3 + s^3\left(C_1C_3L_3L_4R_1R_3 + 2C_1C_4L_3L_4R_1R_3\right) + s^2\left(C_1L_3L_4R_1 + C_3L_3L_4R_1R_3g_m + C_3L_3L_4R_1R_3g_m + 2C_4L_3L_4R_3\right) + s\left(2C_1L_3R_1R_3 + C_1L_4R_1R_3 + L_3L_4R_1g_m + L_3L_4\right)}
10.324 INVALID-ORDER-324 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_4L_3L_4R_1R_3g_ms^3 + C_4L_3R_1R_3R_4g_ms^2 + L_3R_1R_3g_ms
                               10.325 INVALID-ORDER-325 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L_3L_4R_1R_3R_4g_ms
H(s) = \frac{L_3L_4R_1R_3R_4g_ms}{2L_3R_1R_3R_4g_m + 2L_3R_3R_4 + L_4R_1R_3R_4g_m + L_4R_3R_4 + s^3\left(C_1C_3L_3L_4R_1R_3R_4 + 2C_1L_3L_4R_1R_3 + C_1L_3L_4R_1R_3 + C_1L_3L_4R_1R_3 + C_1L_3L_4R_1R_3 + C_1L_3L_4R_1R_3R_4 + C_3L_3L_4R_1R_3R_4 + C_
10.326 INVALID-ORDER-326 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
10.327 INVALID-ORDER-327 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_4L_3L_4R_1R_3R_4q_ms^3 + L_3R_1R_3R_4q_ms
H(s) = \frac{C_4L_3L_4R_1R_3R_4s^5 + R_1R_3R_4g_m + R_3R_4 + s^4\left(2C_1C_4L_3L_4R_1R_3 + C_1C_4L_3L_4R_1R_3R_4g_m + C_3C_4L_3L_4R_1R_3R_4 + C_1C_4L_3R_1R_3R_4 + C_1C_4R_1R_3R_4 + C_1C_4R_1R_4 + C_1C_4R_1R
10.328 INVALID-ORDER-328 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                               H(s) = \frac{C_3L_3R_1R_3R_4g_ms^2 + L_3R_1R_4g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_3L_3R_1R_3 + C_1C_3L_3R_1R_4\right) + s^2\left(2C_1L_3R_1 + 2C_3L_3R_1R_3g_m + C_3L_3R_1R_4g_m + 2C_3L_3R_3 + C_3L_3R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + 2L_3R_1g_m + 2L_3\right)}
10.329 INVALID-ORDER-329 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                            H(s) = \frac{C_3L_3R_1R_3g_ms^2 + L_3R_1g_ms + R_1R_3g_m}{2C_1C_3C_4L_3R_1R_3s^4 + R_1g_m + s^3\left(C_1C_3L_3R_1 + 2C_1C_4L_3R_1 + 2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(2C_1C_4R_1R_3 + C_3L_3R_1g_m + C_3L_3 + 2C_4L_3R_1g_m + 2C_4L_3\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}{2C_1C_3C_4L_3R_1R_3s^4 + R_1g_m + s^3\left(C_1C_3L_3R_1 + 2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(2C_1C_4R_1R_3 + C_3L_3R_1g_m + 2C_4L_3\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}{2C_1C_3C_4L_3R_1R_3s^4 + R_1g_m + s^3\left(C_1C_3L_3R_1 + 2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(2C_1C_4R_1R_3 + C_3L_3R_1g_m + 2C_4L_3\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}{2C_1C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(2C_1C_4R_1R_3 + C_3L_3R_1g_m + 2C_4L_3\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + 2C_4R_3\right) + s\left(C_1R_1 + 2C_4R_1R_3g
10.330 INVALID-ORDER-330 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
```

 $\frac{C_3L_3R_1R_3R_4g_ms + L_3R_1R_4g_ms + L_3R_1R_4g_ms + L_3R_1R_4g_ms}{2C_1C_3C_4L_3R_1R_3R_4s^4 + 2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_3L_3R_1R_3 + C_1C_3L_3R_1R_4 + 2C_3C_4L_3R_1R_3R_4g_m + 2C_3C_4L_3R_1R_3R_4 + 2C_1L_3R_1 + 2C_3L_3R_1R_3g_m + C_3L_3R_1R_4g_m + 2C_3L_3R_1R_4g_m + 2$

 $C_3L_3R_1R_3R_4g_ms^2 + L_3R_1R_4g_ms + R_1R_3R_4g_m$

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10.331 INVALID-ORDER-331 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3R_1R_3g_m + s^2\left(C_3L_3R_1R_3g_m + C_4L_3R_1R_4g_m\right) + s\left(C_4R_1R_3R_4g_m + L_3R_1g_m\right)}{R_1g_m + s^4\left(2C_1C_3C_4L_3R_1R_3 + C_1C_3C_4L_3R_1R_4\right) + s^3\left(C_1C_3L_3R_1 + 2C_1C_4L_3R_1 + 2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_1\right) + s^2\left(2C_1C_4R_1R_3 + C_1C_4R_1R_4 + C_3L_3R_1g_m + 2C_4L_3R_1g_m + 2C_4L_3\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + C_4R_1R_3 + C_4
10.332 INVALID-ORDER-332 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_1g_ms^4 + C_4L_3L_4R_1g_ms^3 + L_3R_1g_ms + R_1R_3g_m + s^2\left(C_3L_3R_1R_3g_m + C_4L_4R_1R_3g_m\right)}{C_1C_3C_4L_3L_4R_1s^5 + R_1g_m + s^4\left(2C_1C_3C_4L_3R_1R_3 + C_3C_4L_3L_4R_1g_m + C_3C_4L_3R_1 + 2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_1R_3g_m + 2C_4L_3R_1g_m + C_4L_4R_1g_m + C_4L_4R_1g_m
10.333 INVALID-ORDER-333 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_3L_4R_1R_3g_ms^3 + L_3L_4R_1g_ms^2 + L_4R_1R_3g_ms}{2C_1C_3C_4L_3L_4R_1R_3s^5 + 2R_1R_3g_m + 2C_3C_4L_3L_4R_1 +
10.334 INVALID-ORDER-334 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_1R_3g_ms^4 + R_1R_3g_m + s^3\left(C_3C_4L_3R_1R_3R_4g_m + C_4L_3R_1R_3g_m + C_4L_3R_1R_3g_m + C_4L_3R_1R_3g_m + C_4L_4R_1R_3g_m\right) + s\left(C_4R_1R_3R_4g_m + C_4L_4R_1R_3g_m + s^4\left(2C_1C_3C_4L_3R_1R_3 + C_4C_4R_1R_3 + C_4C_4R_1R_3
10.335 INVALID-ORDER-335 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
H(s) = \frac{-3.53.44.71}{2C_1C_3C_4L_3L_4R_1R_3R_4s^5 + 2R_1R_3R_4g_m + 2R_3R_4 + s^4\left(2C_1C_3L_3L_4R_1R_3 + C_1C_3L_3L_4R_1R_4 + 2C_3C_4L_3L_4R_1R_3R_4g_m + 2C_3C_4L_3L_4R_1R_3R_4 + 2C_1C_4L_4R_1R_3R_4 + 2C_1C_4L_4R_1R_4 + 2C_
10.336 INVALID-ORDER-336 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_3C_4L_3L_4R_1R_3R_4g_ms^4 + R_1R_3R_4g_m + s^3(C_3L_3L_4R_1R_3g_m + C_4L_3L_4R_1R_4g_m)
10.337 INVALID-ORDER-337 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                         \frac{C_3C_4L_3}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4+s^5\left(2C_1C_3C_4L_3L_4R_1R_3+C_1C_3C_4L_3L_4R_1R_3+C_1C_4L_3L_4R_1+2C_3C_4L_3L_4R_1R_3g_m+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_3L_4R_3+C_3C_4L_
10.338 INVALID-ORDER-338 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                                                          H(s) = \frac{C_3L_3R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_3L_3R_1R_3 + C_1C_3L_3R_1R_4\right) + s^2\left(C_1C_3R_1R_3R_4 + 2C_3L_3R_1R_3g_m + C_3L_3R_1R_4g_m + 2C_3L_3R_3 + C_3L_3R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + C_3R_1R_3R_4g_m + C_3R_3R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + C_3R_1R_3R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + C_3R_1R_3R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + C_3R_1R_3R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4\right) + s\left(2C_1R_1R_3 + C_1R_3R_4\right) + s\left(2C_1R_1R_3R_4\right) 
10.339 INVALID-ORDER-339 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
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 $H(s) = \frac{C_3L_3R_1R_3g_ms^2 + R_1R_3g_m}{2C_1C_3C_4L_3R_1R_3s^4 + R_1g_m + s^3\left(C_1C_3L_3R_1 + 2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_1C_4R_1R_3 + C_3L_3R_1g_m + C_3L_3\right) + s\left(C_1R_1 + C_3R_1R_3g_m + C_3R_3 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}{2C_1C_3C_4L_3R_1R_3s^4 + R_1g_m + s^3\left(C_1C_3L_3R_1 + 2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_4R_1R_3g_m + C_3L_3\right) + s\left(C_1R_1 + C_3R_1R_3g_m + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}{2C_1C_3C_4L_3R_1R_3s^4 + R_1g_m + s^3\left(C_1C_3L_3R_1 + 2C_3C_4L_3R_1R_3g_m + 2C_3C_4L_3R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_3C_4R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_3C_4R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_3C_4R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_3C_4R_3\right) + s^2\left(C_1C_3R_3R_3 + 2C_3$

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10.340 INVALID-ORDER-340 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_3R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2C_1C_3C_4L_3R_1R_3R_4s^4 + 2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_3L_3R_1R_3 + C_1C_3L_3R_1R_4 + 2C_3C_4L_3R_3R_4\right) + s^2\left(C_1C_3R_1R_3R_4 + 2C_3C_4L_3R_3R_4 + 2C_3C_4L_3R_3R_4 + 2C_3C_4L_3R_3R_4 + 2C_3C_4L_3R_3R_4 + 2C_3C_4L_3R_3R_4\right) + s^2\left(2C_1C_3R_1R_3R_4 + 2C_3C_4L_3R_3R_4\right) + s^2\left(2C_1C_3R_1R_3R_4 + 2C_3C_4L_3R_3R_4 + 2C_3C_4L_3R_3R_4\right) + s^2\left(2C_1C_3R_1R_3R_4 + 2C_3C_4L_3R_3R_4\right) + s^2\left(2C_1C_3R_3R_4\right) + s^2\left(2C_1C_3R_4\right) + s^2\left(2C_1C_
10.341 INVALID-ORDER-341 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3R_1R_3R_4g_ms^3 + C_3L_3R_1R_3g_ms^2 + C_4R_1R_3R_4g_ms + R_1R_3g_m}{R_1g_m + s^4\left(2C_1C_3C_4L_3R_1R_3 + C_1C_3C_4L_3R_1R_3 + C_1C_3C_4L_3R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_3C_4R_1R_3R_4g_m + C_3C_4R_3R_4 + C_3C_4R_3R_4g_m 
10.342 INVALID-ORDER-342 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_1R_3g_ms^4 + R_1R_3g_m + s^2\left(C_3L_3R_1R_3g_m + C_4L_4R_1R_3g_m\right)}{C_1C_3C_4L_3L_4R_1s^5 + R_1g_m + s^4\left(2C_1C_3C_4L_3R_1R_3 + C_1C_3C_4L_3R_1R_3 + C_3C_4L_3R_1R_3g_m + C_3C
10.343 INVALID-ORDER-343 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_3L_3L_4R_1R_3g_ms^3 + L_4R_1R_3g_ms
                                           10.344 INVALID-ORDER-344 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_1R_3g_ms^4 + C_3C_4L_3R_1R_3R_4g_ms^3 + C_4R_1R_3R_4g_ms + R_1R_3g_ms^4 + C_3C_4L_3R_1R_3R_4g_ms^4 + C_3C_4L_3R_1R_3R_4g_ms^4 + C_4R_1R_3R_4g_ms^4 + C_4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_3C_4L_3L_4R_1R_3g_ms^4 + C_3C_4L_3R_1R_3R_4g_ms^3 + C_4R_1R_3R_4g_ms + R_1R_3g_ms^3 + C_4R_1R_3R_4g_ms^3 + C_4
10.345 INVALID-ORDER-345 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.346 INVALID-ORDER-346 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_3L_4R_1R_3}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^5\left(2C_1C_3C_4L_3L_4R_1R_3 + C_1C_3C_4L_3L_4R_1R_3R_4 + C_1C_3L_4R_1R_3g_m + C_3C_4L_3L_4R_1R_3g_m + C_3C_4L_3L_4R_1R_3 + C_3C_4L_3L_4R_1R_3 + C_3C_4L_3L_4R_1R_3 + C_3C_4L_3L_4R_1R_3 + C_3C_4L_3L_4R_1R_3g_m + C_3C_4L_3L_4R_1R_3g_m + C_3C_4L_3L_4R_1R_3 + 
10.347 INVALID-ORDER-347 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                          \frac{1}{2R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}+s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}R_{4}+C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g
10.348 INVALID-ORDER-348 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, R_4, \infty, \infty\right)
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 $H(s) = \frac{C_1 R_1 R_3 R_4 g_m s + R_3 R_4 g_m}{2R_3 g_m + R_4 g_m + s \left(2C_1 R_1 R_3 g_m + C_1 R_1 R_4 g_m + 2C_1 R_3 + C_1 R_4\right)}$

10.349 INVALID-ORDER-349
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_4R_1R_3g_ms^3 + C_1R_1R_3g_ms + C_4L_4R_3g_ms^2 + R_3g_m}{g_m + s^3\left(C_1C_4L_4R_1g_m + C_1C_4L_4\right) + s^2\left(2C_1C_4R_1R_3g_m + 2C_1C_4R_3 + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_1 + 2C_4R_3g_m\right)}$$

10.350 INVALID-ORDER-350
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_4R_1R_3g_ms^2 + L_4R_3g_ms}{2R_3g_m + s^3\left(2C_1C_4L_4R_1R_3g_m + 2C_1C_4L_4R_3\right) + s^2\left(C_1L_4R_1g_m + C_1L_4 + 2C_4L_4R_3g_m\right) + s\left(2C_1R_1R_3g_m + 2C_1R_3 + L_4g_m\right)}$$

10.351 INVALID-ORDER-351
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_4R_1R_3g_ms^3 + R_3g_m + s^2\left(C_1C_4R_1R_3R_4g_m + C_4L_4R_3g_m\right) + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{g_m + s^3\left(C_1C_4L_4R_1g_m + C_1C_4L_4\right) + s^2\left(2C_1C_4R_1R_3g_m + C_1C_4R_1R_4g_m + 2C_1C_4R_3 + C_1C_4R_4 + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_1 + 2C_4R_3g_m + C_4R_4g_m\right)}$$

10.352 INVALID-ORDER-352
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

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

10.353 INVALID-ORDER-353
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_4R_1R_3R_4g_ms^3 + R_3R_4g_m + s^2\left(C_1L_4R_1R_3g_m + C_4L_4R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + L_4R_3g_m\right)}{2R_3g_m + R_4g_m + s^3\left(2C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_3 + C_1C_4L_4R_4\right) + s^2\left(C_1L_4R_1g_m + C_1L_4 + 2C_4L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3 + C_1R_4 + L_4g_m\right)}$$

10.354 INVALID-ORDER-354
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_4R_1R_3R_4g_ms^3 + C_1R_1R_3R_4g_ms + C_4L_4R_3R_4g_ms^2 + R_3R_4g_m}{2R_3g_m + R_4g_m + s^3\left(2C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_3 + C_1C_4L_4R_3R_4g_m + 2C_1C_4R_3R_4g_m + 2C_4L_4R_3g_m + C_4L_4R_3g_m + C_4$$

10.355 INVALID-ORDER-355 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1 R_1 g_m s + g_m}{s^2 \left(C_1 C_3 R_1 g_m + C_1 C_3 + 2 C_1 C_4 R_1 g_m + 2 C_1 C_4 \right) + s \left(C_3 g_m + 2 C_4 g_m \right)}$$

10.356 INVALID-ORDER-356 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_4R_1R_4g_ms^2 + g_m + s\left(C_1R_1g_m + C_4R_4g_m\right)}{s^3\left(C_1C_3C_4R_1R_4g_m + C_1C_3C_4R_4\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.357 INVALID-ORDER-357 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_4L_4R_1g_ms^3 + C_1R_1g_ms + C_4L_4g_ms^2 + g_m}{C_3C_4L_4g_ms^3 + s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.358 INVALID-ORDER-358 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1 L_4 R_1 g_m s^2 + L_4 g_m s}{2g_m + s^3 \left(C_1 C_3 L_4 R_1 g_m + C_1 C_3 L_4 + 2C_1 C_4 L_4 R_1 g_m + 2C_1 C_4 L_4\right) + s^2 \left(C_3 L_4 g_m + 2C_4 L_4 g_m\right) + s \left(2C_1 R_1 g_m + 2C_1 C_4 L_4 R_1 g_m + 2C_1 C_4 L_4\right)}$$

10.359 INVALID-ORDER-359 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1 C_4 L_4 R_1 g_m s^3 + g_m + s^2 \left(C_1 C_4 R_1 R_4 g_m + C_4 L_4 g_m\right) + s \left(C_1 R_1 g_m + C_4 R_4 g_m\right)}{s^4 \left(C_1 C_3 C_4 L_4 R_1 g_m + C_1 C_3 C_4 L_4\right) + s^3 \left(C_1 C_3 C_4 R_1 R_4 g_m + C_1 C_3 C_4 R_4 + C_3 C_4 L_4 g_m\right) + s^2 \left(C_1 C_3 R_1 g_m + C_1 C_3 + 2C_1 C_4 R_1 g_m + 2C_1 C_4 + C_3 C_4 R_4 g_m\right) + s \left(C_3 g_m + 2C_4 g_m\right)}$ 10.360 INVALID-ORDER-360 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{C_1L_4R_1R_4g_ms^2 + L_4R_4g_ms}{2R_4g_m + s^3\left(C_1C_3L_4R_1R_4g_m + C_1C_3L_4R_4 + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_4\right) + s^2\left(2C_1L_4R_1g_m + 2C_1L_4 + C_3L_4R_4g_m + 2C_4L_4R_4g_m\right) + s\left(2C_1R_1R_4g_m + 2C_1R_4 + 2L_4g_m\right)}{2R_4g_m + s^3\left(C_1C_3L_4R_1R_4g_m + C_1C_3L_4R_4 + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_4\right) + s^2\left(2C_1L_4R_1g_m + 2C_1L_4 + C_3L_4R_4g_m + 2C_4L_4R_4g_m\right) + s\left(2C_1R_1R_4g_m + 2C_1R_4R_4g_m + 2C_4R_4g_m\right)}$

10.361 INVALID-ORDER-361 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4L_4R_1R_4g_ms^3 + R_4g_m + s^2\left(C_1L_4R_1g_m + C_4L_4R_4g_m\right) + s\left(C_1R_1R_4g_m + L_4g_m\right)}{2g_m + s^4\left(C_1C_3C_4L_4R_1R_4g_m + C_1C_3L_4R_1g_m + C_1C_3L_4 + 2C_1C_4L_4R_1g_m + 2C_1C_4L_4 + C_3C_4L_4R_4g_m\right) + s^2\left(C_1C_3R_1R_4g_m + C_1C_3R_4 + C_3L_4g_m\right) + s\left(2C_1R_1g_m + 2C_1C_4L_4R_1g_m + C_4L_4R_4g_m\right) + s\left(2C_1R_1g_m + 2C_1C_4L_4R_4g_m\right) + s\left(2C_1R_1g_m +$

10.362 INVALID-ORDER-362 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4L_4R_1R_4g_ms^3 + C_1R_1R_4g_ms + C_4L_4R_4g_ms^2 + R_4g_m}{2g_m + s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4R_4\right) + s^3\left(2C_1C_4L_4R_1g_m + 2C_1C_4L_4 + C_3C_4L_4R_4g_m\right) + s^2\left(C_1C_3R_1R_4g_m + C_1C_3R_4 + 2C_1C_4R_4 + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m + 2C_1 + C_3R_4g_m + 2C_4R_4g_m\right)}$

10.363 INVALID-ORDER-363 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4R_1R_3R_4g_ms^2 + R_3g_m + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{g_m + s^3\left(C_1C_3C_4R_1R_3R_4g_m + C_1C_3C_4R_3R_4\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_3g_m + C_1C_4R_1R_4g_m + 2C_1C_4R_3 + C_1C_4R_4 + C_3C_4R_3R_4g_m\right) + s\left(C_1R_1g_m + C_1 + C_3R_3g_m + 2C_4R_3g_m + C_4R_4g_m\right)}$

10.364 INVALID-ORDER-364 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4L_4R_1R_3g_ms^3 + C_1R_1R_3g_ms + C_4L_4R_3g_ms^2 + R_3g_m}{g_m + s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4R_3\right) + s^3\left(C_1C_4L_4R_1g_m + C_1C_4L_4 + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_3R_3 + 2C_1C_4R_1R_3g_m + 2C_1C_4R_3 + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_1 + C_3R_3g_m + 2C_4R_3g_m\right)}$

10.365 INVALID-ORDER-365 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

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

10.366 INVALID-ORDER-366 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4L_4R_1R_3g_ms^3 + R_3g_m + s^2\left(C_1C_4R_1R_3R_4g_m + C_4L_4R_3g_m\right) + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{g_m + s^4\left(C_1C_3C_4L_4R_1R_3g_m + C_1C_3C_4L_4R_3\right) + s^3\left(C_1C_3C_4R_1R_3R_4g_m + C_1C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_3g_m + C_1C_4R_3R_4g_m + C_1C_4R_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_3g_m + C_1C_4R_3R_4g_m + C_1C_4R_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_3g_m + C_1C_4R_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_4R_3g_m\right) + s^2\left(C_1C_4R_1R_3g_m + C_1C_4R_3g_m\right) + s^2\left(C_1C_4R_3R_4g_m + C_1C_4R_4R_3g_m\right) + s^2$

10.367 INVALID-ORDER-367 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{C_1L_4R_1R_3R_4g_ms^2 + L_4R_3R_4g_ms}{2R_3R_4g_m + s^3\left(C_1C_3L_4R_1R_3R_4g_m + C_1C_3L_4R_3R_4 + 2C_1C_4L_4R_1R_3R_4g_m + 2C_1L_4R_1R_3g_m + C_1L_4R_1R_4g_m + 2C_1L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + s^2\left(2C_1L_4R_1R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + s^2\left(2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_4g_m + 2C_4$

10.368 INVALID-ORDER-368 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_4R_1R_3R_4g_ms^3 + R_3R_4g_m + s^2\left(C_1L_4R_1R_3g_m + C_4L_4R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + L_4R_3g_m\right)}{2R_3g_m + R_4g_m + s^4\left(C_1C_3C_4L_4R_1R_3g_m + C_1C_3L_4R_3R_4g_m + C_1C_3L_4R_3R_4g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_3R_4g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_3R_4g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_3R_4g_m + C_1C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_3R_4g_m + C_1C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_3R_4g_m + C_1C_3R_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_3R_4g_m + C_1C_3R_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_3R_4g_m + C_1C_3R_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_4R_4g_m + C_1C_3R_4R_4R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_4R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_4R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_4R_4g_m\right) + s^2\left(C_1C_3R_4R_4R_4g_m\right) + s^2\left(C_1C_3R_4R_4g_m\right) + s^2\left(C_1C_3R_4R_4g_m$ **10.369** INVALID-ORDER-369 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_4R_1R_3R_4g_ms^3 + C_1R_1R_3R_4g_ms + C_4L_4R_3R_4g_ms^2 + R_3R_4g_m}{2R_3g_m + R_4g_m + s^4\left(C_1C_3C_4L_4R_1R_3R_4g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_4R_1R_3R_4g_m + C_1C_4R_3R_4g_m + C_1C_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_4R_1R_3R_4g_m + C_1C_4R_3R_4g_m + C_1C_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_4R_3R_4g_m + C_1C_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m\right) + s^2\left(C_1C_3R$ 10.370 INVALID-ORDER-370 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3R_1R_3g_ms^2 + g_m + s\left(C_1R_1g_m + C_3R_3g_m\right)}{s^3\left(2C_1C_3C_4R_1R_3g_m + 2C_1C_3C_4R_3\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ 10.371 INVALID-ORDER-371 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3R_1R_3R_4g_ms^2 + R_4g_m + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m\right)}{2g_m + s^3\left(2C_1C_3C_4R_1R_3R_4g_m + 2C_1C_3C_4R_3R_4\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_4 + 2C_1C_4R_1R_4g_m + 2C_1C_4R_4 + 2C_3C_4R_3R_4g_m\right) + s\left(2C_1R_1g_m + 2C_1 + 2C_3R_3g_m + C_3R_4g_m + 2C_4R_4g_m\right)}$ 10.372 INVALID-ORDER-372 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3C_4R_1R_3R_4g_ms^3 + g_m + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_4g_m + C_3C_4R_3R_4g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m + C_4R_4g_m\right)}{s^3\left(2C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_4g_m + 2C_1C_3C_4R_3 + C_1C_3C_4R_3 + C_1C_3C_4R_3\right) + s\left(C_1C_3R_1g_m + C_1C_3C_4R_1g_m + 2C_1C_4C_4R_1g_m + 2C_1C_4C_4R_3g_m + C_3C_4R_3g_m + C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ 10.373 INVALID-ORDER-373 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3C_4L_4R_1R_3g_ms^4 + g_m + s^3\left(C_1C_4L_4R_1g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m\right)}{s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4\right) + s^3\left(2C_1C_3C_4R_1R_3g_m + 2C_1C_3C_4R_3 + C_3C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ 10.374 INVALID-ORDER-374 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3L_4R_1R_3g_ms^3 + L_4g_ms + s^2\left(C_1L_4R_1g_m + C_3L_4R_3g_m\right)}{2g_m + s^4\left(2C_1C_3C_4L_4R_1g_m + 2C_1C_3C_4L_4R_3\right) + s^3\left(C_1C_3L_4R_1g_m + C_1C_3L_4 + 2C_1C_4L_4 + 2C_3C_4L_4 + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + 2C_1C_3R_3 + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m + 2C_1C_3R_3g_m\right)}$ 10.375 INVALID-ORDER-375 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3C_4L_4R_1R_3g_ms^4 + g_m + s^3\left(C_1C_3C_4R_1R_3R_4g_m + C_1C_4L_4R_1g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_4g_m + C_3C_4R_3R_4g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m + C_4R_4g_m\right)}{s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4\right) + s^3\left(2C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_4g_m + 2C_1C_3C_4R_4 + C_3C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + 2C_3C_4R_3g_m + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ 10.376 INVALID-ORDER-376 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_4R_1R_3R_4g_ms^3 + L_4R_4g_ms + s^2\left(C_1L_4R_1R_4g_m + C_3L_4R_3R_4g_m\right)}{2R_4g_m + s^4\left(2C_1C_3C_4L_4R_1R_3R_4g_m + 2C_1C_3L_4R_1R_3g_m + C_1C_3L_4R_1R_4g_m + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_1R_4g_m + 2C_1C_4R_1R_4g_m + 2C_1C_$

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10.377 INVALID-ORDER-377 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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$$H(s) = \frac{C_1C_3C_4L_4R_1R_3R_4g_ms^4 + R_4g_m + s^3\left(C_1C_3L_4R_1R_3g_m + C_1C_4L_4R_1R_4g_m + C_3C_4L_4R_3g_m + C_1L_4R_1g_m + C_3L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m + L_4g_m\right)}{2g_m + s^4\left(2C_1C_3C_4L_4R_1R_3g_m + C_1C_3C_4L_4R_1g_m + 2C_1C_4L_4R_1g_m + 2C_1C_4L_4R_1g_m + 2C_1C_4L_4R_3g_m + C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_1R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_4R_4g_m\right) + s$$

10.378 INVALID-ORDER-378
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

 $H(s) = \frac{C_1C_3C_4L_4R_1R_3R_4g_m s^4 + R_4g_m + s^3\left(C_1C_4L_4R_1R_4g_m + C_3C_4L_4R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_4L_4R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m + C_4L_4R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_4R_4g_m + C_4R_4g_m\right) + s\left(C_1R_1R_4g_m + C_4R_4g_m\right) + s\left(C_1R_4g_m +$

10.379 INVALID-ORDER-379 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3L_3R_1R_4g_ms^3 + C_1R_1R_4g_ms + C_3L_3R_4g_ms^2 + R_4g_m}{2g_m + s^3\left(2C_1C_3L_3R_1g_m + 2C_1C_3L_3\right) + s^2\left(C_1C_3R_1R_4g_m + C_1C_3R_4 + 2C_3L_3g_m\right) + s\left(2C_1R_1g_m + 2C_1 + C_3R_4g_m\right)}$$

10.380 INVALID-ORDER-380 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3L_3R_1g_ms^3 + C_1R_1g_ms + C_3L_3g_ms^2 + g_m}{2C_3C_4L_3g_ms^3 + s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.381 INVALID-ORDER-381 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3L_3R_1R_4g_ms^3 + C_1R_1R_4g_ms + C_3L_3R_4g_ms^2 + R_4g_m}{2g_m + s^4\left(2C_1C_3C_4L_3R_1R_4g_m + 2C_1C_3C_4L_3R_4\right) + s^3\left(2C_1C_3L_3R_1g_m + 2C_1C_3L_3 + 2C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3R_1R_4g_m + C_1C_3R_4 + 2C_1C_4R_4 + 2C_3L_3g_m\right) + s\left(2C_1R_1g_m + 2C_1 + C_3R_4g_m + 2C_4R_4g_m\right)}$$

10.382 INVALID-ORDER-382 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3C_4L_3R_1R_4g_ms^4 + g_m + s^3\left(C_1C_3L_3R_1g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_4R_1R_4g_m + C_3L_3g_m\right) + s\left(C_1R_1g_m + C_4R_4g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3\right) + s^3\left(C_1C_3C_4R_1R_4g_m + C_1C_3C_4R_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.383 INVALID-ORDER-383 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3C_4L_3L_4R_1g_ms^5 + C_1R_1g_ms + C_3C_4L_3L_4g_ms^4 + g_m + s^3\left(C_1C_3L_3R_1g_m + C_1C_4L_4R_1g_m\right) + s^2\left(C_3L_3g_m + C_4L_4g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3 + C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4\right) + s^3\left(2C_3C_4L_3g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.384 INVALID-ORDER-384 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3L_3L_4R_1g_ms^4 + C_1L_4R_1g_ms^2 + C_3L_3L_4g_ms^3 + L_4g_ms}{2C_3C_4L_3L_4g_ms^4 + 2g_m + s^5\left(2C_1C_3C_4L_3L_4R_1g_m + 2C_1C_3C_4L_3L_4\right) + s^3\left(2C_1C_3L_3R_1g_m + 2C_1C_3L_4 + C_1C_3L_4 + 2C_1C_4L_4\right) + s^2\left(2C_3L_3g_m + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m + 2C_1C_4L_4\right) + s^2\left(2C_3L_3g_m + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m + 2C_4L_4g_m\right$$

10.385 INVALID-ORDER-385 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_3C_4L_3L_4R_1g_ms^5 + g_m + s^4\left(C_1C_3C_4L_3R_1R_4g_m + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_4L_4R_1g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_4R_1R_4g_m + C_3L_3g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_4R_4g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3 + C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4\right) + s^3\left(C_1C_3C_4R_1R_4g_m + C_3C_4L_3g_m + C_3C_4L_3g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4L_3g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_4R_4g_m\right) +$$

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10.386 INVALID-ORDER-386 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                 \frac{C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}s^{4}+C_{1}L_{4}R_{1}R_{4}g_{m}s^{2}+C_{3}L_{3}L_{4}R_{4}g_{m}s^{3}+L_{4}R_{4}g_{m}s}{2R_{4}g_{m}+s^{5}\left(2C_{1}C_{3}L_{4}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{3}L_{4}L_{4}R_{1}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{
10.387 INVALID-ORDER-387 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3L_4R_1R_4g_ms^5 + R_4g_m + s^4\left(C_1C_3L_3L_4R_1g_m + C_3C_4L_3L_4R_1g_m + C_3L_3L_4g_m\right) + s^3\left(C_1C_3L_3R_1R_4g_m + C_3L_3L_4g_m\right) + s^2\left(C_1L_4R_1g_m + C_3L_3R_4g_m + C_4L_4R_4g_m\right) + s\left(C_1R_1R_4g_m + L_4g_m\right)}{2g_m + s^5\left(2C_1C_3C_4L_3L_4R_1g_m + 2C_1C_3L_4R_1g_m + 2C_1C_3L_4R_1g_m + 2C_1C_4L_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4
10.388 INVALID-ORDER-388 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3L_4R_1R_4g_ms^5 + C_1R_1R_4g_ms + C_3C_4L_3L_4R_4g_ms^4 + R_4g_m + s^3\left(C_1C_3L_3R_1R_4g_m + C_1C_4L_4R_1R_4g_m\right) + s^2\left(C_3L_3R_4g_m + C_4L_4R_4g_m\right)}{2g_m + s^5\left(2C_1C_3C_4L_3L_4R_1g_m + 2C_1C_3C_4L_3R_4g_m + 2C_1C_3C
10.389 INVALID-ORDER-389 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                                 H(s) = \frac{C_1L_3R_1R_4g_ms^2 + L_3R_4g_ms}{R_4g_m + s^3\left(C_1C_3L_3R_1R_4g_m + C_1C_3L_3R_4\right) + s^2\left(2C_1L_3R_1g_m + 2C_1L_3 + C_3L_3R_4g_m\right) + s\left(C_1R_1R_4g_m + C_1R_4 + 2L_3g_m\right)}
10.390 INVALID-ORDER-390 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                 H(s) = \frac{C_1 L_3 R_1 g_m s^2 + L_3 g_m s}{q_m + s^3 \left( C_1 C_3 L_3 R_1 q_m + C_1 C_3 L_3 + 2 C_1 C_4 L_3 R_1 q_m + 2 C_1 C_4 L_3 \right) + s^2 \left( C_3 L_3 q_m + 2 C_4 L_3 q_m \right) + s \left( C_1 R_1 q_m + C_1 \right)}
10.391 INVALID-ORDER-391 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                      H(s) = \frac{C_1L_3R_1R_4g_ms^2 + L_3R_4g_ms}{R_4g_m + s^3\left(C_1C_3L_3R_1R_4g_m + C_1C_3L_3R_4 + 2C_1C_4L_3R_1R_4g_m + 2C_1C_4L_3R_4\right) + s^2\left(2C_1L_3R_1g_m + 2C_1L_3 + C_3L_3R_4g_m + 2C_4L_3R_4g_m\right) + s\left(C_1R_1R_4g_m + C_1R_4 + 2L_3g_m\right)}
10.392 INVALID-ORDER-392 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                      H(s) = \frac{C_1C_4L_3R_1R_4g_ms^3 + L_3g_ms + s^2\left(C_1L_3R_1g_m + C_4L_3R_4g_m\right)}{g_m + s^4\left(C_1C_3C_4L_3R_1R_4g_m + C_1C_3C_4L_3R_4\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_3L_3 + 2C_1C_4L_3R_1g_m + 2C_1C_4L_3 + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_4R_1R_4g_m + C_1C_4R_4 + C_3L_3g_m + 2C_4L_3g_m\right) + s\left(C_1R_1g_m + C_1 + C_4R_4g_m\right)}
10.393 INVALID-ORDER-393 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                     H(s) = \frac{C_1C_4L_3L_4R_1g_ms^4 + C_1L_3R_1g_ms^2 + C_4L_3L_4g_ms^3 + L_3g_ms}{C_3C_4L_3L_4g_ms^4 + g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_3C_4L_3L_4\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_4L_3R_1g_m + 2C_1C_4L_3 + C_1C_4L_4R_1g_m + C_1C_4L_4\right) + s^2\left(C_3L_3g_m + 2C_4L_3g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_1C_4L_3R_1g_m + C_4L_4R_1g_m + C_4L_4R_1g_m + C_4L_4R_1g_m + C_4L_4R_1g_m\right) + s\left(C_1R_1g_m + C_4R_1g_m + C_4R_1
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 $\begin{aligned} \textbf{10.394} \quad \textbf{INVALID-ORDER-394} \ \ Z(s) &= \left(R_1 + \frac{1}{C_1 s}, \ \infty, \ \frac{L_3 s}{C_3 L_3 s^2 + 1}, \ \frac{L_4 s}{C_4 L_4 s^2 + 1}, \ \infty, \ \infty \right) \\ & \qquad \qquad \\ H(s) &= \frac{C_1 L_3 L_4 R_1 g_m s^2 + L_3 L_4 g_m s}{2 L_3 g_m + L_4 g_m + s^3 \left(C_1 C_3 L_3 L_4 R_1 g_m + C_1 C_3 L_3 L_4 + 2 C_1 C_4 L_3 L_4 R_1 g_m + 2 C_1 L_4 L_3 L_4 g_m + s^2 \left(C_3 L_3 L_4 g_m + 2 C_4 L_3 L_4 g_m \right) + s \left(2 C_1 L_3 R_1 g_m + 2 C_1 L_3 + C_1 L_4 R_1 g_m + C_1 L_4 \right) } \end{aligned}$

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10.395 INVALID-ORDER-395 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_3L_4R_1g_ms^4 + L_3g_ms + s^3\left(C_1C_4L_3R_1R_4g_m + C_4L_3L_4g_m\right) + s^2\left(C_1L_3R_1g_m + C_4L_3R_4g_m\right)}{g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_3C_4L_3R_4g_m + C_1C_3L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4R_1R_4g_m + C_1C_4R_1R_4
10.396 INVALID-ORDER-396 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                        \frac{C_{1}L_{3}L_{4}R_{1}R_{4}g_{m}s^{2}+L_{3}L_{4}R_{4}g_{m}s}{2L_{3}R_{4}g_{m}+L_{4}R_{4}g_{m}+s^{3}\left(C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}+C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{1}g_{m}+2C_{1}L_{3}L_{4}R_{1}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+s^{2}\left(2C_{1}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}R_{4}+C_{1}L_{4}R_{1}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C_{1}L_{4}R_{4}g_{m}+C
10.397 INVALID-ORDER-397 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_3L_4R_1R_4g_ms^4 + L_3R_4g_ms + s^3\left(C_1L_3L_4R_1g_m + C_4L_3L_4R_4g_m\right) + s^2\left(C_1L_3R_1R_4g_m + L_3L_4g_m\right)}{R_4g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_3L_3L_4R_1g_m + C_1C_4L_3L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4R_1g_m
10.398 INVALID-ORDER-398 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_1C_4L_3L_4R_1R_4g_ms^4 + C_1L_3R_1R_4g_ms^2 + C_4L_3L_4R_4g_ms^3 + L_3R_4g_ms^4
                                      \frac{C_{1}C_{4}L_{3}L_{4}R_{1}R_{4}g_{m}s^{4}+C_{1}L_{3}R_{1}R_{4}g_{m}s^{2}+C_{4}L_{3}L_{4}R_{4}g_{m}s^{3}+L_{3}R_{4}g_{m}s}{R_{4}g_{m}+s^{5}\left(C_{1}C_{3}C_{4}L_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{3}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{3}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{3}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{3}R_{4}g_{m}+C_{1}C_{4}L_{3}R_{4}g_{m}+C_{1}C_{4}L_{3}R_{4}g_{m}+C_{1}C_{4}L_{3}R_{4}g_{m}+C_{1}C_{4}L_{3}R_{4}g_{m}+C_{1}C_{4}L_{3}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C
10.399 INVALID-ORDER-399 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                 H(s) = \frac{C_1C_3L_3R_1R_4g_ms^3 + R_4g_m + s^2\left(C_1C_3R_1R_3R_4g_m + C_3L_3R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m\right)}{2g_m + s^3\left(2C_1C_3L_3R_1g_m + 2C_1C_3L_3\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_3 + C_1C_3R_4 + 2C_3L_3g_m\right) + s\left(2C_1R_1g_m + 2C_1 + 2C_3R_3g_m + C_3R_4g_m\right)}
10.400 INVALID-ORDER-400 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                H(s) = \frac{C_1C_3L_3R_1g_ms^3 + g_m + s^2\left(C_1C_3R_1R_3g_m + C_3L_3g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4R_1R_3g_m + 2C_1C_3C_4R_3 + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}
10.401 INVALID-ORDER-401 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_3R_1R_4g_ms^3 + R_4g_m + s^2\left(C_1C_3R_1R_3R_4g_m + C_3L_3R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m\right)}{2g_m + s^4\left(2C_1C_3C_4L_3R_1R_4g_m + 2C_1C_3C_4R_1R_3R_4g_m + 2C_1C_3L_3R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_3 + C_1C_3R_4 + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + 2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + 2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_3R_4R_4g_m + 2C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_4R_4R_4g_m + 2C_1C_4R_4R
10.402 INVALID-ORDER-402 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                               H(s) = \frac{C_1C_3C_4L_3R_1R_4g_ms^4 + g_m + s^3\left(C_1C_3C_4R_1R_3R_4g_m + C_1C_3L_3R_1g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_4g_m + C_3C_4R_3R_4g_m + C_3L_3g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m + C_4R_4g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_4g_m + 2C_1C_3C_4R_3 + C_1C_3C_4R_3g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4R_1g_m + C_1C_3C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + 2C_1C_3C_4R_1g_m + 2C_1C_3C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_
10.403 INVALID-ORDER-403 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                H(s) = \frac{C_1C_3C_4L_3L_4R_1g_ms^5 + g_m + s^4\left(C_1C_3C_4L_4R_1R_3g_m + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_4L_4R_1g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_3L_3g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m\right)}{s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3 + C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4R_1g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m\right)}
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10.404 INVALID-ORDER-404 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_4R_1g_ms^4 + L_4g_ms + s^3\left(C_1C_3L_4R_1g_m + C_3L_4R_3g_m + C_3L_4R_3g_m + S^2\left(C_1L_4R_1g_m + C_3L_4R_3g_m\right) + s^2\left(C_1L_4R_1g_m + C_3L_4R_3g_m + S^2\left(C_1L_4R_1g_m + S^2\left(C_1L
10.405 INVALID-ORDER-405 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3L_4R_1g_ms^5 + g_m + s^4\left(C_1C_3C_4L_3R_1R_4g_m + C_1C_3C_4L_4R_1g_m + C_3C_4L_3R_4g_m + C_1C_3L_4R_1g_m + C_3C_4L_4R_1g_m + C_3C_4L_4R_1g_m + C_3C_4L_4R_1g_m + C_3C_4L_4R_1g_m + C_3C_4L_4R_3g_m + C_3C_4L_4g_m + C_3C_4L_4R_3g_m + C_3C_4L_4g_m + C_3C_
10.406 INVALID-ORDER-406 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_1C_3L_3L_4R_1R_4g_ms^4 + L_4R_4g_ms + s^3(C_1C_3L_4R_1R_3R_4g_ms^4)
H(s) = \frac{C_1C_3L_3L_4R_1R_4g_m + 2C_1C_3L_4R_1R_4g_m + 2C_1C_3L_
10.407 INVALID-ORDER-407 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3L_4R_1R_4g_ms^5 + R_4g_m + s^4\left(C_1C_3C_4L_4R_1R_3R_4g_m + C_1C_3L_4L_4R_1g_m + C_3C_4L_4R_1R_3g_m + C_1C_4L_4R_1R_4g_m + C_3C_4L_4R_3R_4g_m + C_3C_4L_4R_
10.408 INVALID-ORDER-408 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{4}g_{m}s^{5} + R_{4}g_{m} + s^{4}\left(C_{1}C_{3}C_{4}L_{4}R_{1}R_{3}R_{4}g_{m} + C_{3}C_{4}L_{3}L_{4}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{4}g_{m} + C_{3}C_{4}L_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{4}g_{m} + C_{3}C_{4}L_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{4}g_{m} + C_{3}C_{4}L_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{4}g_{m} + C_{3}C_{4}L_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}R_{1}R_{4}g_{m}\right) + s^{3}\left(C_{1
                                            \frac{1}{2g_m + s^5 \left(2C_1C_3C_4L_3L_4R_1g_m + 2C_1C_3C_4L_3L_4\right) + s^4 \left(2C_1C_3C_4L_3R_1R_4g_m + 2C_1C_3C_4L_3R_4 + 2C_1C_3C_4L_4R_1R_3g_m + C_1C_3C_4L_4R_1R_4g_m + 2C_1C_3C_4L_4R_4 + 2C_3C_4L_3L_4g_m\right) + s^4 \left(2C_1C_3C_4L_3R_1R_4g_m + 2C_1C_3C_4L_4R_1R_3g_m + C_1C_3C_4L_4R_1R_4g_m + 2C_1C_3C_4L_4R_4 + 2C_3C_4L_3L_4g_m\right) + s^4 \left(2C_1C_3C_4L_3R_1R_4g_m + 2C_1C_3C_4L_4R_1R_3g_m + 2C_1C_3C_4L_4R_1R_4g_m + 2C_1C_3C_4L_4R_1R_4g_m + 2C_1C_3C_4L_4R_1R_4g_m + 2C_1C_3C_4L_4R_1R_4g_m\right) + s^4 \left(2C_1C_3C_4L_3R_1R_4g_m + 2C_1C_3C_4L_4R_1R_4g_m + 2C_1C_3
10.409 INVALID-ORDER-409 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
                                                                                                                                                                                           H(s) = \frac{C_1L_3R_1R_3R_4g_ms^2 + L_3R_3R_4g_ms}{R_3R_4g_m + s^3\left(C_1C_3L_3R_1R_3R_4g_m + C_1C_3L_3R_3R_4\right) + s^2\left(2C_1L_3R_1R_3g_m + C_1L_3R_1R_4g_m + 2C_1L_3R_4 + C_3L_3R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + C_1R_3R_4 + 2L_3R_3g_m + L_3R_4g_m\right)}
10.410 INVALID-ORDER-410 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                           H(s) = \frac{C_{1}L_{3}R_{1}R_{3}g_{m}s^{2} + L_{3}R_{3}g_{m}s}{R_{3}g_{m} + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}g_{m} + C_{1}C_{3}L_{3}R_{3} + 2C_{1}C_{4}L_{3}R_{1}R_{3}g_{m} + 2C_{1}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}L_{3}R_{1}g_{m} + C_{1}L_{3} + C_{3}L_{3}R_{3}g_{m} + 2C_{4}L_{3}R_{3}g_{m}\right) + s\left(C_{1}R_{1}R_{3}g_{m} + C_{1}R_{3} + L_{3}g_{m}\right)}
10.411 INVALID-ORDER-411 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                       H(s) = \frac{C_1L_3R_1R_3R_4g_ms^2 + L_3R_3R_4g_ms}{R_3R_4g_m + s^3\left(C_1C_3L_3R_1R_3R_4g_m + C_1C_3L_3R_3R_4 + 2C_1C_4L_3R_3R_4g_m + 2C_1L_3R_1R_3g_m + C_1L_3R_1R_4g_m + 2C_1L_3R_3 + C_1L_3R_4 + C_3L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + s^2(2C_1L_3R_1R_3g_m + 2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + s^2(2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + s^2(2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + s^2(2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + s^2(2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m + s^2(2C_4L_3R_3R_4g_m + s^2(2C_4
10.412 INVALID-ORDER-412 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_3R_1R_3R_4g_ms^3 + L_3R_3g_ms + s^2\left(C_1L_3R_1R_3g_m + C_4L_3R_3R_4g_m\right)}{R_3g_m + s^4\left(C_1C_3C_4L_3R_1R_3g_m + C_1C_3L_4R_3R_4g_m + C_1C_4L_3R_1R_3g_m + C_1C_4L_3R_1R_3g_m + C_1C_4L_3R_4g_m + C_1C_4L_3R_4g_m
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10.413 INVALID-ORDER-413 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_3L_4R_1R_3g_ms^4 + C_1L_3R_1R_3g_ms^2 + C_4L_3L_4R_3g_ms^3 + L_3R_3g_ms}{R_3g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_4L_3L_4R_1g_m + C_1C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_3R_1R_3g_m + C_1C_4L_3R_1R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L
10.414 INVALID-ORDER-414 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                              H(s) = \frac{C_1L_3L_4R_1R_3g_ms^2 + L_3L_4R_3g_ms}{2L_3R_3g_m + L_4R_3g_m + s^3\left(C_1C_3L_3L_4R_1R_3g_m + C_1C_3L_3L_4R_3 + 2C_1C_4L_3L_4R_3g_m + 2C_1L_3L_4R_3g_m + C_1L_3L_4R_3g_m + 2C_4L_3L_4R_3g_m + s^2\left(C_1L_3L_4R_3g_m + 2C_4L_3L_4R_3g_m +
10.415 INVALID-ORDER-415 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_1C_4L_3L_4R_1R_3g_ms^4 + L_3R_3g_ms + s^3\left(C_1C_4L_3R_1R_3R_4g_m + C_4L_3L_4R_3g_m\right)
H(s) = \frac{C_1C_4L_3L_4R_1R_3g_ms^4 + L_3R_3g_ms + s^3\left(C_1C_4L_3R_1R_3R_4g_m + C_4L_3L_4R_3g_ms + s^3\left(C_1C_4L_3R_1R_3g_ms + s^3c_1C_4L_3R_1R_3g_ms +
10.416 INVALID-ORDER-416 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
H(s) = \frac{C_1 L_3 L_4 R_1 R_3 R_4 g_m s^2 + L_3 L_4 R_3 R_4 g_m s}{2 L_3 R_3 R_4 g_m + L_4 R_3 R_4 g_m + s^3 \left(C_1 C_3 L_3 L_4 R_1 R_3 R_4 g_m + C_1 C_4 L_3 L_4 R_1 R_3 R_4 g_m + 2 C_1 L_3 L_4 R_1 R_3 g_m + C_1 L_3 L_4 R_3 R_4 g_m + 2 C_1 L_3 L_4 R_3 R_
10.417 INVALID-ORDER-417 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_1C_4L_3L_4R_1R_3R_4g_ms^4 + L_3R_3R_4g_m
H(s) = \frac{C_1C_4L_3L_4R_1R_3R_4g_m + S_5\left(C_1C_3C_4L_3L_4R_1R_3R_4g_m + C_1C_3L_4L_4R_1R_3g_m + C_1C_4L_3L_4R_1R_3g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_
10.418 INVALID-ORDER-418 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_1C_4L_3L_4R_1R_3R_4g_ms^4 + C_1L_3R_1R_3R_4g_ms^2 + C_4L_3L_4R_1R_3R_4g_ms^2
                                              \frac{c_1c_4L_3L_4R_1R_3R_4g_m + c_1C_3L_4L_4R_1R_3g_m + c_1C_4L_3L_4R_1R_3g_m +
10.419 INVALID-ORDER-419 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                                                H(s) = \frac{C_1C_3L_3R_1R_3R_4g_ms^3 + R_3R_4g_m + s^2\left(C_1L_3R_1R_4g_m + C_3L_3R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + L_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^3\left(2C_1C_3L_3R_1R_3g_m + C_1C_3L_3R_1R_4g_m + 2C_1C_3L_3R_3\right) + s\left(2C_1L_3R_1g_m + 2C_1L_3 + 2C_3L_3R_3g_m + C_3L_3R_4g_m\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3 + C_1R_4 + 2L_3g_m\right)}
10.420 INVALID-ORDER-420 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                              H(s) = \frac{C_1C_3L_3R_1R_3g_ms^3 + R_3g_m + s^2\left(C_1L_3R_1g_m + C_3L_3R_3g_m\right) + s\left(C_1R_1R_3g_m + L_3g_m\right)}{g_m + s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3R_3\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_3L_3 + 2C_1C_4L_3R_1g_m + 2C_1C_4L_3R_3g_m\right) + s^2\left(2C_1C_4R_1R_3g_m + 2C_1C_4R_3 + C_3L_3g_m\right) + s\left(C_1R_1g_m + C_1C_4R_3g_m\right) + s\left(C_1R_1g_m + C_1C_4R_3g_m\right)
10.421 INVALID-ORDER-421 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_3R_1R_3R_4g_m + s^2\left(C_1L_3R_1R_4g_m + C_3L_3R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + L_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^4\left(2C_1C_3C_4L_3R_1R_3g_m + 2C_1C_3L_4R_3R_4g_m + 2C_1C_3L_3R_1R_4g_m + 2C_1C_4L_3R_4g_m + 2C_1C_4L_3R_4g_m + 2C_1C_4L_3R_4g_m + 2C_1C_4L_3R_4g_m + 2C_1C_4L_3R_4g_m + 2C_1C_4L_3R_4g_m + 2C_1C_4R_3R_4g_m + 2C_1C_4R_3R_4g_m
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10.422 INVALID-ORDER-422 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3R_1R_3g_m + s^3\left(C_1C_3L_3R_1R_3g_m + C_1C_4L_3R_1R_4g_m + C_3C_4L_3R_3g_m + C_1L_3R_1g_m + C_3L_3R_3g_m + C_4L_3R_4g_m + s^2\left(C_1C_4R_1R_3g_m + C_4L_3R_4g_m + C_4L_3R_4g_m + C_4L_3R_4g_m + S_4C_4L_3R_4g_m + S_4C_4L_3R_4g_m
10.423 INVALID-ORDER-423 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3L_4R_1R_3g_ms^5 + R_3g_m + s^4\left(C_1C_4L_3L_4R_1g_m + C_3C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_3R_1R_3g_m + C_4L_4R_1g_m + C_4L_4R_3g_m\right) + s^2\left(C_1L_3R_1g_m + C_4L_4R_3g_m\right) + s\left(C_1R_1R_3g_m + L_3g_m\right)}{g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_3L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L
10.424 INVALID-ORDER-424 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}s^{4} + L_{4}R_{3}g_{m}s + s^{3}\left(C_{1}L_{3}L_{4}R_{1}g_{m} + C_{3}L_{3}L_{4}R_{3}g_{m}\right) + s^{2}\left(C_{1}L_{4}R_{1}R_{3}g_{m} + L_{3}L_{4}g_{m}\right)
H(s) = \frac{C_1C_3L_3L_4R_1R_3g_ms + s^3\left(C_1L_3L_4R_1g_m + C_3L_3L_4R_3g_m\right) + s^2\left(C_1L_4R_1R_3g_m + L_3L_4g_m\right)}{2R_3g_m + s^5\left(2C_1C_3C_4L_3L_4R_1g_m + 2C_1C_4L_3L_4R_1g_m + 2C_1C_4L_4R_1R_3g_m +
10.425 INVALID-ORDER-425 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3L_4R_1R_3g_ms^5 + R_3g_m + s^4\left(C_1C_3C_4L_3R_1R_3R_4g_m + C_1C_4L_3L_4R_1g_m + C_3C_4L_3R_1R_3g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_1R_3g_m + C_3C_4L_3R_3R_4g_m + C_4L_3L_4g_m\right) + s^2\left(C_1C_4R_1R_3R_4R_3g_m + C_4R_4R_4R_3g_m + C_4R_4R_4R_3g_m + C_4R_4R_4R_4R_4g_m + C_4R_4R_4R_4R_4g_m + C_4R_4R_4R_4g_m + C_4R_4R_4g_m + C_4R_4R_4R_4g_m + C_4R_4R_4g_m + C_4R_4R_4R_4g_m + C_4R_4R_4R_4g_m + C_4R_4R_4R_4g_m + C_4R_4R_4g_m + C_4R_4R_4R_4g_m + C_4R_4R_4g_m + C_4R_4R_4g_m + C_4R
10.426 INVALID-ORDER-426 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1C_3L_3L_4R_1R_3R_4g_ms^4 +
                                                \frac{1}{2R_{3}R_{4}g_{m}+s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{2}g_{m}+2C_{1}C_{3}L_{4}R_{1}R_{2}g_{m}+2C_{1}C_{3}L_
10.427 INVALID-ORDER-427 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}s^{5} + R_{3}R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{4}L_{3}L_{4}R_{1}R_{4}g_{m} + C_{3}C_{4}L_{3}L_{4}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{3}L_{4}R_{1}R_{4}g_{m} + C_{3}C_{4}L_{3}L_{4}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}R_{1}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}R_
H(s) = \frac{C_1C_3C_4L_3L_4R_1R_3g_m + s^4\left(C_1C_3L_3L_4R_1R_3g_m + C_1C_4L_3L_4R_1R_4g_m + C_3C_4L_3L_4R_3R_4g_m\right) + s^3\left(C_1C_3L_3R_1R_3R_4g_m + C_1C_4L_3L_4R_1R_3g_m + C_1C_4L_3L_4R_1R_3g_m + C_1C_4L_3L_4R_1R_3g_m + C_1C_4L_3L_4R_1g_m + C_1C_4L_3L_4R_1g_m + C_1C_4L_3L_4R_1g_m + C_1C_4L_3L_4R_1g_m + C_1C_4L_3L_4R_3g_m + C_3C_4L_3L_4R_3g_m + C
10.428 INVALID-ORDER-428 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_1C_3C_4L_3L_4R_1R_3R_4g_ms^5 + R_3R_4g_m + s^4(C_1C_4)
                                                2R_{3}g_{m} + R_{4}g_{m} + s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}C_{4}L_{3}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{3}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{3}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{3}L_{4}R_{3}g_{m} + C_{1}
10.429 INVALID-ORDER-429 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                                    H(s) = \frac{C_1C_3L_3R_1R_3R_4g_ms^3 + C_1R_1R_3R_4g_ms + C_3L_3R_3R_4g_ms^2 + R_3R_4g_m}{2R_3g_m + R_4g_m + s^3\left(2C_1C_3L_3R_1R_3g_m + C_1C_3L_3R_1R_4g_m + 2C_1C_3L_3R_3 + C_1C_3L_3R_4g_m + C_1C_3R_3R_4g_m + C_
10.430 INVALID-ORDER-430 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                   H(s) = \frac{C_{1}C_{3}L_{3}R_{1}R_{3}g_{m}s^{3} + C_{1}R_{1}R_{3}g_{m}s + C_{3}L_{3}R_{3}g_{m}s^{2} + R_{3}g_{m}}{g_{m} + s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{1}g_{m} + 2C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}g_{m} + C_{1}C_{3}L_{3} + 2C_{3}C_{4}L_{3}R_{3}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}R_{3}g_{m} + C_{1}C_{3}R_{3} + 2C_{1}C_{4}R_{3} + C_{3}L_{3}g_{m}\right) + s\left(C_{1}R_{1}g_{m} + C_{1} + C_{3}R_{3}g_{m} + 2C_{4}R_{3}g_{m}\right)}{g_{m} + s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{1}g_{m} + 2C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}C_{3}L_{3}R_{1}g_{m} + C_{1}C_{3}R_{3}g_{m} + 2C_{1}C_{4}R_{3} + C_{3}L_{3}g_{m}\right) + s\left(C_{1}R_{1}g_{m} + C_{1} + C_{3}R_{3}g_{m} + 2C_{4}R_{3}g_{m}\right)}{g_{m} + s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{3}g_{m} + 2C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}C_{3}L_{3}R_{3}g_{m} + 2C_{1}C_{4}R_{3} + 2C_{1}C_{4}R_{3} + C_{1}C_{4}R_{3} + C_{1}C_{4}R_{3}\right)}{g_{m} + s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}C_{3}L_{3}R_{3}g_{m} + 2C_{1}C_{4}R_{3} + 2C_{1}C_{4}R_{3} + C_{1}C_{4}R_{3}\right)}{g_{m} + s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}C_{3}L_{3}R_{3}g_{m} + 2C_{1}C_{4}R_{3} + 2C_{1}C_{4}R_{3} + C_{1}C_{4}R_{3}\right)}{g_{m} + s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}C_{3}L_{3}R_{3}g_{m} + 2C_{1}C_{4}R_{3}\right)}{g_{m} + s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}C_{3}C_{4}L_{3}R_{3}\right) + s^{2}\left(C_{1}C_{3}R_{3}R_{3}g_{m} + 2C_{1}C_{4}R_{3}\right)
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10.431 INVALID-ORDER-431 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_3R_1R_3R_4g_ms^3 + C_1R_1R_3R_4g_ms + C_3L_3R_3R_4g_ms^2 + R_3R_4g_m}{2R_3g_m + R_4g_m + s^4\left(2C_1C_3C_4L_3R_1R_3R_4g_m + 2C_1C_3L_3R_1R_3g_m + C_1C_3L_3R_1R_3g_m + C_1C_3L_3R_3R_4g_m + C_1C_3R_3R_4g_m + C_1C_
10.432 INVALID-ORDER-432 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3R_1R_3R_4g_ms^4 + R_3g_m + s^3\left(C_1C_3L_3R_1R_3g_m + C_3C_4L_3R_3R_4g_m\right) + s^2\left(C_1C_4R_1R_3R_4g_m + C_3L_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{g_m + s^4\left(2C_1C_3C_4L_3R_1R_3g_m + C_1C_3C_4L_3R_1R_4g_m + 2C_1C_3C_4L_3R_3g_m + C_1C_3C_4L_3R_3g_m + C_1C_3C_4R_3R_3g_m + C_1
10.433 INVALID-ORDER-433 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_3L_4R_1R_3g_ms^5 + C_1R_1R_3g_ms + C_3C_4L_3L_4R_3g_ms^4 + R_3g_m + s^3\left(C_1C_3L_3R_1R_3g_m + C_1C_4L_4R_1R_3g_m\right) + s^2\left(C_3L_3R_3g_m + C_4L_4R_3g_m\right)}{g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_3C_4L_3R_4R_3g_m + C_4C_4R_3g_m\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_3L_4R_1g_m + C_1C_3L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_4L_4R_3g_m\right) + s^2\left(C_3L_3R_3g_m + C_4L_4R_
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10.434 INVALID-ORDER-434 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $\frac{C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m}s^{4} + C_{1}L_{4}R_{1}R_{3}g_{m}s^{2} + C_{3}L_{3}L_{4}R_{3}g_{m}s^{3} + L_{4}R_{3}g_{m}s}{2R_{3}g_{m} + s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m} + 2C_{1}C_{3}L_{4}R_{1}R_{3}g_{m} + 2C_{1}C_{3}L_{4}R_{3}g_{m} + 2C_{1}C_{3}L_{4}R_{3}g_{m} + 2C_{1}C_{3}L_{4}R_{3}g_{m} + 2C_{1}C_{4}L_{4}R_{3}g_{m} + 2C_{1}C_{4}L_{4}R_$ $C_1C_3L_3L_4R_1R_3g_ms^4 + C_1L_4R_1R_3g_ms^2 + C_3L_3L_4R_3g_ms^3 + L_4R_3g_ms^3$

10.435 INVALID-ORDER-435 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}g_{m}s^{5} + R_{3}g_{m} + s^{4}\left(C_{1}C_{3}C_{4}L_{3}R_{1}R_{3}R_{4}g_{m} + C_{3}C_{4}L_{3}L_{4}R_{3}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}R_{3}g_{m} + C_{1}C_{4}L_{4}R_{5}g_{m}\right) + s^{4}\left(C_{1}C_{3}C_{4}L_{3}R_{1}R_{3}R_{4}g_{m} + C_{3}C_{4}L_{3}L_{4}R_{3}g_{m}\right) + s^{4}\left(C_{1}C_{3}L_{3}R_{1}R_{3}g_{m} + C_{1}C_{4}L_{4}R_{5}g_{m}\right) + s^{4}\left(C_{1}C_{3}L_{4}R_{3}R_{5}g_{m} + C_{1}C_{4}L_{5}R_{5}g_{m}\right) + s^{4}\left(C_{1}C_{3}L_{4}R_{5}g_{m} + C_{1}C_{4}L_{5}R_{5}g_{m}\right) + s^{4}\left(C_{1}C_{3}L_{5}R_{5}g_{m} + C_{1}C_{5}R_{5}g_{m}\right) + s^{4}\left(C_{1}C_{3}R_{5}g_{m} + C_{1}C_{5}R_{5}g_{m}\right) + s^{4}\left(C_{1}C_{5}R_{5}g_{m} + C_{1}C_{5}g_{m}\right) + s^{4}\left(C_{1}C_{5}R_{5}g_{m} + C_{1}C_{5}g_{m}\right) + s^{4}\left(C_{1}C$ $H(s) = \frac{C_1C_3C_4L_3L_4R_1R_3g_ms^3 + R_3g_m + s^4\left(C_1C_3C_4L_3R_1R_3R_4g_m + C_3C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3R_3g_m + C_1C_4L_4R_3g_m + C_1C_3C_4L_3R_4R_3g_m + C_1C_3C_4R_3R_4g_m + C$

10.436 INVALID-ORDER-436 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

10.437 INVALID-ORDER-437 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $C_1C_3C_4L_3L_4R_1R_3R_4g_ms^5 + R_3R_4g_m + s^4(C_1C_3L_3L_4R_1R_3R_4g_m)$

10.438 INVALID-ORDER-438 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $C_1C_3C_4L_3L_4R_1R_3R_4g_ms^5$

10.439 INVALID-ORDER-439 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1 L_1 R_3 g_m s^2 + R_3 g_m}{2C_1 C_4 L_1 R_3 g_m s^3 + g_m + s^2 (2C_1 C_4 R_3 + C_1 L_1 g_m) + s (C_1 + 2C_4 R_3 g_m)}$$

10.440 INVALID-ORDER-440
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1R_3R_4g_ms^2 + R_3R_4g_m}{2C_1C_4L_1R_3R_4g_ms^3 + 2R_3g_m + R_4g_m + s^2\left(2C_1C_4R_3R_4 + 2C_1L_1R_3g_m + C_1L_1R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + 2C_4R_3R_4g_m\right)}$$

10.441 INVALID-ORDER-441
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1R_3R_4g_ms^3 + C_1L_1R_3g_ms^2 + C_4R_3R_4g_ms + R_3g_m}{g_m + s^3\left(2C_1C_4L_1R_3g_m + C_1C_4L_1R_4g_m\right) + s^2\left(2C_1C_4R_3 + C_1C_4R_4 + C_1L_1g_m\right) + s\left(C_1 + 2C_4R_3g_m + C_4R_4g_m\right)}$$

10.442 INVALID-ORDER-442
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4R_3g_ms^4 + R_3g_m + s^2\left(C_1L_1R_3g_m + C_4L_4R_3g_m\right)}{C_1C_4L_1L_4g_ms^4 + g_m + s^3\left(2C_1C_4L_1R_3g_m + C_1C_4L_4\right) + s^2\left(2C_1C_4R_3 + C_1L_1g_m + C_4L_4g_m\right) + s\left(C_1 + 2C_4R_3g_m\right)}$$

10.443 INVALID-ORDER-443
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1L_4R_3g_ms^3 + L_4R_3g_ms}{2C_1C_4L_1L_4R_3g_ms^4 + 2R_3g_m + s^3\left(2C_1C_4L_4R_3 + C_1L_1L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4 + 2C_4L_4R_3g_m\right) + s\left(2C_1R_3 + L_4g_m\right)}$$

10.444 INVALID-ORDER-444
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

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

10.445 INVALID-ORDER-445
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1L_4R_3R_4g_ms^3 + L_4R_3R_4g_ms}{2C_1C_4L_1L_4R_3R_4g_ms^4 + 2R_3R_4g_m + s^3\left(2C_1C_4L_4R_3R_4 + 2C_1L_1L_4R_3g_m + C_1L_1L_4R_4g_m\right) + s^2\left(2C_1L_1R_3R_4g_m + 2C_1L_4R_3 + C_1L_4R_4 + 2C_4L_4R_3R_4g_m\right) + s\left(2C_1R_3R_4 + 2L_4R_3g_m + L_4R_4g_m\right) + s\left(2C_1R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4R_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4R_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4R_4R_3R_4g_m\right) + s\left(2C_4R_4R_4g_m + 2C_4R_4R_4g_m\right) + s\left(2C_4R_4R_4g_m + 2C_4R_4g_m\right) + s\left(2C_4$$

10.446 INVALID-ORDER-446
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4R_3R_4g_ms^4 + C_1L_1L_4R_3g_ms^3 + L_4R_3g_ms + R_3R_4g_m + s^2\left(C_1L_1R_3R_4g_m + C_4L_4R_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^4\left(2C_1C_4L_1L_4R_3g_m + C_1C_4L_4L_4R_4g_m\right) + s^3\left(2C_1C_4L_4R_3 + C_1C_4L_4R_4 + C_1L_1L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_1R_4g_m + C_1L_4 + 2C_4L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + L_4g_m\right)}$$

10.447 INVALID-ORDER-447
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4R_3R_4g_ms^4 + R_3R_4g_m + s^2\left(C_1L_1R_3R_4g_m + C_4L_4R_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^4\left(2C_1C_4L_1L_4R_3g_m + C_1C_4L_1L_4R_4g_m\right) + s^3\left(2C_1C_4L_1R_3R_4g_m + 2C_1C_4L_4R_3 + C_1C_4L_4R_4\right) + s^2\left(2C_1C_4R_3R_4 + 2C_1L_1R_3g_m + C_1L_1R_4g_m + 2C_4L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + 2C_4R_3R_4g_m\right)}$$

10.448 INVALID-ORDER-448
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_1 L_1 R_4 g_m s^2 + R_4 g_m}{C_1 C_3 L_1 R_4 g_m s^3 + 2 g_m + s^2 \left(C_1 C_3 R_4 + 2 C_1 L_1 g_m \right) + s \left(2 C_1 + C_3 R_4 g_m \right)}$$

10.449 INVALID-ORDER-449
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1 L_1 g_m s^2 + g_m}{s^3 \left(C_1 C_3 L_1 g_m + 2 C_1 C_4 L_1 g_m \right) + s^2 \left(C_1 C_3 + 2 C_1 C_4 \right) + s \left(C_3 g_m + 2 C_4 g_m \right)}$$

10.450 INVALID-ORDER-450
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1 L_1 R_4 g_m s^2 + R_4 g_m}{2g_m + s^3 \left(C_1 C_3 L_1 R_4 g_m + 2C_1 C_4 L_1 R_4 g_m\right) + s^2 \left(C_1 C_3 R_4 + 2C_1 C_4 R_4 + 2C_1 L_1 g_m\right) + s \left(2C_1 + C_3 R_4 g_m + 2C_4 R_4 g_m\right)}$$

10.451 INVALID-ORDER-451
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1R_4g_ms^3 + C_1L_1g_ms^2 + C_4R_4g_ms + g_m}{C_1C_3C_4L_1R_4g_ms^4 + s^3\left(C_1C_3C_4R_4 + C_1C_3L_1g_m + 2C_1C_4L_1g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.452 INVALID-ORDER-452
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4g_ms^4 + g_m + s^2\left(C_1L_1g_m + C_4L_4g_m\right)}{C_1C_3C_4L_1L_4g_ms^5 + C_1C_3C_4L_4s^4 + s^3\left(C_1C_3L_1g_m + 2C_1C_4L_1g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.453 INVALID-ORDER-453
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1L_4g_ms^3 + L_4g_ms}{2C_1s + 2g_m + s^4\left(C_1C_3L_1L_4g_m + 2C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3L_4 + 2C_1C_4L_4\right) + s^2\left(2C_1L_1g_m + C_3L_4g_m + 2C_4L_4g_m\right)}$$

10.454 INVALID-ORDER-454
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4g_ms^4 + C_1C_4L_1R_4g_ms^3 + C_4R_4g_ms + g_m + s^2\left(C_1L_1g_m + C_4L_4g_m\right)}{C_1C_3C_4L_1L_4g_ms^5 + s^4\left(C_1C_3C_4L_1R_4g_m + C_1C_3C_4L_4\right) + s^3\left(C_1C_3C_4R_4 + C_1C_3L_1g_m + 2C_1C_4L_1g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$$

10.455 INVALID-ORDER-455
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1L_4R_4g_ms^3 + L_4R_4g_ms}{2R_4g_m + s^4\left(C_1C_3L_1L_4R_4g_m + 2C_1C_4L_1L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_4 + 2C_1C_4L_4R_4 + 2C_1L_1L_4g_m\right) + s^2\left(2C_1L_1R_4g_m + 2C_1L_4 + C_3L_4R_4g_m + 2C_4L_4R_4g_m\right) + s\left(2C_1R_4 + 2L_4g_m\right)}{2R_4g_m + s^4\left(C_1C_3L_1L_4R_4g_m + 2C_1C_4L_1L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_4 + 2C_1C_4L_4R_4g_m\right) + s^2\left(2C_1L_1R_4g_m + 2C_4L_4R_4g_m\right) + s\left(2C_1R_4 + 2L_4g_m\right)}$$

10.456 INVALID-ORDER-456
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4R_4g_ms^4 + C_1L_1L_4g_ms^3 + L_4g_ms + R_4g_m + s^2\left(C_1L_1R_4g_m + C_4L_4R_4g_m\right)}{C_1C_3C_4L_1L_4R_4g_ms^5 + 2g_m + s^4\left(C_1C_3C_4L_4R_4 + C_1C_3L_1L_4g_m + 2C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3L_1R_4g_m + C_1C_4L_4 + C_3C_4L_4R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1L_1g_m + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1 + C_3R_4g_m\right)}$$

10.457 INVALID-ORDER-457
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4R_4g_ms^4 + R_4g_m + s^2\left(C_1L_1R_4g_m + C_4L_4R_4g_m\right)}{C_1C_3C_4L_1L_4R_4g_ms^5 + 2g_m + s^4\left(C_1C_3C_4L_4R_4 + 2C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3L_1R_4g_m + 2C_1C_4L_1R_4g_m + 2C_1C_4L_4R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1C_4R_4 + 2C_1L_1g_m + 2C_4L_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1C_4R_4 + 2C_1C_4R_4 + 2C_1C_4R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1C_4R_4 + 2C_1C_4R_4 + 2C_1C_4R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1C_4R_4g_m\right) + s^2\left(C_1C_3R_4g_m\right) + s^$$

10.458 INVALID-ORDER-458 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)$ $H(s) = \frac{C_1L_1R_3R_4g_ms^2 + R_3R_4g_m}{C_1C_3L_1R_3R_4g_ms^3 + 2R_3g_m + R_4g_m + s^2\left(C_1C_3R_3R_4 + 2C_1L_1R_3g_m + C_1L_1R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + C_3R_3R_4g_m\right)}$ **10.459** INVALID-ORDER-459 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1 L_1 R_3 g_m s^2 + R_3 g_m}{g_m + s^3 \left(C_1 C_3 L_1 R_3 g_m + 2 C_1 C_4 L_1 R_3 g_m \right) + s^2 \left(C_1 C_3 R_3 + 2 C_1 C_4 R_3 + C_1 L_1 g_m \right) + s \left(C_1 + C_3 R_3 g_m + 2 C_4 R_3 g_m \right)}$ **10.460** INVALID-ORDER-460 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1L_1R_3R_4g_ms^2 + R_3R_4g_m}{2R_3g_m + R_4g_m + s^3\left(C_1C_3L_1R_3R_4g_m + 2C_1C_4L_1R_3R_4g_m\right) + s^2\left(C_1C_3R_3R_4 + 2C_1C_4R_3R_4 + 2C_1L_1R_3g_m + C_1L_1R_4g_m\right) + s\left(2C_1R_3 + C_1R_4 + C_3R_3R_4g_m + 2C_4R_3R_4g_m\right)}$ 10.461 INVALID-ORDER-461 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_1R_3R_4g_ms^3 + C_1L_1R_3g_ms^2 + C_4R_3R_4g_ms + R_3g_m}{C_1C_3C_4L_1R_3R_4g_ms^4 + g_m + s^3\left(C_1C_3C_4R_3R_4 + C_1C_3L_1R_3g_m + 2C_1C_4L_1R_3g_m + C_1C_4L_1R_4g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_1C_4R_4 + C_1L_1g_m + C_3C_4R_3R_4g_m\right) + s\left(C_1 + C_3R_3g_m + 2C_4R_3g_m + C_4R_4g_m\right)}$ **10.462** INVALID-ORDER-462 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_1L_4R_3g_ms^4 + R_3g_m + s^2\left(C_1L_1R_3g_m + C_4L_4R_3g_m\right)}{C_1C_3C_4L_1L_4R_3g_ms^5 + g_m + s^4\left(C_1C_3C_4L_4R_3 + C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3L_1R_3g_m + 2C_1C_4L_1R_3g_m + C_1C_4L_4 + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_1L_1g_m + C_4L_4g_m\right) + s\left(C_1+C_3R_3g_m + 2C_4R_3g_m\right)}$ **10.463** INVALID-ORDER-463 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1L_1L_4R_3g_ms^3 + L_4R_3g_ms}{2R_3g_m + s^4\left(C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3 + 2C_1C_4L_4R_3 + C_1L_1L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4 + C_3L_4R_3g_m + 2C_4L_4R_3g_m\right) + s\left(2C_1R_3 + L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4 + C_3L_4R_3g_m\right) + s\left(2C_1R_3 + L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4 + C_3L_4R_3g_m\right) + s^2\left(2C_1R_3 + L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4 + C_3L_4R_3g_m\right) + s^2\left(2C_1R_3 + L_4g_m\right) +$ **10.464** INVALID-ORDER-464 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_1L_4R_3g_ms^4 + C_1C_4L_1R_3R_4g_ms^3 + C_4R_3R_4g_ms + R_3g_m + s^2\left(C_1L_1R_3g_m + C_4L_4R_3g_m\right)}{C_1C_3C_4L_1L_4R_3g_ms^5 + g_m + s^4\left(C_1C_3C_4L_1R_3R_4g_m + C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3C_4R_3R_4 + C_1C_4L_1R_3g_m + C_1C_4L_1R_3g_m + C_1C_4L_1R_3g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_1C_4R_4 + C_1L_1g_m + C_3C_4R_3R_4g_m + C_4L_4R_3g_m\right)}$ 10.465 INVALID-ORDER-465 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $H(s) = \frac{C_1L_1L_4R_3R_4g_ms^3 + L_4R_3R_4g_ms}{2R_3R_4g_m + s^4\left(C_1C_3L_1L_4R_3R_4g_m + 2C_1C_4L_1L_4R_3R_4g_m\right) + s^3\left(C_1C_3L_4R_3R_4 + 2C_1L_4L_4R_3g_m + C_1L_1L_4R_3g_m + 2C_1L_4R_3 + C_1L_4R_4 + C_3L_4R_3R_4g_m\right) + s\left(2C_1R_3R_4 + 2L_4R_3g_m + 2C_4L_4R_3R_4g_m\right) + s\left(2C_1R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s\left(2C_1R_3R_4 + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4R_3R_4g_m\right) + s\left(2C_4R_3R_4g_m + 2C_4R_4g_m\right) + s\left(2C_4R_4g_m + 2C_4R_4g_m\right) +$ 10.466 INVALID-ORDER-466 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_1L_4R_3g_ms^4 + C_1L_1L_4R_3g_ms^3 + L_4R_3g_ms^3 + L_4R_3g_ms$ $C_1C_4L_1L_4R_3R_4g_ms^4 + C_1L_1L_4R_3g_ms^3 + L_4R_3g_ms + R_3R_4g_m + s^2(C_1L_1R_3R_4g_m + C_4L_4R_3R_4g_m)$ 10.467 INVALID-ORDER-467 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

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

 $C_1C_4L_1L_4R_3R_4g_ms^4 + R_3R_4g_m + s^2(C_1L_1R_3R_4g_m + C_4L_4R_3R_4g_m)$

10.468 INVALID-ORDER-468 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$ $H(s) = \frac{C_1C_3L_1R_3R_4g_ms^3 + C_1L_1R_4g_ms^2 + C_3R_3R_4g_ms + R_4g_m}{2g_m + s^3\left(2C_1C_3L_1R_3g_m + C_1C_3L_1R_4g_m\right) + s^2\left(2C_1C_3R_3 + C_1C_3R_4 + 2C_1L_1g_m\right) + s\left(2C_1 + 2C_3R_3g_m + C_3R_4g_m\right)}$

10.469 INVALID-ORDER-469 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1R_3g_ms^3 + C_1L_1g_ms^2 + C_3R_3g_ms + g_m}{2C_1C_3C_4L_1R_3g_ms^4 + s^3\left(2C_1C_3C_4R_3 + C_1C_3L_1g_m + 2C_1C_4L_1g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$

10.470 INVALID-ORDER-470 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1R_3R_4g_ms^3 + C_1L_1R_4g_ms^2 + C_3R_3R_4g_ms + R_4g_m}{2C_1C_3C_4L_1R_3R_4g_ms^4 + 2g_m + s^3\left(2C_1C_3C_4R_3R_4 + 2C_1C_3L_1R_3g_m + C_1C_3L_1R_4g_m\right) + s^2\left(2C_1C_3R_3 + C_1C_3R_4 + 2C_1C_4R_4 + 2C_1L_1g_m + 2C_3C_4R_3R_4g_m\right) + s\left(2C_1 + 2C_3R_3g_m + C_3R_4g_m + 2C_4R_4g_m\right)}$

10.471 INVALID-ORDER-471 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1R_3R_4g_ms^4 + g_m + s^3\left(C_1C_3L_1R_3g_m + C_1C_4L_1R_4g_m\right) + s^2\left(C_1L_1g_m + C_3C_4R_3R_4g_m\right) + s\left(C_3R_3g_m + C_4R_4g_m\right)}{s^4\left(2C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_4g_m\right) + s^3\left(2C_1C_3C_4R_3 + C_1C_3C_4R_3 + C_1C_3L_1g_m + 2C_1C_4L_1g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + 2C_3C_4R_3g_m + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$

10.472 INVALID-ORDER-472 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_4R_3g_ms^5 + C_1C_4L_1L_4g_ms^4 + C_3R_3g_ms + g_m + s^3\left(C_1C_3L_1R_3g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1L_1g_m + C_4L_4g_m\right)}{C_1C_3C_4L_1L_4g_ms^5 + s^4\left(2C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_4\right) + s^3\left(2C_1C_3C_4R_3 + C_1C_3L_1g_m + 2C_1C_4L_1g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$

10.473 INVALID-ORDER-473 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1L_4R_3g_ms^4 + C_1L_1L_4g_ms^3 + C_3L_4R_3g_ms^2 + L_4g_ms}{2C_1C_3C_4L_1L_4R_3g_ms^5 + 2g_m + s^4\left(2C_1C_3C_4L_4R_3 + C_1C_3L_1L_4g_m + 2C_1C_4L_1L_4g_m\right) + s^3\left(2C_1C_3L_1R_3g_m + C_1C_3L_4 + 2C_1C_4L_4 + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_1C_3R_3 + 2C_1L_1g_m + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1C_3R_3g_m + C_4C_4R_3g_m\right) + s^2\left(2C_1C_3R_3 + 2C_4L_4R_3g_m\right) + s^2\left(2C_4C_3R_3 + 2C_4L_4R_3g_m\right) + s^2\left(2C_4C_3R_3 + 2C_4L_4g_m\right) + s^2\left(2C_4C_3R_3 + 2C_4L_4g_m\right) + s^2\left(2C_4C_3R_3g_m\right) + s^2\left(2C_4C_3R_3 + 2C_4L_4g_m\right) + s^2\left(2C_4C_3R_3g_m\right) + s^2\left(2C_4C_3R_3$

10.474 INVALID-ORDER-474 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_4R_3g_ms^5 + g_m + s^4\left(C_1C_3C_4L_1R_3R_4g_m + C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3L_1R_3g_m + C_1C_4L_1R_4g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1L_1g_m + C_3C_4R_3R_4g_m + C_4L_4g_m\right) + s\left(C_3R_3g_m + C_4R_4g_m\right)}{C_1C_3C_4L_1L_4g_ms^5 + s^4\left(2C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_4g_m + C_1C_3C_4R_3 + C_1C_3C_4R_4 + C_1C_3L_4g_m\right) + s^2\left(C_1L_1g_m + C_3C_4R_3R_4g_m + C_4L_4g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_4C_4R_4g_m\right) + s^2\left(C_1C_3C_4R_4g_m\right) + s^2\left(C_1C_3C_4R_4g_m\right)$

10.475 INVALID-ORDER-475 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1L_4R_3R_4g_ms^4 + C_1L_1L_4R_4g_ms^3 + C_3L_4R_3R_4g_ms^2 + L_4R_4g_ms}{2C_1C_3C_4L_1L_4R_3R_4g_ms^5 + 2R_4g_m + s^4\left(2C_1C_3C_4L_4R_3R_4 + 2C_1C_4L_4R_4g_m\right) + s^3\left(2C_1C_3L_1R_3R_4g_m + 2C_1C_4L_4R_4 + 2C_1L_4L_4R_4g_m\right) + s^2\left(2C_1C_3R_3R_4 + 2C_1L_4R_4g_m\right) + s^2\left(2C_1C_3R_4R_4 + 2C_1L_4R_4g_m\right) + s^2\left(2C$

10.476 INVALID-ORDER-476 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_4R_3R_4g_ms^5 + R_4g_m + s^4\left(C_1C_3L_1L_4R_3g_m + C_1C_4L_1L_4R_3g_m + C_1L_1L_4g_m + C_3C_4L_4R_3R_4g_m\right) + s^2\left(C_1L_1R_4g_m + C_3L_4R_3g_m + C_4L_4R_4g_m\right) + s\left(C_3R_3R_4g_m + L_4g_m\right)}{2g_m + s^5\left(2C_1C_3C_4L_1L_4R_3g_m + C_1C_3L_4L_4R_3g_m + C_1C_3L_4R_3g_m + C_1C_3L_4$

10.477 INVALID-ORDER-477 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m}s^{5} + C_{1}C_{4}L_{1}L_{4}R_{4}g_{m}s^{4} + C_{3}R_{3}R_{4}g_{m}s + R_{4}g_{m} + s^{3}\left(C_{1}C_{3}L_{1}R_{3}R_{4}g_{m} + C_{3}C_{4}L_{4}R_{3}R_{4}g_{m}\right) + s^{2}\left(C_{1}L_{1}R_{4}g_{m} + C_{4}L_{4}R_{4}g_{m}\right) + s^{2}\left(C_{1}L_{1}R_{4}g_{m} + C$ $\frac{c_{1}c_{3}c_{4}L_{1}L_{4}r_{3}r_{4}gm^{5}+c_{1}c_{4}L_{2}gm^{5}+c_{1}c_{4}gm^{5}+c_{1}c_{4}L_{4}gm^{5}+c_{1}c_{3}L_{4}gm^{5}+c_{$ **10.478** INVALID-ORDER-478 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$ $H(s) = \frac{C_1C_3L_1L_3R_4g_ms^4 + R_4g_m + s^2\left(C_1L_1R_4g_m + C_3L_3R_4g_m\right)}{2C_1C_3L_1L_3g_ms^4 + 2g_m + s^3\left(C_1C_3L_1R_4g_m + 2C_1C_3L_3\right) + s^2\left(C_1C_3R_4 + 2C_1L_1g_m + 2C_3L_3g_m\right) + s\left(2C_1 + C_3R_4g_m\right)}$ **10.479** INVALID-ORDER-479 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3L_1L_3g_ms^4 + g_m + s^2\left(C_1L_1g_m + C_3L_3g_m\right)}{2C_1C_3C_4L_1L_3g_ms^5 + 2C_1C_3C_4L_3s^4 + s^3\left(C_1C_3L_1g_m + 2C_1C_4L_1g_m + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3 + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}$ 10.480 INVALID-ORDER-480 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3L_1L_3R_4g_ms^4 + R_4g_m + s^2\left(C_1L_1R_4g_m + C_3L_3R_4g_m\right)}{2C_1C_3C_4L_1L_3R_4g_ms^5 + 2g_m + s^4\left(2C_1C_3C_4L_3R_4 + 2C_1C_3L_1L_3g_m\right) + s^3\left(C_1C_3L_1R_4g_m + 2C_1C_3L_3 + 2C_1C_4L_1R_4g_m + 2C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3R_4 + 2C_1L_1g_m + 2C_3L_3g_m\right) + s\left(2C_1 + C_3R_4g_m + 2C_4R_4g_m\right)}$ 10.481 INVALID-ORDER-481 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3C_4L_1L_3R_4g_ms^5 + C_1C_3L_1L_3g_ms^4 + C_4R_4g_ms + g_m + s^3\left(C_1C_4L_1R_4g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1L_1g_m + C_3L_3g_m\right)}{2C_1C_3C_4L_1L_3g_ms^5 + s^4\left(C_1C_3C_4L_1R_4g_m + 2C_1C_3C_4L_3\right) + s^3\left(C_1C_3C_4R_4 + C_1C_3L_1g_m + 2C_1C_4L_1g_m + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}$ 10.482 INVALID-ORDER-482 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^4\left(C_1C_3L_1L_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3L_4g_m\right) + s^2\left(C_1L_1g_m + C_3L_3g_m + C_4L_4g_m\right)}{s^5\left(2C_1C_3C_4L_1L_4g_m + s^4\left(2C_1C_3C_4L_3 + C_1C_3C_4L_4\right) + s^3\left(C_1C_3L_1g_m + 2C_1C_4L_1g_m + 2C_3C_4L_3g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3 + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}$ 10.483 INVALID-ORDER-483 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3L_1L_3L_4g_ms^5 + L_4g_ms + s^3\left(C_1L_1L_4g_m + C_3L_3L_4g_m\right)}{2C_1C_3C_4L_1L_3L_4g_ms^6 + 2C_1C_3C_4L_3L_4s^5 + 2C_1s + 2g_m + s^4\left(2C_1C_3L_1L_3g_m + C_1C_3L_1L_4g_m + 2C_3C_4L_3L_4g_m\right) + s^3\left(2C_1C_3L_3 + C_1C_3L_4 + 2C_1C_4L_4\right) + s^2\left(2C_1L_1g_m + 2C_3L_3g_m + C_3L_4g_m\right)}$ **10.484** INVALID-ORDER-484 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_3C_4L_1L_3L_4g_ms^6 + C_1C_3C_4L_1L_3R_4g_ms^5 + C_4R_4g_ms + g_m + s^4\left(C_1C_3L_1L_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_4L_1R_4g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1L_1g_m + C_3L_3g_m + C_4L_4g_m\right)}{s^5\left(2C_1C_3C_4L_1L_3g_m + C_1C_3C_4L_1L_4g_m\right) + s^4\left(C_1C_3C_4L_1R_4g_m + 2C_1C_3C_4L_3R_4g_m\right) + s^2\left(C_1L_3g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3C_4L_1R_4g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3C_4L_1R_4g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3C_4L_1R_4g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3C_4L_1R_4g_m + C_3C_4L_4R_4g_m\right) + s^2\left(C_1C_3C_4L_4R_4g_m\right) + s^2\left(C_$ 10.485 INVALID-ORDER-485 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $C_1C_3L_1L_3L_4R_4g_ms^5 + L_4R_4g_ms + s^3(C_1L_1L_4R_4g_m + C_3L_3L_4R_4g_m)$ $H(s) = \frac{C_1C_3L_1L_3L_4R_4g_ms + L_4I_{44}g_ms + L_4I_{44}g$ 10.486 INVALID-ORDER-486 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}g_{m}s^{6} + C_{1}C_{3}L_{1}L_{3}L_{4}g_{m}s^{5} + L_{4}g_{m}s + R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{4}g_{m} + C_{3}C_{4}L_{3}L_{4}g_{m}\right) + s^{3}\left(C_{1}L_{1}L_{4}g_{m} + C_{3}L_{3}L_{4}g_{m}\right) + s^{2}\left(C_{1}L_{1}R_{4}g_{m} + C_{3}L_{3}R_{4}g_{m} + C_{4}L_{4}R_{4}g_{m}\right)}{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}g_{m} + s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}L_{4}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{1}L_{4}g_{m} + 2C_{1}C_{3}L_{4} + 2C_{1}C_{3}L_{4}L_{4}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{1}L_{4}g_{m} + 2C_{1}C_{3}L_{4} + 2C_{1}C_{3}L_{4} + 2C_{1}C_{4}L_{4} + C_{3}C_{4}L_{4}R_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{4} + 2C_{1}C_{3}L_{4}R_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{4}R_{4}g_{m}\right) + s^{2}$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_4g_ms^6 + R_4g_m + s^4\left(C_1C_3L_1L_3R_4g_m + C_1C_4L_1L_4R_4g_m + C_3C_4L_3L_4R_4g_m\right) + s^2\left(C_1L_1R_4g_m + C_3L_4R_4g_m + C_4L_4R_4g_m\right)}{2C_1C_3C_4L_1L_3L_4g_ms^6 + 2g_m + s^5\left(2C_1C_3C_4L_1L_4R_4g_m + 2C_1C_3L_4L_4R_4g_m + 2C_1C_4L_1L_4g_m + 2C_1C_4L_1L_4g_m + 2C_1C_4L_1L_4g_m + 2C_1C_4L_1R_4g_m + 2C$

10.488 INVALID-ORDER-488 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$ $H(s) = \frac{C_1L_1L_3R_4g_ms^3 + L_3R_4g_ms}{C_1C_3L_1L_3R_4g_ms^4 + R_4g_m + s^3\left(C_1C_3L_3R_4 + 2C_1L_1L_3g_m\right) + s^2\left(C_1L_1R_4g_m + 2C_1L_3 + C_3L_3R_4g_m\right) + s\left(C_1R_4 + 2L_3g_m\right)}$ **10.489** INVALID-ORDER-489 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1 L_1 L_3 g_m s^3 + L_3 g_m s}{C_1 s + q_m + s^4 \left(C_1 C_3 L_1 L_3 q_m + 2 C_1 C_4 L_1 L_3 q_m \right) + s^3 \left(C_1 C_3 L_3 + 2 C_1 C_4 L_3 \right) + s^2 \left(C_1 L_1 q_m + C_3 L_3 q_m + 2 C_4 L_3 q_m \right)}$ **10.490** INVALID-ORDER-490 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1L_1L_3R_4g_ms^3 + L_3R_4g_ms}{R_4g_m + s^4\left(C_1C_3L_1L_3R_4g_m + 2C_1C_4L_1L_3R_4g_m\right) + s^3\left(C_1C_3L_3R_4 + 2C_1C_4L_3R_4 + 2C_1L_1L_3g_m\right) + s^2\left(C_1L_1R_4g_m + 2C_1L_3 + C_3L_3R_4g_m + 2C_4L_3R_4g_m\right) + s\left(C_1R_4 + 2L_3g_m\right)}$ 10.491 INVALID-ORDER-491 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_1L_3R_4g_ms^4 + C_1L_1L_3g_ms^3 + C_4L_3R_4g_ms^2 + L_3g_ms}{C_1C_3C_4L_1L_3R_4g_ms^5 + g_m + s^4\left(C_1C_3C_4L_3R_4 + C_1C_3L_1L_3g_m + 2C_1C_4L_1L_3g_m\right) + s^3\left(C_1C_3L_3 + C_1C_4L_1R_4g_m + 2C_1C_4L_3 + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_4R_4 + C_1L_1g_m + C_3L_3g_m + 2C_4L_3g_m\right) + s\left(C_1C_4R_4 + C_4R_4g_m\right)}$ 10.492 INVALID-ORDER-492 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_1L_3L_4g_ms^5 + L_3g_ms + s^3\left(C_1L_1L_3g_m + C_4L_3L_4g_m\right)}{C_1C_3C_4L_1L_3L_4g_ms^6 + C_1C_3C_4L_3L_4s^5 + C_1s + g_m + s^4\left(C_1C_3L_1L_3g_m + 2C_1C_4L_1L_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_3L_3 + 2C_1C_4L_3 + C_1C_4L_4\right) + s^2\left(C_1L_1g_m + C_3L_3g_m + 2C_4L_3g_m + C_4L_4g_m\right)}$ **10.493** INVALID-ORDER-493 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ **10.494** INVALID-ORDER-494 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ 10.495 INVALID-ORDER-495 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $H(s) = \frac{C_1L_1L_3L_4R_4g_ms^3 + L_3L_4R_4g_ms}{2L_3R_4g_m + L_4R_4g_m + s^4\left(C_1C_3L_1L_3L_4R_4g_m + 2C_1C_4L_1L_3L_4R_4g_m\right) + s^3\left(C_1C_3L_3L_4R_4 + 2C_1C_4L_3L_4R_4g_m\right) + s^2\left(2C_1L_1L_3R_4g_m + C_1L_1L_4R_4g_m + 2C_1L_3L_4R_4g_m\right) + s\left(2C_1L_3R_4 + C_1L_4R_4g_m\right) + s\left(2C_1L_3R_4 + C_1L_4R_4g_m\right) + s\left(2C_1L_3R_4 + C_1L_4R_4g_m\right) + s\left(2C_1L_3R_4 + C_1L_4R_4g_m\right) + s\left(2C_1L_3R_4g_m\right) + s\left(2C_1L_3R_4g$ 10.496 INVALID-ORDER-496 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_1C_4L_1L_3L_4R_4g_ms^5 + C_1L_1L_3L_4g_ms^4 + L_3L_4g_ms^2 + L_3R_4g_ms + s^3\left(C_1L_1L_3R_4g_m + C_4L_3L_4R_4g_m\right)}{C_1C_3C_4L_1L_3L_4g_ms^6 + R_4g_m + s^5\left(C_1C_3C_4L_3L_4R_4 + C_1C_4L_1L_3L_4g_m\right) + s^4\left(C_1C_3L_1L_3R_4g_m + C_1C_4L_3L_4R_4g_m\right) + s^4\left(C_1C_3L_3L_4R_4g_m + C_3L_3L_4R_4g_m\right) + s^4\left(C_1C_3L_3L_4R_4g_m$ 10.497 INVALID-ORDER-497 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4L_1L_3L_4R_4g_ms^5 + L_3R_4g_ms + s^3\left(C_1L_1L_3R_4g_m + C_4L_3L_4R_4g_m\right)}{C_1C_3C_4L_1L_3L_4R_4g_ms^6 + R_4g_m + s^5\left(C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_1L_3R_4g_m + 2C_1C_4L_1L_3R_4g_m + C_1C_4L_1L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_4g_m + C_4L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_4g_m + C_4L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_$

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10.498 INVALID-ORDER-498 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                              H(s) = \frac{C_1C_3L_1L_3R_4g_ms^4 + C_1C_3L_1R_3R_4g_ms^3 + C_3R_3R_4g_ms + R_4g_m + s^2\left(C_1L_1R_4g_m + C_3L_3R_4g_m\right)}{2C_1C_3L_1L_3g_ms^4 + 2g_m + s^3\left(2C_1C_3L_1R_3g_m + C_1C_3L_1R_4g_m + 2C_1C_3L_3\right) + s^2\left(2C_1C_3R_3 + C_1C_3R_4 + 2C_1L_1g_m + 2C_3L_3g_m\right) + s\left(2C_1 + 2C_3R_3g_m + C_3R_4g_m\right)}
10.499 INVALID-ORDER-499 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                 H(s) = \frac{C_1C_3L_1L_3g_ms^4 + C_1C_3L_1R_3g_ms^3 + C_3R_3g_ms + g_m + s^2\left(C_1L_1g_m + C_3L_3g_m\right)}{2C_1C_3C_4L_1L_3q_ms^5 + s^4\left(2C_1C_3C_4L_1R_3g_m + 2C_1C_3C_4L_3\right) + s^3\left(2C_1C_3C_4R_3 + C_1C_3L_1g_m + 2C_1C_4L_1g_m + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3 + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}
10.500 INVALID-ORDER-500 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
10.501 INVALID-ORDER-501 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                         H(s) = \frac{C_1C_3C_4L_1L_3R_4g_ms^5 + g_m + s^4\left(C_1C_3C_4L_1R_3R_4g_m + C_1C_3L_1L_3g_m\right) + s^3\left(C_1C_3L_1R_3g_m + C_1C_4L_1R_4g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1L_1g_m + C_3C_4R_3R_4g_m + C_3L_3g_m\right) + s\left(C_3R_3g_m + C_4R_4g_m\right)}{2C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_3R_3g_m + C_1C_3C_4R_3 + C_1C_3C_4R_3 + C_1C_3C_4R_3 + C_1C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_3C_4R_3g_m + C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_3C_4R_3g_m + C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_3C_4R_3g_m + C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4R_3g_m + C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4R_3g_m + C_3C_4R_3g_m\right) + s^2\left(C_1C_3C_4R_3g_m\right) + s^2\left(C_1C
10.502 INVALID-ORDER-502 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                     H(s) = \frac{C_1C_3C_4L_1L_3L_4g_ms^6 + C_1C_3C_4L_1L_4R_3g_ms^5 + C_3R_3g_ms + g_m + s^4\left(C_1C_3L_1L_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_3L_1R_3g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1L_1g_m + C_3L_3g_m + C_4L_4g_m\right)}{s^5\left(2C_1C_3C_4L_1L_3g_m + C_1C_3C_4L_1L_3g_m + C_1C_3C_4L_1+ S_3g_m + C_3C_4L_3g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3C_4L_4g_m\right) + 
10.503 INVALID-ORDER-503 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_{1}C_{3}L_{1}L_{3}L_{4}g_{m}s^{5} + C_{1}C_{3}L_{1}L_{4}R_{3}g_{m}s^{4} + C_{3}L_{4}R_{3}g_{m}s^{2} + L_{4}g_{m}s + s^{3}\left(C_{1}L_{1}L_{4}g_{m} + C_{3}L_{3}L_{4}g_{m}\right)
                                     \frac{C_1C_3L_1L_3L_4g_{m}s + C_3L_4L_3g_{m}s + C_3L_4L_4g_{m}s + C_
10.504 INVALID-ORDER-504 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(C_1C_3C_4L_1L_3R_4g_m + C_1C_3C_4L_1L_4R_3g_m\right) + s^4\left(C_1C_3C_4L_1R_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_3L_1R_3g_m + C_1C_4L_1R_4g_m + C_3C_4L_3R_4g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1L_1g_m + C_3C_4R_3R_4g_m + C_1C_4L_1R_4g_m + C_3C_4L_3R_4g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1L_1g_m + C_3C_4R_3R_4g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1L_1g_m + C_3C_4R_3R_4g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_3g_m + C_3C_4L_3R_4g_m + C_3C_4L_3R_4g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_3C_4L_1R_3g_m + C_3C_4L_3R_4g_m + C_3C_4L_3R_4g
10.505 INVALID-ORDER-505 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1C_3L_1L_3L_4R_4g_ms^5 + C_1C_3L_1L_4R_3R_4g_ms^4 + C_3L_4R_3R_4g_ms^4
H(s) = \frac{1}{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{4}g_{m} + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{3}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{3}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{4}g_
10.506 INVALID-ORDER-506 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_4g_ms^6 + R_4g_m + s^5\left(C_1C_3C_4L_1L_4R_3R_4g_m + C_1C_3L_1L_3R_4g_m + C_1C_3L_1L_4R_3g_m + C_1C_4L_1L_4R_4g_m + C_3C_4L_3L_4R_4g_m + s^3\left(C_1C_3L_1R_3R_4g_m + C_1L_1L_4g_m + C_3C_4L_4R_4g_m + C_3C_4L_4R_4g_m + C_3C_4L_4R_4g_m + C_3C_4L_4R_4g_m + C_3C_4L_4R_4g_m + C_3C_4L_4R_4g_m + s^3\left(C_1C_3L_1R_3R_4g_m + C_1L_1L_4g_m + C_3C_4L_4R_4g_m 
10.507 INVALID-ORDER-507 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
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 $\frac{1}{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}q_{m}s^{6} + 2g_{m} + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}q_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}q_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}q_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}q_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}q_{m} + 2C_{1}C_{3}C_{4}L_{4}R_{4}q_{m} + 2C_{1}C_{3}C_{4}L_{4}R_{4}q_{m} + 2C_{1}C_{3}C_{4}L_{4}R_{4}q_{m} + 2C_{1$

 $C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{4}g_{m}s^{6} + C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m}s^{5} + C_{3}R_{3}R_{4}g_{m}s + R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{4}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}g_{m}\right) + C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}g_{m}s^{6} + C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m}s^{5} + C_{3}R_{3}R_{4}g_{m}s + R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{4}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}g_{m}\right) + C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}g_{m}s^{5} + C_{2}R_{3}R_{4}g_{m}s^{5} + C_{3}R_{3}R_{4}g_{m}s^{5} + C_{3}R_{3}R_$

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10.508 INVALID-ORDER-508 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
                                                                                                                                                                         H(s) = \frac{C_1L_1L_3R_3R_4g_ms^3 + L_3R_3R_4g_ms}{C_1C_3L_1L_3R_3R_4g_ms^4 + R_3R_4g_m + s^3\left(C_1C_3L_3R_3R_4 + 2C_1L_1L_3R_3g_m + C_1L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_3R_4g_m + 2C_1L_3R_3 + C_1L_3R_4 + C_3L_3R_3R_4g_m\right) + s\left(C_1R_3R_4 + 2L_3R_3g_m + L_3R_4g_m\right)}
10.509 INVALID-ORDER-509 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                               H(s) = \frac{C_1L_1L_3R_3g_ms^3 + L_3R_3g_ms}{R_3g_m + s^4\left(C_1C_3L_1L_3R_3g_m + 2C_1C_4L_1L_3R_3g_m\right) + s^3\left(C_1C_3L_3R_3 + 2C_1C_4L_3R_3 + C_1L_1L_3g_m\right) + s^2\left(C_1L_1R_3g_m + C_1L_3 + C_3L_3R_3g_m + 2C_4L_3R_3g_m\right) + s\left(C_1R_3 + L_3g_m\right)}
10.510 INVALID-ORDER-510 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
            H(s) = \frac{C_1L_1L_3R_3R_4g_ms^3 + L_3R_3R_4g_ms}{R_3R_4g_m + s^4\left(C_1C_3L_1L_3R_3R_4g_m + 2C_1C_4L_1L_3R_3R_4g_m\right) + s^3\left(C_1C_3L_3R_3R_4 + 2C_1L_4L_3R_3g_m + C_1L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_3R_4g_m + 2C_1L_3R_3 + C_1L_3R_4 + C_3L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m\right) + s\left(C_1R_3R_4 + 2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m\right) + s\left(C_1R_3R_4 + 2C_4L_3R_3R_4g_m + 2C_4L_3R_3R_4g_m\right) + s\left(C_4R_3R_4 + 2C_4L_3R_3R_4g_m\right) + s\left(C_4R_3R_4 + 2C_4L_3R_3R_4g_m\right) + s\left(C_4R_3R_4 + 2C_4L_3R_3R_4g_m\right) + s\left(C_4R_3R_4g_m\right) + s\left(C_4R_4R_4g_m\right) + s\left(C_4
10.511 INVALID-ORDER-511 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_3R_3R_4g_ms^4 + C_1L_1L_3R_3g_ms^3 + C_4L_3R_3R_4g_ms^2 + L_3R_3g_ms}{C_1C_3C_4L_1L_3R_3g_ms^5 + R_3g_m + s^4\left(C_1C_3C_4L_3R_3R_4 + C_1C_4L_1L_3R_3g_m + C_1C_4L_1L_3R_3g_m + C_1C_4L_1R_3R_4g_m\right) + s^3\left(C_1C_3L_3R_3 + C_1C_4L_3R_3 + C_1C_4L
10.512 INVALID-ORDER-512 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_3L_4R_3g_ms^5 + L_3R_3g_ms + s^3\left(C_1L_1L_3R_3g_m + C_4L_3L_4R_3g_m\right)}{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + R_3g_m + s^5\left(C_1C_3C_4L_3L_4R_3 + C_1C_4L_1L_3R_3g_m + C_1C_4L_1L_3R_3g_m + C_1C_4L_1L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m + C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m + C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m + C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m + C_4L_3L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m + C_4L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_3g_m\right
10.513 INVALID-ORDER-513 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                            \frac{C_{1}L_{1}L_{3}L_{4}R_{3}g_{m}s^{3}+L_{3}L_{4}R_{3}g_{m}s}{2L_{3}R_{3}g_{m}+L_{4}R_{3}g_{m}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}\right)+s^{3}\left(C_{1}C_{3}L_{3}L_{4}R_{3}+C_{1}L_{1}L_{3}L_{4}g_{m}\right)+s^{2}\left(2C_{1}L_{1}L_{3}R_{3}g_{m}+C_{1}L_{1}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}+C_{3}L_{4}L_{3}L_{4}R_{3}g_{m}\right)+s\left(2C_{1}L_{3}R_{3}+C_{1}L_{4}R_{3}+L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_{1}L_{4}R_{3}g_{m}+C_
10.514 INVALID-ORDER-514 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_1C_4L_1L_3L_4R_3g_ms^5 + C_1C_4L_1L_3R_3R_4g_ms^4 + C_4L_3R_3R_4g_ms^2 + L_3R_3
H(s) = \frac{C_1C_4L_1L_3L_4R_3g_ms^5 + C_1C_4L_1L_3R_3R_4g_ms^4 + C_4L_3R_3R_4g_ms^4 + C_4L_3R
10.515 INVALID-ORDER-515 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
H(s) = \frac{C_1L_1L_3L_4R_3R_4g_ms^3 + L_3L_4R_3R_4g_ms}{2L_3R_3R_4g_m + L_4R_3R_4g_m + s^4\left(C_1C_3L_1L_3L_4R_3R_4g_m + s^4\left(C_1C_3L_3L_4R_3R_4g_m + s^4\left(
10.516 INVALID-ORDER-516 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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10.517 INVALID-ORDER-517 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4L_1L_3L_4R_3R_4g_ms^6 + R_3R_4g_m + s^5(C_1C_3C_4L_3L_4R_3R_4 + C_1C_4L_1L_3L_4R_3g_m + C_1C_4L_3L_4R_3g_m +$

 $C_1C_4L_1L_3L_4R_3R_4g_ms^5 + C_1L_1L_3L_4$

 $H(s) = \frac{C_1C_4L_1L_3L_4R_3R_4g_ms^5 + L_3R_3R_4g_ms^5 + L_3R_3R_4g_ms + s^3\left(C_1L_1L_3R_3R_4g_ms^5 + L_3R_3R_4g_ms^5 + L_3R_3R_4g_ms + s^3\left(C_1L_1L_3R_3R_4g_ms^5 + L_3R_3R_4g_ms^5 + L_3R_3R$

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H(s) = \frac{C_1C_3L_1L_3R_3R_4g_ms^4 + C_1L_1L_3R_4g_ms^3 + L_3R_4g_ms + R_3R_4g_m + s^2\left(C_1L_1R_3R_4g_m + C_3L_3R_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + C_1C_3L_1L_3R_4g_m\right) + s^3\left(2C_1C_3L_3R_3 + C_1C_3L_3R_3 + C_1C_3L_3R_3 + C_1C_3L_3R_3 + C_1C_3L_3R_3g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_1R_4g_m + 2C_1L_3 + 2C_3L_3R_3g_m + C_3L_3R_4g_m\right) + s^2\left(2C_1R_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_3R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_4g_m + C_3R_4g_m\right) + s^2\left(2C_1R_4g_m + C_3R_4g
10.519 INVALID-ORDER-519 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                            H(s) = \frac{C_1C_3L_1L_3R_3g_ms^4 + C_1L_1L_3g_ms^3 + L_3g_ms + R_3g_m + s^2\left(C_1L_1R_3g_m + C_3L_3R_3g_m\right)}{2C_1C_3C_4L_1L_3R_3g_ms^5 + g_m + s^4\left(2C_1C_3C_4L_3R_3 + C_1C_4L_1L_3g_m + 2C_1C_4L_1R_3g_m + 2C_1C_4L_3R_3g_m\right) + s^2\left(2C_1C_4R_3 + C_1L_1g_m + C_3L_3g_m + 2C_4L_3g_m\right) + s^2\left(2C_1C_4R_3 + C_4L_3g_m + 2C_4L_3g_m\right) + s^2\left(2C_1C_4R_3 + C_4L_3g_m + 2C_4L_3g_m\right) + s^2\left(2C_4C_4R_3 + C_4L_3g_m + 2C_4L_3g_m\right) + s^2\left(2C_4C_4R_3 + C_4L_3g_m + 2C_4L_3g_m\right) + s^2\left(2C_4C_4R_3 + 2C_4L_3g_m + 2C_4L_3g_m\right) + s^2\left(2C_4C_4R_3 + 2C_4C_4R_3g_m\right) + s^2\left(2C_4C_4R_3 + 2C
10.520 INVALID-ORDER-520 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_{1}C_{3}L_{1}L_{3}R_{3}R_{4}g_{m}s^{4} + C_{1}L_{1}L_{3}R_{4}g_{m}s^{3} + L_{3}R_{4}g_{m}s + R_{3}R_{4}g_{m} + s^{2}\left(C_{1}L_{1}R_{3}R_{4}g_{m} + C_{3}L_{3}R_{3}R_{4}g_{m}\right) + C_{3}L_{3}R_{3}R_{4}g_{m}s^{4} + C_{3}L_{3}R_{3}R_{
10.521 INVALID-ORDER-521 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_2 L_2 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3R_3R_4g_ms^5 + R_3g_m + s^4\left(C_1C_3L_1L_3R_3g_m + C_1C_4L_1L_3R_4g_m\right) + s^3\left(C_1C_4L_1R_3R_4g_m + C_3C_4L_3R_3R_4g_m\right) + s^2\left(C_1L_1R_3g_m + C_3L_3R_3g_m + C_4L_3R_4g_m\right) + s\left(C_4R_3R_4g_m + L_3g_m\right)}{g_m + s^5\left(2C_1C_3C_4L_1L_3R_3g_m + C_1C_3L_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_3R_3g_m + C_1C_4L_1L_3g_m\right) + s^3\left(C_1C_3L_3 + 2C_1C_4L_1R_3g_m + C_1C_4L_3R_3g_m + C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m\right) + s^2\left(2C_1C_4R_3 + C_1C_4L_1R_3g_m + C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m\right) + s^2\left(2C_1C_3C_4L_1L_3R_3g_m + C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m\right) + s^2\left(2C_1C_3C_4L_1L_3R_3g_m + C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m\right) + s^2\left(2C_1C_3C_4L_3R_3g_m + C_3C_4L_3R_3g_m\right) + s^2\left(2C_1C_4R_3 + C_3C_4L_3R_3g_m\right
10.522 INVALID-ORDER-522 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + C_1C_4L_1L_3L_4g_ms^5 + L_3g_ms + R_3g_m + s^4\left(C_1C_3L_1L_3R_3g_m + C_1C_4L_1L_4R_3g_m + C_3C_4L_3L_4R_3g_m\right) + s^3\left(C_1L_1L_3g_m + C_4L_3L_4g_m\right) + s^2\left(C_1L_1R_3g_m + C_3L_3R_3g_m + C_4L_4R_3g_m\right)}{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(2C_1C_3C_4L_1L_3R_3g_m + C_1C_4L_1L_3g_m + C_1C_4L_1L_3g_m + C_1C_4L_1L_3g_m + C_1C_4L_1L_3g_m + C_1C_4L_1L_3g_m + C_1C_4L_1L_3g_m + C_1C_4L_1R_3g_m + C_1C_4L_1R_3g
10.523 INVALID-ORDER-523 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m}s^{5} + C_{1}L_{1}L_{3}L_{4}g_{m}s^{4} + L_{3}L_{4}g_{m}s^{2} + L_{4}R_{3}g_{m}s + s^{3}\left(C_{1}L_{1}L_{4}R_{3}g_{m} + C_{3}L_{3}L_{4}R_{3}g_{m}\right)
                                                     \frac{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}s^{6}+2R_{3}g_{m}+s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{3}L_{4}g_{m}\right)+s^{4}\left(2C_{1}C_{3}L_{1}L_{3}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{3}L_{4}+2C_{3}C_{4}L_{3}L_{4}R_{3}g_{m}\right)+s^{3}\left(2C_{1}C_{3}L_{3}L_{4}R_{3}+2C_{1}C_{4}L_{4}L_{3}L_{4}g_{m}+C_{1}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+C_{1}C_{4}L_{4}L_{4}R_{
10.524 INVALID-ORDER-524 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + R_3g_m + s^5\left(C_1C_3C_4L_1L_3R_3R_4g_m + C_1C_4L_1L_3R_4g_m + C_1C_4L_1L_3R_3g_m + C_1C_4L_1L_4R_3g_m + C_3C_4L_3L_4R_3g_m \right) + s^3\left(C_1C_4L_1R_3R_4g_m + C_1L_4L_3g_m + C_3C_4L_3R_3R_4g_m + C_1C_4L_4R_3g_m + C_3C_4L_3R_4g_m + C_3C_4L_3R_4g_m
10.525 INVALID-ORDER-525 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_3L_1L_3L_4R_3R_4g_ms^5 +
H(s) = \frac{1}{2C_1C_3C_4L_1L_3L_4R_3R_4g_m s^6 + 2R_3R_4g_m + s^5\left(2C_1C_3C_4L_3L_4R_3R_4 + 2C_1C_3L_1L_3L_4R_3g_m + C_1C_4L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_1L_3R_3R_4g_m + 2C_1C_4L_1L_4R_3R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_3R_4g_m + 2C_1C_4L_1L_4R_3R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_3R_4g_m + 2C_1C_4L_1L_4R_3R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_3R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_1L_3L_4R_4g_m + s^4\left(2C_1C_3L_4L_4R_4g_m + s^4\left(2C_1C_3L_4L_4R_4R_4g_m + s^4c_1C_3L_4L_4R_4g_m + s^4c_1C_3L_4L_4
10.526 INVALID-ORDER-526 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4}g_{m}s^{6} + R_{3}R_{4}g_{m} + s^{5}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{3}L_{4}R_{4}g_{m}\right) + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m} + C_{1}L_{1}L_{4}R_{3}R_{4}g_{m} + C_{1}L_{1}L_{4}R_{3}R_{4}g_{m}\right) + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m} + C_{1}L_{1}L_{4}R_{3}R_{4}g_{m} + C_{1}L_{1}L_{4}R_{1}R_{2}g_{m} + C_{1}L_{1}L_{4}R_{1}R_{2}g_{m} + C_{1}L_{1}L_{1}L_{2}R_{1}R_{2}g_{m} + C_{1}L_{1}L_{1}L_{2}R_{2}R_{2}g_{m} + C_{1}L_{1}L_{2}R_{2}R_{2}g_{m} + C_{1}L_{1}L_{2}R_{2}R_{2}g_{m} + C_{1}L_{1}L_{2}R_{2}R_{2}g_{m} + C_{1}L_{1}L_{2}R_{2}R_{2}g_{m} + C_{1}L_{1}L_{2}R_{2}R_{2}g_{m} + C_{1}L_{1}L_{2}R_{2}R_{2}g_{m} + C_{1}L_{1}L_{2}R_{2}R_{2}g_
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_m + s^* + R_3R_4g_m + s^* + C_1C_4L_1L_3L_4R_3g_m + C_1C_4L_1L_3R_4R_4g_m + s^* + C_1C_4L_1L_4R_4g_m + s^* + C_1C_4L_1L_4R_4g
10.527 INVALID-ORDER-527 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_1C_3C_4L_1L_3L_4R_3R_4g_ms^6 + C_1C_4L_1L_3L_4R_4g_m
                                                     \frac{1}{2R_3g_m + R_4g_m + s^6\left(2C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3C_4L_1L_3L_4R_4g_m\right) + s^5\left(2C_1C_3C_4L_1L_3R_4g_m + 2C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_1L_3L_4g_m\right) + s^4\left(2C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3L_1L_3R_4g_m + 2C_1C_4L_1L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_1L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_1L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_3L_4R_3\right) + s^4\left(2C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_3L_4R_3 + 2C_1C_3C_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_3L_4R_3 + 2C_1C_3C_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_3L_4R_3 + 2C_1C_3C_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_4L_4R_4\right) + s^4\left(2C_1C_3C_4L_4
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10.518 INVALID-ORDER-518 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$

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H(s) = \frac{C_1C_3L_1L_3R_3R_4g_ms^4 + R_3R_4g_m + s^2\left(C_1L_1R_3R_4g_m + C_3L_3R_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + C_1C_3L_1L_3R_4g_m\right) + s^3\left(C_1C_3L_1R_3R_4g_m + 2C_1C_3L_3R_3 + C_1C_3L_3R_4\right) + s^2\left(C_1C_3R_3R_4 + 2C_1L_1R_3g_m + C_1L_1R_4g_m + 2C_3L_3R_3g_m + C_3L_3R_4g_m\right) + s^2\left(C_1C_3R_3R_4g_m + C_3R_3R_4g_m\right) + s^2\left(C_1C_3R_3R_4g_m + C_3R_3R_4g_m + C_3R_3R_4g_m\right) + s^2\left(C_1R_3R_3R_4g_m + C_3R_3R_4g_m + C_3R_3R_4g_m\right) + s^2\left(C_1R_3R_4g_m + C_3R_3R_4g_m + C_3R_3R_4g_m\right) + s^2\left(C_1R_3R_3R_4g_m + C_3R
10.529 INVALID-ORDER-529 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                       H(s) = \frac{C_1C_3L_1L_3R_3g_ms^4 + R_3g_m + s^2\left(C_1L_1R_3g_m + C_3L_3R_3g_m\right)}{2C_1C_3C_4L_1L_3R_3g_ms^5 + g_m + s^4\left(2C_1C_3C_4L_3R_3 + C_1C_3L_1L_3g_m\right) + s^3\left(C_1C_3L_1R_3g_m + C_1C_3L_3 + 2C_1C_4L_1R_3g_m + 2C_3C_4L_3R_3g_m\right) + s^2\left(C_1C_3R_3 + 2C_1C_4R_3 + C_1L_1g_m + C_3L_3g_m\right) + s\left(C_1 + C_3R_3g_m + 2C_4R_3g_m\right)}
10.530 INVALID-ORDER-530 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                    \frac{C_{1}C_{3}L_{1}L_{3}R_{3}R_{4}g_{m}s^{4}+R_{3}R_{4}g_{m}+s^{2}\left(C_{1}L_{1}R_{3}R_{4}g_{m}+C_{3}L_{3}R_{3}R_{4}g_{m}\right)}{2C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m}+s^{4}\left(2C_{1}C_{3}C_{4}L_{3}R_{3}R_{4}+2C_{1}C_{3}L_{1}L_{3}R_{3}g_{m}+C_{1}C_{3}L_{1}L_{3}R_{4}g_{m}\right)+s^{3}\left(C_{1}C_{3}L_{1}R_{3}R_{4}g_{m}+2C_{1}C_{3}L_{3}R_{3}+2C_{1}C_{4}L_{3}R_{3}R_{4}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{3}R_{4}+2C_{1}C_{3}L_{1}R_{3}R_{4}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{3}g_{m}+C_{1}L_{1}R_{1}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1
10.531 INVALID-ORDER-531 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3R_3R_4g_ms^5 + C_1C_3L_1L_3R_3g_ms^4 + C_4R_3R_4g_ms + R_3g_m + s^3\left(C_1C_4L_1R_3R_4g_m + C_3C_4L_3R_3R_4g_m\right) + s^2\left(C_1L_1R_3g_m + C_3L_3R_3g_m\right)}{g_m + s^5\left(2C_1C_3C_4L_1L_3R_3g_m + C_1C_3L_4L_3R_4g_m\right) + s^4\left(C_1C_3C_4L_1R_3R_4g_m + 2C_1C_3C_4L_3R_3g_m + C_1C_3L_4L_3R_3g_m\right) + s^3\left(C_1C_3C_4L_1R_3g_m + C_1C_3L_4L_3R_3g_m + C_3L_3R_3g_m + C_
10.532 INVALID-ORDER-532 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + R_3g_m + s^4\left(C_1C_3L_1L_3R_3g_m + C_1C_4L_1L_4R_3g_m + C_3C_4L_3L_4R_3g_m\right) + s^2\left(C_1L_1R_3g_m + C_3L_4R_3g_m\right) + s^2\left(C_1L_1R_3g_m + C_4L_4R_3g_m\right)}{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(2C_1C_3C_4L_1L_3R_3g_m + C_1C_3L_4L_4R_3g_m + C_1C_3L_4L_4R_3g_m\right) + s^3\left(C_1C_3L_4L_3R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^4\left(2C_1C_3C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^4\left(2C_1C_3C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^4\left(2C_1C_3C_4L_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^4\left(2C_1C_3C_4L_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3g_m\right) + s^4\left(2C_1C_3C_4L_4R_3g_m + C_4L_4R_3g_m + C_4L_4R_3
10.533 INVALID-ORDER-533 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1L_3L_4R_3g_ms^5 + L_4R_3g_ms + s^3\left(C_1L_1L_4R_3g_m + C_3L_3L_4R_3g_m\right)}{2C_1C_3C_4L_1L_3L_4R_3g_ms^6 + 2R_3g_m + s^5\left(2C_1C_3C_4L_3L_4R_3 + C_1C_3L_1L_3R_3g_m + C_1C_3L_1L_4R_3g_m + C_1C_3L_3L_4R_3g_m\right) + s^4\left(2C_1C_3L_4L_3R_3g_m + C_1C_3L_4R_3g_m + C_1C_3L_4R_3g_m + C_1C_3L_4R_3g_m\right) + s^4\left(2C_1C_3L_4L_4R_3g_m + C_1C_3L_4R_3g_m\right) + s^4\left(2C_1C_3L_4L_4R_3g_m + C_1C_3L_4R_3g_m\right) + s^4\left(2C_1C_3L_4L_4R_3g_m + C_1C_3L_4R_3g_m\right) + s^4\left(2C_1C_3L_4R_3g_m + C_1C_3L_4R_3g_m\right) + s^4\left(2C_1C_3L_4R
10.534 INVALID-ORDER-534 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}s^{6} + C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m}s^{5} + C_{4}R_{3}R_{4}g_{m}s + R_{3}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6}\right) + C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m}s^{5} + C_{4}R_{3}R_{4}g_{m}s + R_{3}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6}\right) + C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m}s^{5} + C_{4}R_{3}R_{4}g_{m}s + R_{3}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6}\right) + C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m}s^{5} + C_{4}R_{3}R_{4}g_{m}s^{5} + C_{4}R_{3}R_{4}g_{m}s^{6} + C_{1}C_{3}L_{1}L_{3}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6} + C_{1}C_{4}L_{1}L_{4}R_{4}g_{m}s^{6} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{6} + 
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + C_1C_3C_4L_1L_3R_3R_4g_ms^5 + C_4R_3R_4g_ms + R_3g_m + s^4\left(C_1C_3L_1L_3R_3g_m + C_1C_4L_1L_4R_3g_m + C_1C_4L_1L_4R_3g_m + C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(2C_1C_3C_4L_1L_3R_3g_m + C_1C_3C_4L_1L_3R_3g_m + C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_1R_3R_4g
10.535 INVALID-ORDER-535 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_1C_3L_1L_3L_4R_3R_4g_ms^5 + L_4R_3R_4g_ms + s^3(C_1L_1)
                                                      \frac{C_1 C_3 L_1 L_3 L_4 R_3 R_4 g_m s + L_4 R_
10.536 INVALID-ORDER-536 Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_1C_3C_4L_1L_3L_4R_3R_4g_ms^6 + C_1C_3L_1L_3L_4R_3g_ms^5 + L_4R_3g_ms^6 + C_1C_3L_1L_3L_4R_3g_ms^6 + L_4R_3g_ms^6 + C_1C_3L_1L_3L_4R_3g_ms^6 + L_4R_3g_ms^6 + L_5R_3g_ms^6 + L_5R_3g_ms
                                                      \frac{c_1c_3c_4L_1L_3L_4R_3g_m + c_1c_3L_4L_3L_4R_3g_m +
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10.528 INVALID-ORDER-528 $Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)$

10.537 INVALID-ORDER-537
$$Z(s) = \left(L_1 s + \frac{1}{C_1 s}, \infty, \frac{R_3(C_3 L_3 s^2 + 1)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4(C_4 L_4 s^2 + 1)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

 $C_1C_3C_4L_1L_3L_4R_3R_4g_1$

 $H(s) = \frac{1}{2R_3g_m + R_4g_m + s^6\left(2C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3C_4L_1L_3L_4R_4g_m\right) + s^5\left(2C_1C_3C_4L_1L_3R_3R_4g_m + C_1C_3C_4L_1L_4R_3R_4g_m + C_1C_3C_4L_3L_4R_3\right) + s^4\left(2C_1C_3C_4L_3L_4R_3R_4 + C_1C_3C_4L_4R_3R_4 + C_1C_3C_4L_$

10.538 INVALID-ORDER-538
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_3 g_m s}{2C_1 C_4 L_1 R_3 s^3 + s^2 (C_1 L_1 + 2C_4 L_1 R_3 g_m) + s (2C_4 R_3 + L_1 g_m) + 1}$$

10.539 INVALID-ORDER-539
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_3 R_4 g_m s}{2C_1 C_4 L_1 R_3 R_4 s^3 + 2R_3 + R_4 + s^2 \left(2C_1 L_1 R_3 + C_1 L_1 R_4 + 2C_4 L_1 R_3 R_4 g_m\right) + s \left(2C_4 R_3 R_4 + 2L_1 R_3 g_m + L_1 R_4 g_m\right)}$$

10.540 INVALID-ORDER-540
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 R_3 R_4 g_m s^2 + L_1 R_3 g_m s}{s^3 \left(2 C_1 C_4 L_1 R_3 + C_1 C_4 L_1 R_4\right) + s^2 \left(C_1 L_1 + 2 C_4 L_1 R_3 q_m + C_4 L_1 R_4 q_m\right) + s \left(2 C_4 R_3 + C_4 R_4 + L_1 q_m\right) + 1}$$

10.541 INVALID-ORDER-541
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_3g_ms^3 + L_1R_3g_ms}{C_1C_4L_1L_4s^4 + s^3\left(2C_1C_4L_1R_3 + C_4L_1L_4g_m\right) + s^2\left(C_1L_1 + 2C_4L_1R_3g_m + C_4L_4\right) + s\left(2C_4R_3 + L_1g_m\right) + 1}$$

10.542 INVALID-ORDER-542
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_4 R_3 g_m s^2}{2C_1 C_4 L_1 L_4 R_3 s^4 + 2R_3 + s^3 \left(C_1 L_1 L_4 + 2C_4 L_1 L_4 R_3 g_m\right) + s^2 \left(2C_1 L_1 R_3 + 2C_4 L_4 R_3 + L_1 L_4 g_m\right) + s \left(2L_1 R_3 g_m + L_4\right)}$$

10.543 INVALID-ORDER-543
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_3g_ms^3 + C_4L_1R_3R_4g_ms^2 + L_1R_3g_ms}{C_1C_4L_1L_4s^4 + s^3\left(2C_1C_4L_1R_3 + C_1C_4L_1R_4 + C_4L_1L_4g_m\right) + s^2\left(C_1L_1 + 2C_4L_1R_3g_m + C_4L_1R_4g_m + C_4L_4\right) + s\left(2C_4R_3 + C_4R_4 + L_1g_m\right) + 1}$$

10.544 INVALID-ORDER-544
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_4 R_3 R_4 g_m s^2}{2 C_1 C_4 L_1 L_4 R_3 R_4 s^4 + 2 R_3 R_4 + s^3 \left(2 C_1 L_1 L_4 R_3 + C_1 L_1 L_4 R_4 + 2 C_4 L_1 L_4 R_3 R_4 g_m\right) + s^2 \left(2 C_1 L_1 R_3 R_4 + 2 C_4 L_4 R_3 R_4 + 2 L_1 L_4 R_3 g_m + L_1 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 + L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_3 R_4 + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_3 R_4 g_m + 2 L_4 R_4 g_m\right) + s \left(2 L_1 R_$$

10.545 INVALID-ORDER-545
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_3R_4g_ms^3 + L_1L_4R_3g_ms^2 + L_1R_3R_4g_ms}{2R_3 + R_4 + s^4\left(2C_1C_4L_1L_4R_3 + C_1C_4L_1L_4R_4\right) + s^3\left(C_1L_1L_4 + 2C_4L_1L_4R_3g_m + C_4L_1L_4R_4g_m\right) + s^2\left(2C_1L_1R_3 + C_1L_1R_4 + 2C_4L_4R_3 + C_4L_4R_4 + L_1L_4g_m\right) + s\left(2L_1R_3g_m + L_1R_4g_m + L_4\right)}$$

10.546 INVALID-ORDER-546
$$Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \ \infty, \ R_3, \ \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s^2+1}, \ \infty, \ \infty\right)$$

$$H(s) = \frac{C_4L_1L_1R_3R_1g_ms^3 + L_1R_2R_4g_ms}{2R_3 + R_4 + s^4(2C_1C_4L_1L_4R_3 + C_1C_4L_1L_4R_4) + s^3(2C_1C_4L_1L_4R_3g_m + C_4L_4L_4R_4g_m) + s^2(2C_1L_1R_3 + C_1L_4R_4 + 2C_4L_1R_3R_4g_m + 2C_4L_4R_3 + C_4L_4R_4) + s(2C_4R_3R_4 + 2L_4R_3g_m + L_4R_4g_m)}$$
10.547 INVALID-ORDER-547 $Z(s) = \left(\frac{L_1s}{C_1L_4s^2+1}, \ \infty, \ \frac{1}{C_3s}, \ R_4, \ \infty, \ \infty\right)$

$$H(s) = \frac{L_1R_4g_ms}{C_1C_3L_1R_4s^3 + s^2(2C_1L_1 + C_3L_1R_4g_m) + s(C_3R_4 + 2L_4g_m) + s}$$
10.548 INVALID-ORDER-548 $Z(s) = \left(\frac{L_1s}{C_1L_4s^2+1}, \ \infty, \ \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right)$

$$H(s) = \frac{L_1R_4g_ms}{s^3(C_1C_3L_1R_4 + 2C_1C_4L_1R_4) + s^2(2C_1L_1 + C_3L_1R_4g_m) + s(C_3R_4 + 2C_4R_4 + 2L_4g_m) + s}$$
10.549 INVALID-ORDER-549 $Z(s) = \left(\frac{L_1s}{C_1L_4s^2+1}, \ \infty, \ \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ \infty, \ \infty\right)$

10.549 INVALID-ORDER-549
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 R_4 g_m s + L_1 g_m}{C_1 C_3 C_4 L_1 R_4 s^3 + C_3 + 2C_4 + s^2 \left(C_1 C_3 L_1 + 2C_1 C_4 L_1 + C_3 C_4 L_1 R_4 g_m\right) + s \left(C_3 C_4 R_4 + C_3 L_1 g_m + 2C_4 L_1 g_m\right)}$$

10.550 INVALID-ORDER-550
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_4 g_m s^2 + L_1 g_m}{C_1 C_3 C_4 L_1 L_4 s^4 + C_3 C_4 L_1 L_4 g_m s^3 + C_3 + 2C_4 + s^2 \left(C_1 C_3 L_1 + 2C_1 C_4 L_1 + C_3 C_4 L_4\right) + s \left(C_3 L_1 g_m + 2C_4 L_1 g_m\right)}$$

10.551 INVALID-ORDER-551
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_4 g_m s^2}{2L_1 g_m s + s^4 \left(C_1 C_3 L_1 L_4 + 2C_1 C_4 L_1 L_4\right) + s^3 \left(C_3 L_1 L_4 g_m + 2C_4 L_1 L_4 g_m\right) + s^2 \left(2C_1 L_1 + C_3 L_4 + 2C_4 L_4\right) + 2c_4 L_4 + 2c$$

10.552 INVALID-ORDER-552
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4 L_1 L_4 g_m s^2 + C_4 L_1 R_4 g_m s + L_1 g_m}{C_1 C_3 C_4 L_1 L_4 s^4 + C_3 + 2 C_4 + s^3 \left(C_1 C_3 C_4 L_1 R_4 + C_3 C_4 L_1 L_4 g_m\right) + s^2 \left(C_1 C_3 L_1 + 2 C_1 C_4 L_1 + C_3 C_4 L_1 R_4 g_m + C_3 C_4 L_4\right) + s \left(C_3 C_4 R_4 + C_3 L_1 g_m + 2 C_4 L_1 g_m\right)}$$

10.553 INVALID-ORDER-553
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 L_4 R_4 g_m s^2}{2R_4 + s^4 \left(C_1 C_3 L_1 L_4 R_4 + 2C_1 C_4 L_1 L_4 R_4\right) + s^3 \left(2C_1 L_1 L_4 + C_3 L_1 L_4 R_4 g_m + 2C_4 L_1 L_4 R_4 g_m\right) + s^2 \left(2C_1 L_1 R_4 + C_3 L_4 R_4 + 2C_4 L_4 R_4 + 2L_1 L_4 g_m\right) + s \left(2L_1 R_4 g_m + 2L_4\right)}$$

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10.556 INVALID-ORDER-556 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                H(s) = \frac{L_1 R_3 R_4 g_m s}{C_1 C_3 L_1 R_3 R_4 s^3 + 2 R_3 + R_4 + s^2 \left(2 C_1 L_1 R_3 + C_1 L_1 R_4 + C_3 L_1 R_3 R_4 g_m\right) + s \left(C_3 R_3 R_4 + 2 L_1 R_3 g_m + L_1 R_4 g_m\right)}
10.557 INVALID-ORDER-557 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                            H(s) = \frac{L_1 R_3 g_m s}{s^3 \left(C_1 C_3 L_1 R_3 + 2 C_1 C_4 L_1 R_3\right) + s^2 \left(C_1 L_1 + C_3 L_1 R_3 g_m + 2 C_4 L_1 R_3 g_m\right) + s \left(C_3 R_3 + 2 C_4 R_3 + L_1 g_m\right) + 1}
10.558 INVALID-ORDER-558 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                          H(s) = \frac{L_1 R_3 R_4 g_m s}{2 R_3 + R_4 + s^3 \left( C_1 C_3 L_1 R_3 R_4 + 2 C_1 C_4 L_1 R_3 R_4 \right) + s^2 \left( 2 C_1 L_1 R_3 + C_1 L_1 R_4 + C_3 L_1 R_3 R_4 g_m + 2 C_4 L_1 R_3 R_4 g_m \right) + s \left( C_3 R_3 R_4 + 2 C_4 R_3 R_4 + 2 L_1 R_3 g_m + L_1 R_4 g_m \right)}{2 R_3 + R_4 + s^3 \left( C_1 C_3 L_1 R_3 R_4 + 2 C_1 C_4 L_1 R_3 R_4 \right) + s^2 \left( 2 C_1 L_1 R_3 + C_1 L_1 R_4 + C_3 L_1 R_3 R_4 g_m + 2 C_4 L_1 R_3 R_4 g_m \right) + s \left( C_3 R_3 R_4 + 2 C_4 R_3 R_4 + 2 L_1 R_3 g_m + L_1 R_4 g_m \right)}
10.559 INVALID-ORDER-559 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                   H(s) = \frac{C_4 L_1 R_3 R_4 g_m s^2 + L_1 R_3 g_m s}{C_1 C_3 C_4 L_1 R_3 R_4 s^4 + s^3 \left(C_1 C_3 L_1 R_3 + 2 C_1 C_4 L_1 R_3 + C_1 C_4 L_1 R_4 + C_3 C_4 L_1 R_3 R_4 g_m\right) + s^2 \left(C_1 L_1 + C_3 C_4 R_3 R_4 + C_3 L_1 R_3 g_m + 2 C_4 L_1 R_3 g_m + C_4 L_1 R_4 g_m\right) + s \left(C_3 R_3 + 2 C_4 R_3 + C_4 R_4 + L_1 g_m\right) + 1}
10.560 INVALID-ORDER-560 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                              10.561 INVALID-ORDER-561 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                     H(s) = \frac{L_1 L_4 R_3 g_m s^2}{2 R_3 + s^4 \left( C_1 C_3 L_1 L_4 R_3 + 2 C_1 C_4 L_1 L_4 R_3 \right) + s^3 \left( C_1 L_1 L_4 + C_3 L_1 L_4 R_3 g_m + 2 C_4 L_1 L_4 R_3 g_m \right) + s^2 \left( 2 C_1 L_1 R_3 + C_3 L_4 R_3 + 2 C_4 L_4 R_3 + L_1 L_4 g_m \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1 R_3 g_m + L_4 \right) + s \left( 2 L_1
10.562 INVALID-ORDER-562 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_4L_1L_4R_3g_ms^3 + C_4L_1R_3R_4g_ms^2 + L_1R_3g_ms}{C_1C_3C_4L_1L_4R_3s^5 + s^4\left(C_1C_3C_4L_1R_3R_4 + C_1C_4L_1L_4 + C_3C_4L_1R_3 + 2C_1C_4L_1R_3 + C_1C_4L_1R_4 + C_3C_4L_1R_3R_4g_m + C_3C_4L_1R_3R_4g_m + C_3C_4L_1R_3g_m + C_4L_1R_3g_m + C_4L_1R_3g
10.563 INVALID-ORDER-563 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                 H(s) = \frac{L_1L_4R_3R_4g_ms^2}{2R_3R_4 + s^4\left(C_1C_3L_1L_4R_3R_4 + 2C_1C_4L_1L_4R_3R_4\right) + s^3\left(2C_1L_1L_4R_3 + C_1L_1L_4R_3 + C_3L_1L_4R_3R_4g_m + 2C_4L_1L_4R_3R_4 + C_3L_4R_3R_4 + 2C_4L_4R_3R_4 + 2C_4L_4R_4 +
10.564 INVALID-ORDER-564 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_4 L_1 L_4 R_3 R_4 g_m s^3 + L_1 L_4 R_3 g_m s^2 + L_1 R_3 R_4 g_m s}{C_1 C_3 C_4 L_1 L_4 R_3 R_4 s^5 + 2 R_3 + R_4 + s^4 \left(C_1 C_3 L_1 L_4 R_3 + C_1 C_4 L_1 L_4 R_3 + C_1 C_4 L_1 L_4 R_3 R_4 g_m\right) + s^3 \left(C_1 C_3 L_1 R_3 R_4 + C_1 L_1 L_4 + C_3 C_4 L_4 R_3 R_4 + C_4 L_1 L_4 R_3 g_m + C_4 L_4 R_4 g_m + C_4 
10.565 INVALID-ORDER-565 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
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 $\frac{C_4L_1L_4R_3R_4g_ms}{C_1C_3C_4L_1L_4R_3R_4s^5 + 2R_3 + R_4 + s^4\left(2C_1C_4L_1L_4R_3 + C_1C_4L_1L_4R_3 + C_3C_4L_1L_4R_3R_4g_m\right) + s^3\left(C_1C_3L_1R_3R_4 + 2C_4L_1L_4R_3g_m + C_4L_1L_4R_3g_m + C_4L_1L_4R_3g_m + C_4L_1L_4R_3g_m + C_4L_1L_4R_3g_m + C_4L_1R_3R_4g_m\right) + s^2\left(2C_1L_1R_3 + C_1L_1R_4 + C_3L_1R_3R_4g_m + 2C_4L_1R_3R_4g_m + 2C$

 $C_4 L_1 L_4 R_3 R_4 g_m s^3 + L_1 R_3 R_4 g_m s$

10.566 INVALID-ORDER-566 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$ $H(s) = \frac{C_3L_1R_3R_4g_ms^2 + L_1R_4g_ms}{s^3\left(2C_1C_3L_1R_3 + C_1C_3L_1R_4\right) + s^2\left(2C_1L_1 + 2C_3L_1R_3g_m + C_3L_1R_4g_m\right) + s\left(2C_3R_3 + C_3R_4 + 2L_1g_m\right) + 2C_3R_3R_4g_ms^2}$ **10.567** INVALID-ORDER-567 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1R_3g_ms + L_1g_m}{2C_1C_3C_4L_1R_3s^3 + C_3 + 2C_4 + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m\right) + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}$ **10.568** INVALID-ORDER-568 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1R_3R_4g_ms^2 + L_1R_4g_ms}{2C_1C_3C_4L_1R_3R_4s^4 + s^3\left(2C_1C_3L_1R_3 + C_1C_3L_1R_4 + 2C_3C_4L_1R_3R_4g_m\right) + s^2\left(2C_1L_1 + 2C_3C_4R_3R_4 + 2C_3L_1R_3g_m + C_3L_1R_4g_m\right) + s\left(2C_3R_3 + C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2C_3C_4R_3R_4g_m + C_3C_4R_3R_4g_m + C_3C_4R_3R_4g_m + C_3C_4R_3R_4g_m\right) + s\left(2C_3R_3 + C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2C_3C_4R_3R_4g_m + C_3C_4R_3R_4g_m + C_3C_4R_3R_4g_m$ **10.569** INVALID-ORDER-569 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1R_3R_4g_ms^2 + L_1g_m + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right)}{C_3 + 2C_4 + s^3\left(2C_1C_3C_4L_1R_3 + C_1C_3C_4L_1R_4\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m + C_3C_4L_1R_4g_m\right) + s\left(2C_3C_4R_3 + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$ 10.570 INVALID-ORDER-570 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_4R_3g_ms^3 + C_3L_1R_3g_ms + C_4L_1L_4g_ms^2 + L_1g_m}{C_1C_3C_4L_1L_4s^4 + C_3 + 2C_4 + s^3\left(2C_1C_3C_4L_1R_3 + C_3C_4L_1L_4g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m + C_3C_4L_4\right) + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}$ 10.571 INVALID-ORDER-571 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1L_4R_3g_ms^3 + L_1L_4g_ms^2}{2C_1C_3C_4L_1L_4R_3s^5 + s^4\left(C_1C_3L_1L_4 + 2C_1C_4L_1L_4 + 2C_3C_4L_1L_4R_3g_m\right) + s^3\left(2C_1C_3L_1R_3 + 2C_3C_4L_4R_3 + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_1L_1 + 2C_3L_1R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_1g_m\right) + 2C_3C_3C_4L_4R_3s^5 + s^4\left(C_3C_3L_4L_4 + 2C_3C_4L_4L_4R_3g_m\right) + s^3\left(2C_3C_4L_4R_3 + 2C_3C_4L_4R_3 + 2C_4L_4L_4g_m\right) + s^2\left(2C_4L_4 + 2C_3L_4R_3g_m + C_3L_4 + 2C_4L_4\right) + s\left(2C_3R_3 + 2L_4g_m\right) + s^2\left(2C_4L_4R_3g_m\right) + s^2\left(2$ 10.572 INVALID-ORDER-572 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_4R_3g_ms^3 + L_1g_m + s^2\left(C_3C_4L_1R_3R_4g_m + C_4L_1L_4g_m\right) + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right)}{C_1C_3C_4L_1L_4s^4 + C_3 + 2C_4 + s^3\left(2C_1C_3C_4L_1R_3 + C_1C_3C_4L_1L_4g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m + C_3C_4L_4\right) + s\left(2C_3C_4R_3 + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$ 10.573 INVALID-ORDER-573 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1L_4R_3R_4g_ms^3 + L_1L_4R_4g_ms^2}{2C_1C_3C_4L_1L_4R_3R_4s^5 + 2R_4 + s^4\left(2C_1C_3L_1L_4R_3 + C_1C_3L_1L_4R_4 + 2C_3C_4L_1L_4R_3R_4g_m\right) + s^3\left(2C_1C_3L_1R_3R_4 + 2C_3L_1L_4R_3g_m + C_3L_1L_4R_4g_m\right) + s^2\left(2C_1L_1R_4 + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m + C_3L_1L_4R_4g_m\right) + s^2\left(2C_1L_1R_4 + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m + C_3L_1L_4R_4g_m\right) + s^2\left(2C_1L_1R_4 + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m\right) + s^2\left(2C_1L_1R_4 + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m\right) + s^2\left(2C_1L_1R_4 + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m + 2C_3L_1L_4R_3g_m\right) + s^2\left(2C_1L_1R_4 + 2C_3L_1R_3g_m\right) + s^2\left(2C_$ 10.574 INVALID-ORDER-574 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_4R_3R_4g_ms^4 + L_1R_4g_ms + s^3\left(C_3L_1L_4R_3g_m + C_4L_1L_4R_4g_m\right) + s^2\left(C_3L_1R_3R_4g_m + L_1L_4g_m\right)}{s^5\left(2C_1C_3C_4L_1L_4R_3 + C_1C_3C_4L_1L_4R_4\right) + s^4\left(C_1C_3L_1L_4 + 2C_3C_4L_1L_4R_3g_m + C_3L_4L_4R_3g_m + C_3L_4R_3 + C_3C_4L_4R_3 + C_3C_4L_4R_4 + C_3L_4L_4g_m\right) + s^2\left(2C_1L_1 + 2C_3L_1R_3g_m + C_3L_1R_4g_m + C_3L_4R_4g_m\right) + s^2\left(2C_1L_1 + 2C_3L_1R_3g_m + C_3L_4R_4g_m\right) + s^2\left(2C_1L_1 + 2C_3L_4R_3g_m + C_3L_4R_4g_m\right) + s^2\left(2C_1L_4R_3g_m + C_3L_4R_4g_m\right) + s^2\left(2C_1L_4R_4g_m\right) + s^2\left$ 10.575 INVALID-ORDER-575 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$ $C_3C_4L_1L_4R_3R_4g_ms^4 + C_3L_1R_3R_4g_ms^2 + C_4L_1L_4R_4g_ms^3 + L_1R_4g_ms^4$ $\frac{1}{s^5 \left(2 C_1 C_3 C_4 L_1 L_4 R_3 + C_1 C_3 C_4 L_1 L_4 R_4 + 2 C_1 C_4 L_1 L_4 + 2 C_3 C_4 L_1 L_4 R_3 q_m + C_3 C_4 L_1 L_4 R_3 q_m + 2 C_3 C_4 L_1 R_3 R_4 + 2 C_1 C_4 L_1 L_4 R_3 q_m + 2 C_3 C_4 L_1 R_3 R_4 + 2 C_1 C_4 L_1 L_4 R_3 q_m + 2 C_3 C_4 L_1 R_3 R_4 q_m + 2 C_3 C_4 R_3 R_4$ **10.576** INVALID-ORDER-576 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$ 10.577 INVALID-ORDER-577 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3 L_1 L_3 g_m s^2 + L_1 g_m}{2C_1 C_3 C_4 L_1 L_3 s^4 + 2C_3 C_4 L_1 L_3 g_m s^3 + C_3 + 2C_4 + s^2 \left(C_1 C_3 L_1 + 2C_1 C_4 L_1 + 2C_3 C_4 L_3 \right) + s \left(C_3 L_1 g_m + 2C_4 L_1 g_m \right)}$ 10.578 INVALID-ORDER-578 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1L_3R_4g_ms^3 + L_1R_4g_ms}{2C_1C_3C_4L_1L_3R_4s^5 + s^4\left(2C_1C_3L_1L_3 + 2C_3C_4L_1L_3R_4g_m\right) + s^3\left(C_1C_3L_1R_4 + 2C_1C_4L_1R_4 + 2C_3C_4L_3R_4 + 2C_3L_1L_3g_m\right) + s^2\left(2C_1L_1 + C_3L_1R_4g_m + 2C_3L_3 + 2C_4L_1R_4g_m\right) + s\left(C_3R_4 + 2C_4R_4 + 2L_1g_m\right) + 2C_3C_4L_3R_4g_m + 2C_3L_3R_4g_m + 2C_3L_3R_4g_m\right) + s^2\left(2C_3L_3R_4g_m + 2C_3L_3R_4g_m\right) + s$ **10.579** INVALID-ORDER-579 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3R_4g_ms^3 + C_3L_1L_3g_ms^2 + C_4L_1R_4g_ms + L_1g_m}{2C_1C_3C_4L_1L_3s^4 + C_3 + 2C_4 + s^3\left(C_1C_3C_4L_1R_4 + 2C_3C_4L_1L_3g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + C_3C_4L_1R_4g_m + 2C_3C_4L_3\right) + s\left(C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$ **10.580** INVALID-ORDER-580 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + L_1g_m + s^2\left(C_3L_1L_3g_m + C_4L_1L_4g_m\right)}{C_3 + 2C_4 + s^4\left(2C_1C_3C_4L_1L_3 + C_1C_3C_4L_1L_4\right) + s^3\left(2C_3C_4L_1L_3g_m + C_3C_4L_1L_4g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_3 + C_3C_4L_4\right) + s\left(C_3L_1g_m + 2C_4L_1g_m\right)}$ **10.581** INVALID-ORDER-581 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{C_3L_1L_3L_4g_ms^4 + L_1L_4g_ms^2}{2C_1C_3C_4L_1L_3L_4s^6 + 2C_3C_4L_1L_3L_4g_ms^5 + 2L_1g_ms + s^4\left(2C_1C_3L_1L_3 + C_1C_3L_1L_4 + 2C_1C_4L_1L_4 + 2C_3C_4L_3L_4\right) + s^3\left(2C_3L_1L_3g_m + C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_1L_1 + 2C_3L_3 + C_3L_4 + 2C_4L_4\right) + 2C_3C_4L_3L_4g_ms^4 + 2C_4L_4L_4g_m\right) + s^2\left(2C_4L_4L_4g_m + 2C_4L_4L_4g_m\right) + s^2\left(2C_4L_4L$ 10.582 INVALID-ORDER-582 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + C_3C_4L_1L_3R_4g_ms^3 + C_4L_1R_4g_ms + L_1g_m + s^2\left(C_3L_1L_3g_m + C_4L_1L_4g_m\right)}{C_3 + 2C_4 + s^4\left(2C_1C_3C_4L_1L_3 + C_1C_3C_4L_1L_4\right) + s^3\left(C_1C_3C_4L_1L_3g_m + C_3C_4L_1L_4g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + C_3C_4L_1R_4g_m + 2C_3C_4L_3 + C_3C_4L_4\right) + s\left(C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}$

10.583 INVALID-ORDER-583 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{C_3L_1L_3L_4R_4g_ms^4 + L_1L_4R_4g_ms^2}{2C_1C_3C_4L_1L_3L_4R_4s^6 + 2R_4 + s^5\left(2C_1C_3L_1L_3L_4 + 2C_3C_4L_1L_3L_4R_4g_m\right) + s^4\left(2C_1C_3L_1L_3R_4 + C_1C_3L_1L_4R_4 + 2C_3C_4L_1L_4R_4 + 2C_3C_4L_1L_3R_4g_m\right) + s^2\left(2C_1L_1L_4 + 2C_3L_1L_3R_4g_m\right) + s^2\left(2C_1L_1R_4 + 2C_1L_1R_4g_m\right) + s^2\left(2C_1L_1R_4 + 2C_1L_1R_4g_m\right) + s^2\left(2C_1L_1R_4 + 2C_1L_1R_4g_m\right) + s^2\left(2C_1L_1R_4 + 2C_1L_1R_4g_m\right) + s^$$

10.584 INVALID-ORDER-584 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_3C_4L_1L_3L_4R_4g_ms^5 + C_3L_1L_3L_4g_ms^4 + L_1L_4g_ms^2 + L_1R_4g_ms + s^3\left(C_3L_1L_3R_4g_m + C_4L_1L_4R_4g_m\right)}{2C_1C_3C_4L_1L_3L_4s^6 + s^5\left(C_1C_3C_4L_1L_4R_4 + 2C_3C_4L_1L_4R_4 + 2C_3C_4L_1L_4 + C_3C_4L_1L_4R_4g_m + 2C_3C_4L_3L_4\right) + s^3\left(C_1C_3L_1R_4 + C_3C_4L_1L_4R_4 + 2C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_1L_1 + C_3L_1R_4g_m + 2C_3L_4L_4R_4 + 2C_3C_4L_4R_4 + 2C_3L_4L_4R_4 + 2C_3L_4L_4$$

10.585 INVALID-ORDER-585
$$Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_3C_4L_1L_3L_4R_4g_ms^5 + L_1R_4g_ms + s^3\left(C_3L_1L_3R_4g_m + C_4L_1L_4R_4g_m\right)}{2C_1C_3C_4L_1L_3L_4s^6 + s^5\left(2C_1C_3C_4L_1L_3R_4 + C_1C_3C_4L_1L_3L_4g_m\right) + s^4\left(2C_1C_3L_1L_3 + 2C_1C_4L_1L_4 + 2C_3C_4L_1L_3R_4g_m + C_3C_4L_3L_4\right) + s^3\left(C_1C_3L_1R_4 + 2C_3C_4L_1R_4 + 2C_3C_4L_3R_4 + C_3C_4L_4R_4 + 2C_3L_4L_3R_4g_m\right)}$$

10.586 INVALID-ORDER-586 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 R_4 g_m s^2}{C_1 C_3 L_1 L_3 R_4 s^4 + R_4 + s^3 \left(2 C_1 L_1 L_3 + C_3 L_1 L_3 R_4 g_m\right) + s^2 \left(C_1 L_1 R_4 + C_3 L_3 R_4 + 2 L_1 L_3 g_m\right) + s \left(L_1 R_4 g_m + 2 L_3\right)}$ **10.587** INVALID-ORDER-587 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 g_m s^2}{L_1 g_m s + s^4 (C_1 C_3 L_1 L_3 + 2 C_1 C_4 L_1 L_3) + s^3 (C_3 L_1 L_3 g_m + 2 C_4 L_1 L_3 g_m) + s^2 (C_1 L_1 + C_3 L_3 + 2 C_4 L_3) + 1}$ **10.588** INVALID-ORDER-588 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 R_4 g_m s^2}{R_4 + s^4 \left(C_1 C_3 L_1 L_3 R_4 + 2 C_1 C_4 L_1 L_3 R_4\right) + s^3 \left(2 C_1 L_1 L_3 + C_3 L_1 L_3 R_4 g_m + 2 C_4 L_1 L_3 R_4 g_m\right) + s^2 \left(C_1 L_1 R_4 + C_3 L_3 R_4 + 2 C_4 L_3 R_4 + 2 L_1 L_3 g_m\right) + s \left(L_1 R_4 g_m + 2 L_3 L_3 R_4 + 2 C_4 L_3 R_4 + 2 C_4$ **10.589** INVALID-ORDER-589 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4L_1L_3R_4g_ms^3 + L_1L_3g_ms^2}{C_1C_3C_4L_1L_3R_4s^5 + s^4\left(C_1C_3L_1L_3 + 2C_1C_4L_1L_3 + C_3C_4L_1L_3R_4g_m\right) + s^3\left(C_1C_4L_1R_4 + C_3C_4L_3R_4 + C_3L_1L_3g_m\right) + s^2\left(C_1L_1 + C_3L_3 + C_4L_1R_4g_m + 2C_4L_3\right) + s\left(C_4R_4 + L_1g_m\right) + 1}$ **10.590** INVALID-ORDER-590 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_4L_1L_3L_4g_ms^4 + L_1L_3g_ms^2}{C_1C_3C_4L_1L_3L_4s^6 + C_3C_4L_1L_3L_4g_ms^5 + L_1g_ms + s^4\left(C_1C_3L_1L_3 + 2C_1C_4L_1L_3 + C_1C_4L_1L_4 + C_3C_4L_3L_4\right) + s^3\left(C_3L_1L_3g_m + 2C_4L_1L_3g_m + C_4L_1L_4g_m\right) + s^2\left(C_1L_1 + C_3L_3 + 2C_4L_3 + C_4L_4\right) + 1}$ 10.591 INVALID-ORDER-591 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$ $H(s) = \frac{L_1L_3L_4g_ms^2}{2L_3 + L_4 + s^4\left(C_1C_3L_1L_3L_4 + 2C_1C_4L_1L_3L_4\right) + s^3\left(C_3L_1L_3L_4g_m + 2C_4L_1L_3L_4g_m\right) + s^2\left(2C_1L_1L_3 + C_1L_1L_4 + C_3L_3L_4 + 2C_4L_3L_4\right) + s\left(2L_1L_3g_m + L_1L_4g_m\right)}{s^2}$ **10.592** INVALID-ORDER-592 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ **10.593** INVALID-ORDER-593 $Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)$ $H(s) = \frac{L_1 L_3 L_4 R_4 g_m s^2}{2 L_3 R_4 + L_4 R_4 + s^4 \left(C_1 C_3 L_1 L_3 L_4 R_4 + 2 C_1 C_4 L_1 L_3 L_4 R_4\right) + s^3 \left(2 C_1 L_1 L_3 L_4 + C_3 L_1 L_3 L_4 R_4 g_m + 2 C_4 L_1 L_3 L_4 R_4 g_m\right) + s^2 \left(2 C_1 L_1 L_3 R_4 + C_1 L_1 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 R_4 + C_1 L_1 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + C_3 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + C_3 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 + 2 C_4 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4 R_4\right) + s^2 \left(2 C_1 L_1 L_3 L_4\right) + s^2 \left(2 C_1 L_$ 10.594 INVALID-ORDER-594 $Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)$ 10.595 INVALID-ORDER-595 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $\frac{C_4L_1L_3L_4R_4g_ms^4 + L_1L_3R_4g_ms^2}{C_1C_3C_4L_1L_3L_4R_4s^6 + R_4 + s^5\left(2C_1C_4L_1L_3L_4 + C_3C_4L_1L_3L_4R_4g_m\right) + s^4\left(C_1C_3L_1L_3R_4 + C_1C_4L_1L_3R_4 + C_1C_4L_1L_3R_4 + C_3C_4L_1L_3R_4g_m\right) + s^3\left(2C_1L_1L_3 + C_3L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m\right) + s^2\left(C_1L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m\right) + s^2\left(C_1L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_1L_3R_4g_m + 2C_4L_3L_4R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_3L_4R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_3L_4R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_4L_4R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_4L_4R_4g_m\right) + s^2\left(C_1L_1R_4 + C_3C_4L_4L_$

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H(s) = \frac{C_3L_1L_3R_4g_ms^3 + C_3L_1R_3R_4g_ms^2 + L_1R_4g_ms}{2C_1C_3L_1L_3s^4 + s^3\left(2C_1C_3L_1R_3 + C_1C_3L_1R_4 + 2C_3L_1L_3g_m\right) + s^2\left(2C_1L_1 + 2C_3L_1R_3g_m + C_3L_1R_4g_m + 2C_3L_3\right) + s\left(2C_3R_3 + C_3R_4 + 2L_1g_m\right) + 2C_3R_3R_4g_ms^2 + C_3R_4g_ms^2 + C_3R_4g_ms^2
10.597 INVALID-ORDER-597 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                  H(s) = \frac{C_3L_1L_3g_ms^2 + C_3L_1R_3g_ms + L_1g_m}{2C_1C_3C_4L_1L_3s^4 + C_3 + 2C_4 + s^3\left(2C_1C_3C_4L_1R_3 + 2C_3C_4L_1L_3g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m + 2C_3C_4L_3\right) + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}{s^2C_1C_3C_4L_1L_3s^4 + C_3 + 2C_4C_4L_1R_3 + 2C_3C_4L_1L_3g_m\right) + s^2\left(2C_3C_4L_1R_3g_m + 2C_3C_4L_1R_3g_m + 2C_3C_4L_3\right) + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}
10.598 INVALID-ORDER-598 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_1L_3R_4g_ms^3 + C_3L_1R_3R_4g_ms^2 + L_1R_4g_ms}{2C_1C_3C_4L_1L_3R_4s^5 + s^4\left(2C_1C_3C_4L_1R_3R_4 + 2C_1C_3L_1L_3 + 2C_3C_4L_1R_3R_4g_m\right) + s^3\left(2C_1C_3L_1R_3 + C_1C_3L_1R_4 + 2C_3C_4L_1R_3R_4g_m\right) + s^2\left(2C_1L_1 + 2C_3C_4R_3R_4 + 2C_3L_1R_3g_m + C_3L_1R_4g_m\right) + s^2\left(2C_1L_1 + 2C_3C_4R_3R_4 + 2C_3L_1R_3g_m\right) 
10.599 INVALID-ORDER-599 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                 H(s) = \frac{C_3C_4L_1L_3R_4g_ms^3 + L_1g_m + s^2\left(C_3C_4L_1R_3R_4g_m + C_3L_1L_3g_m\right) + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right)}{2C_1C_3C_4L_1L_3s^4 + C_3 + 2C_4 + s^3\left(2C_1C_3C_4L_1R_3 + C_1C_3C_4L_1R_3g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m + C_3C_4L_1R_4g_m + 2C_3C_4L_3\right) + s\left(2C_3C_4R_3 + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right)}
10.600 INVALID-ORDER-600 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                            H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + C_3C_4L_1L_4R_3g_ms^3 + C_3L_1R_3g_ms + L_1g_m + s^2\left(C_3L_1L_3g_m + C_4L_1L_4g_m\right)}{C_3 + 2C_4 + s^4\left(2C_1C_3C_4L_1L_3 + C_1C_3C_4L_1L_4\right) + s^3\left(2C_1C_3C_4L_1R_3 + 2C_3C_4L_1L_4g_m\right) + s^2\left(C_1C_3L_1 + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m + 2C_3C_4L_3 + C_3C_4L_4\right) + s\left(2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right)}
10.601 INVALID-ORDER-601 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_3L_1L_3L_4g_ms^4 + C_3L_1L_4R_3g_ms^3 + L_1L_4g_ms^2
H(s) = \frac{C_3L_1L_3L_4g_ms^2 + C_3L_1L_4n_3g_ms^3 + L_1L_4g_ms}{2C_1C_3C_4L_1L_3L_4s^6 + s^5\left(2C_1C_3C_4L_1L_4R_3 + 2C_3C_4L_1L_4 + 2C_3C_4L_1L_4 + 2C_3C_4L_1L_4R_3g_m + 2C_3C_4L_3L_4\right) + s^3\left(2C_1C_3L_1R_3 + 2C_3C_4L_4R_3 + 2C_3L_4L_4g_m + 2C_4L_1L_4g_m + 2C_4L_4L_4g_m + 2C_4L_4L_4g_
10.602 INVALID-ORDER-602 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4g_ms^4 + L_1g_m + s^3\left(C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_4R_3g_m\right) + s^2\left(C_3C_4L_1R_3R_4g_m + C_3L_1L_3g_m + C_4L_1L_4g_m\right) + s\left(C_3L_1R_3g_m + C_4L_1R_4g_m\right) + s\left(C_
10.603 INVALID-ORDER-603 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       H(s) = \frac{\frac{1}{3}C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{4}s^{6} + 2R_{4} + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{2}g_{m}\right) + s^{4}\left(2C_{1}C_{3}L_{1}L_{3}L_{4}R_{3} + 2C_{1}C_{3}L_{1}L_{4}R_{3} + 2C_{1}C_{3}L_{1}L_{4}R_{4} + 2C_{3}C_{4}L_{1}L_{4}R_{3}R_{4} + 2C_{3}C_{4}L_{1}L_{4}R_{4}R_{4} + 2C_{3}C_{4}L_{1}L_{4}R_{4} + 2C_{3}C_{4}L_{4}L_{4}R_{4} + 2C_{3}C_{4}L_{4}L_{4}R_{4} + 2C_{3}C_{4}L_{4}L_{4}R_{4} + 2C_{3}C_{4}L_{4}L_{4}R_{4} + 2C_{3}C_{4}L_{4}L_{4}R_{4} + 2C_{3}C_{4}L_{4}L_{4}R_{4} + 2C_{3}C_{4}L_{4}L_{4}R_{4
10.604 INVALID-ORDER-604 Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_4g_ms^5 + L_1R_4g_ms + s^4\left(C_3C_4L_1L_4R_3R_4g_m + C_3L_1L_3L_4g_m\right) + s^3\left(C_3L_1L_3R_4g_m + C_3L_1L_4R_3g_m + C_4L_1L_4R_4g_m\right) + s^2\left(C_3L_1R_3R_4g_m + C_3L_4R_3g_m + C_4L_4R_4g_m\right) + s^2\left(C_3L_4R_3R_4g_m + C_3L_4R_4g_m\right) + s^2\left(C_3L_4R_4R_4g_m + C_3L_4R_4g_m + C_3L_4R_4g_m\right) + s^2\left(C_3L_4R_4g_m + C_3L_4R_4g_m\right) + s
10.605 INVALID-ORDER-605 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_3C_4L_1L_3L_4R_4g_ms^5 + C_3C_4L_1L_4R_3R_4g_ms^4 + C_3L_1R_3R_4g_ms^5
                                          \frac{2C_1C_3C_4L_1L_3L_4s^6 + s^5\left(2C_1C_3C_4L_1L_3R_4 + 2C_1C_3C_4L_1L_4R_3 + C_1C_3C_4L_1L_4R_4 + 2C_3C_4L_1L_3R_4 + 2C_1C_3L_1L_3 + 2C_1C_4L_1L_4R_3q_m + 2C_3C_4L_1L_4R_3q_m + 2C_3C_4L_1L_3R_4q_m + 2C_3C_4L_1L_4R_3q_m + 2C_3C_4L_1L_4R_3q_m
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10.596 INVALID-ORDER-596 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)$

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H(s) = \frac{L_1 L_3 R_3 R_4 g_m s^2}{C_1 C_3 L_1 L_3 R_3 R_4 s^4 + R_3 R_4 + s^3 \left(2 C_1 L_1 L_3 R_3 + C_1 L_1 L_3 R_4 + C_3 L_1 L_3 R_3 R_4 g_m\right) + s^2 \left(C_1 L_1 R_3 R_4 + C_3 L_3 R_3 R_4 + 2 L_1 L_3 R_3 g_m + L_1 L_3 R_4 g_m\right) + s \left(L_1 R_3 R_4 g_m + 2 L_3 R_3 + L_3 R_4\right)}
10.607 INVALID-ORDER-607 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                     10.608 INVALID-ORDER-608 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                        H(s) = \frac{L_1 L_3 R_3 R_4 g_m s^2}{R_3 R_4 + s^4 \left(C_1 C_3 L_1 L_3 R_3 R_4 + 2 C_1 C_4 L_1 L_3 R_3 R_4\right) + s^3 \left(2 C_1 L_1 L_3 R_3 + C_1 L_1 L_3 R_4 + C_3 L_1 L_3 R_3 R_4 g_m + 2 C_4 L_1 L_3 R_3 R_4 + 2 C_4 L_3 R_3 R_4 + 2 L_1 L_3 R_3 g_m + L_1 L_3 R_4 g_m \right) + s \left(L_1 R_3 R_4 g_m + 2 L_3 R_3 R_4 + 2 C_4 L_3 R_3 R_4 + 2 L_1 L_3 R_3 g_m + L_1 L_3 R_4 g_m \right) + s \left(L_1 R_3 R_4 g_m + 2 L_3 R_3 R_4 + 2 L_1 L_3 R_3 R_4 + 2 L_1 L_3 R_3 g_m + L_1 L_3 R_4 g_m \right) + s \left(L_1 R_3 R_4 g_m + 2 L_3 R_3 R_4 + 2 L_1 L_3 R_3 R_4 \right)
10.609 INVALID-ORDER-609 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                   \frac{C_4L_1L_3R_3R_4g_ms^3 + L_1L_3R_3g_ms^2}{C_1C_3C_4L_1L_3R_3 + C_1C_4L_1L_3R_3 + C_1C_4L_1L_3R_4 + C_3C_4L_1L_3R_4 + C_1L_1L_3 + C_3C_4L_1L_3R_3g_m + C_4L_1L_3R_3g_m + C_4
10.610 INVALID-ORDER-610 Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
10.611 INVALID-ORDER-611 Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                            H(s) = \frac{L_1L_3L_4R_3g_ms^2}{2L_3R_3 + L_4R_3 + s^4\left(C_1C_3L_1L_3L_4R_3 + 2C_1C_4L_1L_3L_4R_3\right) + s^3\left(C_1L_1L_3L_4R_3g_m + 2C_4L_1L_3L_4R_3g_m\right) + s^2\left(2C_1L_1L_3R_3 + C_1L_1L_4R_3 + C_3L_3L_4R_3 + 2C_4L_3L_4R_3 + L_1L_3L_4g_m\right) + s\left(2L_1L_3R_3g_m + L_1L_4R_3g_m + L_3L_4\right)}
10.612 INVALID-ORDER-612 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_4L_1L_3L_4R_3g_ms^4 + C_4L_1L_3R_3R_4g_ms^3 + L_1L_3R_3g_ms^2
H(s) = \frac{C_4 L_1 L_3 L_4 R_3 g_m s + C_4 L_1 L_3 R_4 g_m s + C_4 L_4 L_4 R_3 g_m s + C_4 L_4 L_4 R_3 g_m s + C_4 L_4 L_4 R_4 g_m s + C_4 L_4 L_4 R_4
10.613 INVALID-ORDER-613 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
10.614 INVALID-ORDER-614 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_4L_1L_3L_4R_3R_4g_ms^5 + C_4L_1L_3L_4R_3R_4s^6 + R_3R_4 + s^5\left(C_1C_3L_1L_3L_4R_3 + C_1C_4L_1L_3L_4R_3 + C_1C_4L_1L_3L_4R_3R_4 + C_1C_4L_1L_3L_4R_3R_4 + C_1L_4L_3L_4R_3R_4 + C_1L_4L_4R_3R_4 + C_1L_4L_4R_4R_4 + C_1L_4L_4R_4 + C_1L_4L_4R_4 + C_1L_4L_4R_4 + C_1L_4L_4R_4 + C_1L_4L_4R_4 + C_
10.615 INVALID-ORDER-615 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_4L_1L_3L_4R_3R_4g_ms^4 + L_1L_3R_3R_4g_ms^2
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10.606 INVALID-ORDER-606 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)$

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H(s) = \frac{C_3L_1L_3R_3g_ms^3 + L_1L_3g_ms^2 + L_1R_3g_ms}{2C_1C_3C_4L_1L_3R_3s^5 + s^4\left(C_1C_3L_1L_3 + 2C_1C_4L_1L_3 + 2C_3C_4L_1L_3R_3g_m\right) + s^3\left(2C_1C_4L_1R_3 + 2C_3C_4L_1R_3g_m + 2C_4L_1L_3g_m\right) + s^2\left(C_1L_1 + C_3L_3 + 2C_4L_1R_3g_m + 2C_4L_3\right) + s\left(2C_4R_3 + L_1g_m\right) + 1}{2C_3C_4L_3R_3s^5 + s^4\left(C_3C_4L_1L_3 + 2C_3C_4L_1L_3R_3g_m\right) + s^3\left(2C_3C_4L_1R_3g_m + 2C_4L_1L_3g_m\right) + s^2\left(C_3C_4L_1R_3g_m + 2C_4L_1R_3g_m + 2C_4L_3R_3g_m\right) + s^2\left(C_3C_4L_1R_3g_m + 2C_4L_3R_3g_m\right) + s^2\left(C_3C_4L_3R_3g_m + 2C_4L_3R_3g_m\right) + s^2\left(C_3C_4L_3R_3g_m\right) + s^2
10.618 INVALID-ORDER-618 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_3L_1L_3R_3R_4g_ms^3 + L_1L_3R_4g_ms^2 + L_1R_3R_4g_ms^3
H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1L_3R_4g_ms^3 + L_1L_3R_4g_ms^4 + L_1R_3R_4g_ms^4}{2C_1C_3L_1L_3R_3R_4s^5 + 2R_3 + R_4 + s^4\left(2C_1C_3L_1L_3R_3 + C_1C_4L_1L_3R_4 + 2C_3C_4L_1L_3R_3R_4g_m\right) + s^3\left(2C_1C_4L_1R_3R_4 + 2C_1L_1L_3 + 2C_3C_4L_1R_3R_4 + 2C_4L_1L_3R_4g_m\right) + s^2\left(2C_1L_1R_3 + C_4L_1L_3R_4g_m\right) + s^2\left(2C_1L_1R_3 + C_4L_1L_
10.619 INVALID-ORDER-619 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                             \frac{C_{3}C_{4}L_{1}L_{3}R_{3}g_{m}s^{4}+L_{1}R_{3}g_{m}s+s^{3}\left(C_{3}L_{1}L_{3}R_{3}g_{m}+C_{4}L_{1}L_{3}R_{4}g_{m}\right)+s^{2}\left(C_{4}L_{1}R_{3}R_{4}g_{m}+L_{1}L_{3}g_{m}\right)}{s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}+C_{4}C_{4}L_{1}L_{3}+2C_{4}C_{4}L_{1}L_{3}+2C_{3}C_{4}L_{1}L_{3}R_{3}g_{m}+C_{3}C_{4}L_{1}R_{3}+C_{1}C_{4}L_{1}R_{3}+C_{2}C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3
10.620 INVALID-ORDER-620 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + C_4L_1L_3L_4g_ms^4 + L_1L_3g_ms^2 + L_1R_3g_ms + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_4R_3g_m\right)}{C_1C_3C_4L_1L_3L_4s^6 + s^5\left(2C_1C_3C_4L_1L_3R_3 + C_3C_4L_1L_3R_3 + C_3C_4L_1L_3
10.621 INVALID-ORDER-621 Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_3L_1L_3L_4R_3g_ms^4 + L_1L_3L_4g_ms^3 + L_1L_4R_3g_ms^2
                                             10.622 INVALID-ORDER-622 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + L_1R_3g_ms + s^4\left(C_3C_4L_1L_3R_4g_m + C_4L_1L_3R_4g_m + C_4L_1L
10.623 INVALID-ORDER-623 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
H(s) = \frac{\frac{1}{3}L_{1}L_{3}L_{4}R_{3}R_{4}s^{6} + 2R_{3}R_{4} + s^{5}\left(2C_{1}C_{3}L_{1}L_{3}L_{4}R_{3} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{4} + 2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4} + 2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4} + 2C_{1}L_{1}L_{3}L_{4}R_{3}R_{4} + 2C_{1}L_{1}L_{3}L_{4}R_{3}R
10.624 INVALID-ORDER-624 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_3C_4L_1L_3L_4R_3R_4g_ms^5 + L_1R_3R_4g_ms + s^4(C_3L_1L_3L_4R_3g_m + C_4L_1L_3L_4R_4g_ms^5)
H(s) = \frac{C_3C_4L_1L_3L_4R_3 + C_1C_3C_4L_1L_3L_4R_3 + C_1C_3L_1L_3L_4R_3 + C_1C_3L_1L_3L_4R_3 + C_1C_3L_1L_3L_4R_3 + C_1C_3L_1L_3L_4R_3 + C_1C_4L_1L_3L_4R_3 + C_1C_4L_3L_4R_3 + C_1C
10.625 INVALID-ORDER-625 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                             \frac{2R_3 + R_4 + s^6 \left(2C_1C_3C_4L_1L_3L_4R_3 + C_1C_3L_4L_3L_4R_4\right) + s^5 \left(2C_1C_3C_4L_1L_3R_4 + 2C_1C_4L_1L_3L_4 + 2C_3C_4L_1L_3L_4R_4g_m\right) + s^4 \left(2C_1C_3L_1L_3R_4 + 2C_1C_4L_1L_3R_4 + 2C_1C_4L_1L_4R_4 + 2C_3C_4L_1L_3R_4 + 2C_1C_4L_1L_3R_4 + 2C_1C_4L_1L_3R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     119
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 $H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1L_3R_4g_ms^2 + L_1R_3R_4g_ms}{2R_3 + R_4 + s^4\left(2C_1C_3L_1L_3R_3 + C_1C_3L_1L_3R_4\right) + s^3\left(2C_1L_1L_3 + 2C_3L_1L_3R_3g_m + C_3L_1L_3R_4g_m\right) + s^2\left(2C_1L_1R_3 + C_1L_1R_4 + 2C_3L_3R_3 + C_3L_3R_4 + 2L_1L_3g_m\right) + s\left(2L_1R_3g_m + L_1R_4g_m + 2L_3\right)}$

10.616 INVALID-ORDER-616 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)$

10.617 INVALID-ORDER-617 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$

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H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1R_3R_4g_ms}{2R_3 + R_4 + s^4\left(2C_1C_3L_1L_3R_3 + C_1C_3L_1L_3R_4\right) + s^3\left(C_1C_3L_1R_3R_4 + 2C_3L_1L_3R_3g_m + C_3L_1L_3R_4g_m\right) + s^2\left(2C_1L_1R_3 + C_1L_1R_4 + C_3L_1R_3R_4g_m + 2C_3L_3R_3 + C_3L_3R_4\right) + s\left(C_3R_3R_4 + 2L_1R_3g_m + L_1R_4g_m\right)}
10.627 INVALID-ORDER-627 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                H(s) = \frac{C_3L_1L_3R_3g_ms^3 + L_1R_3g_ms}{2C_1C_3C_4L_1L_3R_3s^5 + s^4\left(C_1C_3L_1L_3 + 2C_3C_4L_1L_3R_3g_m\right) + s^3\left(C_1C_3L_1R_3 + 2C_1C_4L_1R_3 + 2C_3C_4L_1R_3g_m\right) + s^2\left(C_1L_1 + C_3L_1R_3g_m + C_3L_3 + 2C_4L_1R_3g_m\right) + s\left(C_3R_3 + 2C_4R_3 + L_1g_m\right) + 1}{2C_1C_3C_4L_1L_3R_3s^5 + s^4\left(C_1C_3L_1L_3 + 2C_3C_4L_1L_3R_3g_m\right) + s^3\left(C_1C_3L_1R_3 + 2C_4C_4L_1R_3 + 2C_3C_4L_1R_3g_m\right) + s^2\left(C_1L_1 + C_3L_1R_3g_m + C_3L_3 + 2C_4L_1R_3g_m\right) + s^2\left(C_3R_3 + 2C_4R_3 + L_1g_m\right) + 1}{2C_3C_4L_1L_3R_3s^5 + s^4\left(C_3C_3L_1L_3 + 2C_3C_4L_1L_3R_3g_m\right) + s^3\left(C_3C_3L_1R_3 + 2C_3C_4L_1R_3g_m\right) + s^3\left(C_3C_3L_1R_3 + 2C
10.628 INVALID-ORDER-628 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_1L_3R_3R_4g_ms^3 + L_1R_3R_4g_ms}{2C_1C_3C_4L_1L_3R_3R_4s^5 + 2R_3 + R_4 + s^4\left(2C_1C_3L_1L_3R_3 + C_1C_3L_1L_3R_4 + 2C_3C_4L_1R_3R_4 + 2C_3C_4L_1R_3R_4 + 2C_3C_4L_1R_3R_4 + 2C_3L_1L_3R_3g_m + C_3L_1L_3R_3g_m + s^2\left(2C_1L_1R_3 + C_1L_1R_4 + C_3L_1R_3R_4g_m + 2C_3L_3R_3 + 2C_
10.629 INVALID-ORDER-629 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                          \frac{C_{3}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m}s^{4}+C_{3}L_{1}L_{3}R_{3}g_{m}s^{3}+C_{4}L_{1}R_{3}R_{4}g_{m}s^{2}+L_{1}R_{3}g_{m}s}{s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}+C_{1}C_{3}L_{1}L_{3}+2C_{3}C_{4}L_{1}L_{3}R_{3}g_{m}+C_{3}C_{4}L_{1}R_{3}+C_{1}C_{4}L_{1}R_{3}+C_{1}C_{4}L_{1}R_{3}+C_{2}C_{4}L_{1}R_{3}R_{4}+C_{3}L_{1}L_{3}g_{m}\right)+s^{2}\left(C_{1}L_{1}+C_{3}C_{4}L_{1}R_{3}+C_{1}C_{4}L_{1}R_{3}+C_{1}C_{4}L_{1}R_{3}+C_{2}C_{4}L_{1}R_{3}+C_{3}C_{4}L_{1}R_{3}R_{4}+C_{3}L_{1}L_{3}g_{m}\right)+s^{2}\left(C_{1}L_{1}+C_{3}C_{4}L_{1}R_{3}+C_{1}C_{4}L_{1}R_{3}+C_{1}C_{4}L_{1}R_{3}+C_{2}C_{4}L_{1}R_{3}+C_{2}C_{4}L_{1}R_{3}+C_{2}C_{4}L_{1}R_{3}+C_{4}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{3}R_{4}+C_{5}L_{1}R_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}R_{5}+C_{5}L_{5}+C_{5}L_{5}+C_{5}L_{5}+C_{5}L_{5}+C_{5}L_{5}+C_{5}L_{5}+C_{5}L_{5}+C_
10.630 INVALID-ORDER-630 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + L_1R_3g_ms + s^3\left(C_3L_1L_3R_3g_m + C_4L_1L_4R_3g_m\right)}{C_1C_3C_4L_1L_3L_4s^6 + s^5\left(2C_1C_3C_4L_1L_3R_3 + C_1C_3C_4L_1L_4R_3 + C_3C_4L_1L_4R_3 + C_3C_4L_1L_4R_3g_m + C_3C_4L_1L_4R_3g_m + C_3C_4L_1L_4R_3 + C_3C_4L_4L_4R_3 + C_3
10.631 INVALID-ORDER-631 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_1L_3L_4R_3g_ms^4 + L_1L_4R_3g_ms^2}{2C_1C_3C_4L_1L_3L_4R_3s^6 + 2R_3 + s^5\left(C_1C_3L_1L_3L_4 + 2C_3C_4L_1L_3L_4R_3g_m\right) + s^4\left(2C_1C_3L_1L_3R_3 + C_1C_3L_1L_4R_3 + 2C_3C_4L_3L_4R_3 + 2C_3C_4L_3L_4R_3 + C_3L_1L_3R_3g_m + C_3L_1L_4R_3g_m\right) + s^2\left(2C_1L_1R_3 + 2C_3C_4L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_1L_1R_3 + 2C_3C_4L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_1L_3R_3 + 2C_3C_4L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_4R_3 + 2C_3C_4L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_4R_3 + 2C_3C_4L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_3L_4R_3g_m\right) + s^2\left(2C_3L_3L_
10.632 INVALID-ORDER-632 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_3C_4L_1L_3L_4R_3g_ms^5 + C_3C_4L_1L_3R_3R_4g_ms^4 + C_4L_1R_3R_4g_ms^2 + L_1R_3g_ms^2
H(s) = \frac{C_3C_4L_1L_3L_4R_3g_ms^5 + C_3C_4L_1L_3R_4g_ms^4 + C_4L_1R_3R_4g_ms^2 + L_1R_3g_m}{C_1C_3C_4L_1L_3L_4s^6 + s^5\left(2C_1C_3C_4L_1L_3R_3 + C_1C_3C_4L_1L_3R_4 + C_1C_3C_4L_1L_3R_4 + C_1C_3L_4L_3R_4 + C_1C_3L_4L_3R_4 + C_3C_4L_1L_3R_3g_m + C_3C_4L_3L_3g_m + C_3C_
10.633 INVALID-ORDER-633 Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_3L_1L_3L_4R_3R_4g_ms^4 + L_1L_4R_3R_4g_ms^2
                                          \frac{C_3L_1L_3L_4R_3R_4y_ms}{2C_1C_3C_4L_1L_3L_4R_3R_4s^6 + 2R_3R_4 + s^5\left(2C_1C_3L_1L_3L_4R_3 + C_1C_3L_1L_3L_4R_3R_4 + 2C_3C_4L_1L_4R_3R_4 + 2C_3C_4L_4L_4R_3R_4 + 2C_3C_4L_4L_4R_3R_4 + 2C_3C_4L_4L_4R_3R_4 + 2C_3C_4L_4L_4R_4R_4 + 2C_3C_4L_4L_4R_4 + 2C_3C_4L_4L_4R_4 + 2C_3C_4L_4L_4R_4 + 2C_3C_4L_4L_4R_4 + 2C
10.634 INVALID-ORDER-634 Z(s) = \left(\frac{L_1s}{C_1L_1s^2+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
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10.626 INVALID-ORDER-626 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)$

10.635 INVALID-ORDER-635 $Z(s) = \left(\frac{L_1 s}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

 $H(s) = \frac{1}{2R_3 + R_4 + s^6 \left(2C_1C_3C_4L_1L_3L_4R_3 + C_1C_3C_4L_1L_3L_4R_4\right) + s^5 \left(2C_1C_3C_4L_1L_3R_3R_4 + C_1C_3C_4L_1L_3R_3R_4 + C_1C_3C_4L_1L_3R_3R_4 + C_1C_3L_4L_3R_3R_4 + C_1C_3L_4L_4R_3R_4 + C_1C_3L_4L_4R_4 + C_1C_3L_4L_$

10.636 INVALID-ORDER-636 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1L_1R_3g_ms^2 + C_1R_1R_3g_ms + R_3g_m}{2C_1C_4L_1R_3g_ms^3 + g_m + s^2\left(2C_1C_4R_1R_3g_m + 2C_1C_4R_3 + C_1L_1g_m\right) + s\left(C_1R_1g_m + C_1 + 2C_4R_3g_m\right)}$$

10.637 INVALID-ORDER-637 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1L_1R_3R_4g_ms^2 + C_1R_1R_3R_4g_ms + R_3R_4g_m}{2C_1C_4L_1R_3R_4g_ms^3 + 2R_3g_m + R_4g_m + s^2\left(2C_1C_4R_1R_3R_4g_m + 2C_1C_4R_3R_4 + 2C_1L_1R_3g_m + C_1L_1R_4g_m\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3 + C_1R_4 + 2C_4R_3R_4g_m\right)}$$

10.638 INVALID-ORDER-638 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_4L_1R_3R_4g_ms^3 + R_3g_m + s^2\left(C_1C_4R_1R_3R_4g_m + C_1L_1R_3g_m\right) + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{g_m + s^3\left(2C_1C_4L_1R_3g_m + C_1C_4L_1R_4g_m\right) + s^2\left(2C_1C_4R_1R_3g_m + C_1C_4R_1R_4g_m + 2C_1C_4R_3 + C_1C_4R_4 + C_1L_1g_m\right) + s\left(C_1R_1g_m + C_1 + 2C_4R_3g_m + C_4R_4g_m\right)}$$

10.639 INVALID-ORDER-639 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_4L_1L_4R_3g_ms^4 + C_1C_4L_4R_1R_3g_ms^3 + C_1R_1R_3g_ms + R_3g_m + s^2\left(C_1L_1R_3g_m + C_4L_4R_3g_m\right)}{C_1C_4L_1L_4g_ms^4 + g_m + s^3\left(2C_1C_4L_1R_3g_m + C_1C_4L_4R_1g_m + C_1C_4L_4\right) + s^2\left(2C_1C_4R_1R_3g_m + 2C_1C_4R_3 + C_1L_1g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_1 + 2C_4R_3g_m\right)}$$

10.640 INVALID-ORDER-640 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1L_1L_4R_3g_ms^3 + C_1L_4R_1R_3g_ms^2 + L_4R_3g_ms}{2C_1C_4L_1L_4R_3g_ms^4 + 2R_3g_m + s^3\left(2C_1C_4L_4R_1R_3g_m + 2C_1C_4L_4R_3 + C_1L_1L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4R_1g_m + C_1L_4 + 2C_4L_4R_3g_m\right) + s\left(2C_1R_1R_3g_m + 2C_1R_3 + L_4g_m\right)}$$

10.641 INVALID-ORDER-641 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_4L_1L_4R_3g_ms^4 + R_3g_m + s^3\left(C_1C_4L_1R_3R_4g_m + C_1C_4L_4R_1R_3g_m\right) + s^2\left(C_1C_4R_1R_3R_4g_m + C_1L_1R_3g_m + C_4L_4R_3g_m\right) + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{C_1C_4L_1L_4g_ms^4 + g_m + s^3\left(2C_1C_4L_1R_3g_m + C_1C_4L_1R_4g_m + C_1C_4L_4\right) + s^2\left(2C_1C_4R_1R_3g_m + C_1C_4R_1R_4g_m + 2C_1C_4R_3 + C_1C_4R_4 + C_1L_1g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_1C_4L_1R_3g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_1C_4L_1R_3g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_4R_3g_m + C_4R_3g_m\right) + s\left(C_1R_1g_m + C_4R_3g_m\right) + s\left(C_1R_1g_m$$

10.642 INVALID-ORDER-642 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

$$H(s) = \frac{C_1L_1L_4R_3R_4g_ms^3 + C_1L_4R_1R_3R_4g_ms^2 + L_4R_3R_4g_ms}{2C_1C_4L_1L_4R_3R_4g_m + s^3\left(2C_1C_4L_4R_1R_3R_4g_m + 2C_1L_4L_4R_3g_m + C_1L_4L_4R_3g_m + C_1L_4R_1R_3g_m + C_1L_4R_$$

10.643 INVALID-ORDER-643 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

$$H(s) = \frac{C_1C_4L_1L_4R_3R_4g_m + s^3\left(C_1C_4L_4R_1R_3R_4g_m + C_1L_1L_4R_3g_m\right) + s^2\left(C_1L_1R_3R_4g_m + C_4L_4R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + L_4R_3g_m\right)}{2R_3g_m + R_4g_m + s^4\left(2C_1C_4L_1L_4R_3g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_3g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4R_3g_m + C_1L_4R_3g_m + C_1L_4R_3g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4R_3g_m\right) + s^2\left(2C_1L_4R_3g_m\right) + s^2\left(2C_1$$

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10.644 INVALID-ORDER-644 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_3R_4g_ms^4 + C_1C_4L_4R_1R_3R_4g_ms^3 + C_1R_1R_3R_4g_ms + R_3R_4g_m + s^2\left(C_1L_1R_3R_4g_m + C_4L_4R_3R_4g_m\right)}{2R_3g_m + R_4g_m + s^4\left(2C_1C_4L_1L_4R_3g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_1R_4g_m + 2C_1C_4L_4R_3R_4g_m + 2C_1C_4L_4R_3R_4g_m + 2C_1C_4L_4R_3R_4g_m + 2C_1C_4R_3R_4g_m + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4g_m + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4R_4g_m + 2C_1C_4R_4g_m + 2C_1C_4
10.645 INVALID-ORDER-645 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                            H(s) = \frac{C_1 L_1 R_4 g_m s^2 + C_1 R_1 R_4 g_m s + R_4 g_m}{C_1 C_3 L_1 R_4 g_m s^3 + 2 q_m + s^2 \left( C_1 C_3 R_1 R_4 q_m + C_1 C_3 R_4 + 2 C_1 L_1 q_m \right) + s \left( 2 C_1 R_1 q_m + 2 C_1 + C_3 R_4 q_m \right)}
10.646 INVALID-ORDER-646 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                       H(s) = \frac{C_1 L_1 g_m s^2 + C_1 R_1 g_m s + g_m}{s^3 \left(C_1 C_3 L_1 g_m + 2 C_1 C_4 L_1 g_m\right) + s^2 \left(C_1 C_3 R_1 g_m + C_1 C_3 + 2 C_1 C_4 R_1 g_m + 2 C_1 C_4\right) + s \left(C_3 g_m + 2 C_4 g_m\right)}
10.647 INVALID-ORDER-647 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                             H(s) = \frac{C_1L_1R_4g_ms^2 + C_1R_1R_4g_ms + R_4g_m}{2g_m + s^3\left(C_1C_3L_1R_4g_m + 2C_1C_4L_1R_4g_m\right) + s^2\left(C_1C_3R_1R_4g_m + C_1C_3R_4 + 2C_1C_4R_1R_4g_m + 2C_1C_4R_4 + 2C_1L_1g_m\right) + s\left(2C_1R_1g_m + 2C_1 + C_3R_4g_m + 2C_4R_4g_m\right)}
10.648 INVALID-ORDER-648 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                          H(s) = \frac{C_1C_4L_1R_4g_ms^3 + g_m + s^2\left(C_1C_4R_1R_4g_m + C_1L_1g_m\right) + s\left(C_1R_1g_m + C_4R_4g_m\right)}{C_1C_3C_4L_1R_4g_ms^4 + s^3\left(C_1C_3C_4R_1R_4g_m + C_1C_3L_1g_m + 2C_1C_4L_1g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + C_3C_4R_4g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}
10.649 INVALID-ORDER-649 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                  H(s) = \frac{C_1C_4L_1L_4g_ms^4 + C_1C_4L_4R_1g_ms^3 + C_1R_1g_ms + g_m + s^2\left(C_1L_1g_m + C_4L_4g_m\right)}{C_1C_3C_4L_1L_4g_ms^5 + s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_3C_4L_4\right) + s^3\left(C_1C_3L_1g_m + 2C_1C_4L_1g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}
10.650 INVALID-ORDER-650 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                      H(s) = \frac{C_1L_1L_4g_ms^3 + C_1L_4R_1g_ms^2 + L_4g_ms}{2g_m + s^4\left(C_1C_3L_1L_4g_m + 2C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3L_4R_1g_m + C_1C_3L_4 + 2C_1C_4L_4R_1g_m + 2C_1C_4L_4\right) + s^2\left(2C_1L_1g_m + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m + 2C_1C_4L_4\right) + s^2\left(2C_1L_1g_m + C_3L_4g_m + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m + 2C_4L_4\right) + s^2\left(2C_1L_1g_m + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m + 2C_4L_4\right) + s^2\left(2C_1L_1g_m + 2C_4L_4g_m\right) + s\left(2C_1R_1g_m +
10.651 INVALID-ORDER-651 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                         H(s) = \frac{C_1C_4L_1L_4g_ms^4 + g_m + s^3\left(C_1C_4L_1R_4g_m + C_1C_4L_4R_1g_m\right) + s^2\left(C_1C_4R_1R_4g_m + C_1L_1g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_4R_4g_m\right)}{C_1C_3C_4L_1L_4g_ms^5 + s^4\left(C_1C_3C_4L_1R_4g_m + C_1C_3C_4L_4\right) + s^3\left(C_1C_3C_4R_1R_4g_m + C_1C_3L_4g_m + C_3C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_4R_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_4R_4g_m
10.652 INVALID-ORDER-652 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
        H(s) = \frac{C_1L_1L_4R_4g_ms^3 + C_1L_4R_1g_ms^2 + L_4R_4g_ms}{2R_4g_m + s^4\left(C_1C_3L_1L_4R_4g_m + 2C_1C_4L_1L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_1R_4g_m + C_1C_4L_4R_4g_m + 2C_1L_4R_4g_m + 2C_1L_4R
10.653 INVALID-ORDER-653 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                      \frac{C_{1}C_{4}L_{1}L_{4}R_{4}g_{m}s^{4}+R_{4}g_{m}+s^{3}\left(C_{1}C_{4}L_{4}R_{1}R_{4}g_{m}+C_{1}L_{1}L_{4}g_{m}\right)+s^{2}\left(C_{1}L_{1}R_{4}g_{m}+C_{4}L_{4}R_{4}g_{m}\right)+s\left(C_{1}R_{1}R_{4}g_{m}+L_{4}g_{m}\right)}{C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+S^{5}+2g_{m}+s^{4}\left(C_{1}C_{3}C_{4}L_{4}R_{4}+C_{1}C_{3}L_{4}L_{4}G_{m}\right)+s^{3}\left(C_{1}C_{3}L_{1}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{1}g_{m}+C_{1}C_{3}L_{4}R_{1}g_{m}+C_{1}C_{3}L_{4}R_{1}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}\right)+s^{2}\left(C_{1}C_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L_{4}R_{4}g_{m}+C_{1}C_{3}L
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10.654 INVALID-ORDER-654 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_4g_ms^4 + C_1C_4L_4R_1R_4g_ms^3 + C_1R_1R_4g_ms + R_4g_m + s^2\left(C_1L_1R_4g_m + C_4L_4R_4g_m\right)}{C_1C_3C_4L_1L_4R_4g_ms^5 + 2g_m + s^4\left(C_1C_3C_4L_4R_4g_m + C_1C_3C_4L_4R_4g_m + s^2\left(C_1C_4L_4R_4g_m + C_4C_4R_4g_m\right) + s^3\left(C_1C_3L_4R_4g_m + 2C_1C_4L_4R_4g_m + 2C_1C_4L_4R_4g_m + s^2\left(C_1C_3R_4R_4g_m + C_4C_4R_4g_m\right) + s^2\left(C_1C_3R_4R_4g_m + C_4C_4R_4g_m + s^2\left(C_4C_4R_4g_m + S_4C_4C_4R_4g_m + S_4C_4C_4R_4g_m\right) + s^2\left(C_4C_4R_4g_m + S_4C_4C_4R_4g_m + S_4C_4C_4R_4g_m + S_4C_4C_4R_4g_m\right) + s^2\left(C_4C_4R_4R_4g_m + S_4C_4C_4R_4g_m + S_4C_4C_4R_4g_m + S_4C_4C_4R_4g_m\right) + s^2\left(C_4C_4R_4g_m + S_4C_4C_4R_4g_m\right) + s^2\left(C_4C_4
10.655 INVALID-ORDER-655 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                                   H(s) = \frac{C_1L_1R_3R_4g_ms^2 + C_1R_1R_3R_4g_ms + R_3R_4g_m}{C_1C_3L_1R_3R_4g_ms^3 + 2R_3g_m + R_4g_m + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_3R_3R_4 + 2C_1L_1R_3g_m + C_1L_1R_4g_m\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3 + C_1R_4 + C_3R_3R_4g_m\right)}
10.656 INVALID-ORDER-656 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                        H(s) = \frac{C_1L_1R_3g_ms^2 + C_1R_1R_3g_ms + R_3g_m}{g_m + s^3\left(C_1C_3L_1R_3g_m + 2C_1C_4L_1R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_3R_3 + 2C_1C_4R_1R_3g_m + 2C_1C_4R_3 + C_1L_1g_m\right) + s\left(C_1R_1g_m + C_1 + C_3R_3g_m + 2C_4R_3g_m\right)}
10.657 INVALID-ORDER-657 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                         H(s) = \frac{C_1L_1R_3R_4g_ms^2 + C_1R_1R_3R_4g_ms + R_3R_4g_m}{2R_3g_m + R_4g_m + s^3\left(C_1C_3L_1R_3R_4g_m + 2C_1C_4L_1R_3R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_4R_1R_3R_4g_m + 2C_1C_4R_1R_3g_m + C_1L_1R_4g_m\right) + s\left(2C_1R_1R_3g_m + C_1R_1R_4g_m + 2C_1R_3R_4g_m + 2C_4R_3R_4g_m\right)}
10.658 INVALID-ORDER-658 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1R_3R_4g_ms^3 + R_3g_m + s^2\left(C_1C_4R_1R_3R_4g_m + C_1L_1R_3g_m\right) + s\left(C_1R_1R_3g_m + C_4R_3R_4g_m\right)}{C_1C_3C_4L_1R_3R_4g_ms^4 + g_m + s^3\left(C_1C_3C_4R_1R_3R_4g_m + C_1C_4L_1R_3g_m + C_1C_4L_1R_3g_m + C_1C_4R_1R_3g_m + C_1C_4R_1
10.659 INVALID-ORDER-659 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_3g_ms^4 + C_1C_4L_4R_1R_3g_ms^3 + C_1R_1R_3g_ms + R_3g_m + s^2\left(C_1L_1R_3g_m + C_4L_4R_3g_m\right)}{C_1C_3C_4L_1L_4R_3g_ms^5 + g_m + s^4\left(C_1C_3C_4L_4R_3g_m + C_1C_3C_4L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4R_3g_m + C
10.660 INVALID-ORDER-660 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                  H(s) = \frac{C_1L_1L_4R_3g_ms^3 + C_1L_4R_1g_3g_ms^2 + L_4R_3g_ms}{2R_3g_m + s^4\left(C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m\right) + s^3\left(C_1C_3L_4R_1R_3g_m + C_1C_4L_4R_3 + 2C_1C_4L_4R_3 + C_1L_4L_4g_m\right) + s^2\left(2C_1L_1R_3g_m + C_1L_4R_3g_m + C_1L_4R_3g_m\right) + s\left(2C_1R_1R_3g_m + 2C_1R_3L_4R_3g_m + 2C_1R_3L_4R_3g_m\right) + s\left(2C_1R_1R_3g_m + 2C_1R_3R_3g_m\right) + s\left(2C_1R_1R_3g_m + 2C_1R_3R_3g_m\right) + s\left(2C_1R_1R_3g_m + 2C_1R_3R_3g_m\right) + s\left(2C_1R_3R_3g_m\right) 
10.661 INVALID-ORDER-661 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}s^{4} + R_{3}g_{m} + s^{3}\left(C_{1}C_{4}L_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{4}R_{1}R_{3}g_{m}\right) + s^{2}\left(C_{1}C_{4}R_{1}R_{3}R_{4}g_{m} + C_{1}L_{1}R_{3}g_{m} + C_{4}L_{4}R_{3}g_{m}\right)
                                    \frac{C_1C_4L_1L_4R_3g_ms^4 + R_3g_m + s^3\left(C_1C_4L_1R_3R_4g_m + C_1C_4L_4R_1R_3g_m\right) + s^2\left(C_1C_4R_1R_3R_4g_m + C_1L_4R_3g_m\right)}{C_1C_3C_4L_1L_4R_3g_ms^5 + g_m + s^4\left(C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1C_4L_4R_3g_m + C_1C_4L
10.662 INVALID-ORDER-662 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_1L_1L_4R_3R_4g_ms^3 + C_1L_4R_1R_3R_4g_ms^2 + L_4R_3R_4g_ms
                                      \frac{C_{1}L_{1}L_{4}K_{3}K_{4}g_{m}s^{s} + C_{1}L_{4}K_{1}K_{3}K_{4}g_{m}s}{2R_{3}R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{4}R_{3}R_{4}g_{m} + 2C_{1}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{4}R_{3}R_{4}g_{m} + C_{1}L_{4}L_{4}R_{3}R_{4}g_{m} + C_{1}L_{4}R_{3}R_{4}g_{m} + C_{1}L_{4}R_{4}R_{4}g_{m} + C_{1}L_{4}
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 $\frac{1}{C_1C_3C_4L_1L_4R_3R_4g_ms^5 + 2R_3g_m + R_4g_m + s^4\left(C_1C_3C_4L_4R_1R_3R_4g_m + C_1C_3L_4R_3g_m + C_1C_4L_1L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_$

10.663 INVALID-ORDER-663 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

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10.664 INVALID-ORDER-664 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_1C_4L_1L_4R_3R_4g_ms^4 + C_1C_4L_4R_1R_3R_4g_ms^3 + C_1R_1R_3R_4g_ms + R_3R_4g_m + s^2
H(s) = \frac{1}{C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m}s^{5} + 2R_{3}g_{m} + R_{4}g_{m} + s^{4}\left(C_{1}C_{3}C_{4}L_{4}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{3}g_{m} + C_{1}C_{4}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{4}L_{4}R_{3}R_{4}g_{m} + 2C_{1}C_{4}L_{4}R_{3}R_{4}g_{m} + 2C_{1}C_{4}L_{4}R_{4}R_{4}g_{m} + 2C_{1}C_{4}L_{4}R_{4}R_{4}g_{m} + 2C_{1}C_{4}L_{4}R_{4}g_{m} + 2C_{1}C_{4}L_{4}R_{4}g_{m} + 2C_{1}C_{4}L_{4}R_{4}g
10.665 INVALID-ORDER-665 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                              H(s) = \frac{C_1C_3L_1R_3R_4g_ms^3 + R_4g_m + s^2\left(C_1C_3R_1R_3R_4g_m + C_1L_1R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m\right)}{2g_m + s^3\left(2C_1C_3L_1R_3g_m + C_1C_3L_1R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_3 + C_1C_3R_4 + 2C_1L_1g_m\right) + s\left(2C_1R_1g_m + 2C_1 + 2C_3R_3g_m + C_3R_4g_m\right)}
10.666 INVALID-ORDER-666 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                               H(s) = \frac{C_1C_3L_1R_3g_ms^3 + g_m + s^2\left(C_1C_3R_1R_3g_m + C_1L_1g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m\right)}{2C_1C_3C_4L_1R_3g_ms^4 + s^3\left(2C_1C_3C_4R_1R_3g_m + 2C_1C_3C_4R_3 + C_1C_3L_1g_m + 2C_1C_4L_1g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4 + 2C_3C_4R_3g_m\right) + s\left(C_3g_m + 2C_4g_m\right)}
10.667 INVALID-ORDER-667 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1R_3R_4g_ms^3 + R_4g_m + s^2\left(C_1C_3R_1R_3R_4g_m + C_1L_1R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m\right)}{2C_1C_3C_4L_1R_3R_4g_ms^4 + 2g_m + s^3\left(2C_1C_3C_4R_1R_3R_4g_m + 2C_1C_3L_1R_3g_m + C_1C_3L_1R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_4R_4g_m\right) + s^2\left(2C_1C_3R_4R_4g_m + 2C_1C_4R_4R_4g_m\right) + s^2\left(2C_1C_4R_4R_4g_m\right) + s^2\left(2
10.668 INVALID-ORDER-668 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                   H(s) = \frac{C_1C_3C_4L_1R_3R_4g_ms^4 + g_m + s^3\left(C_1C_3C_4R_1R_3R_4g_m + C_1C_4L_1R_4g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_4R_1R_4g_m + C_1L_1g_m + C_3C_4R_3R_4g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m + C_4R_4g_m\right)}{s^4\left(2C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_4g_m\right) + s^3\left(2C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_4g_m + 2C_1C_4L_1g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s\left(C_1R_1g_m + C_1R_2g_m + C_1C_3C_4R_1g_m + C_1C_3C_4R_1g_m + 2C_1C_4C_4R_1g_m + 2C_1C_4R_1g_m + 2C
10.669 INVALID-ORDER-669 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
               H(s) = \frac{C_1C_3C_4L_1L_4R_3g_ms^5 + g_m + s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_4L_1L_4g_m\right) + s^3\left(C_1C_3L_1R_3g_m + C_1C_4L_4R_1g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1L_1g_m + C_4L_4g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m\right)}{C_1C_3C_4L_1L_4g_ms^5 + s^4\left(2C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_4R_1g_m + C_1C_3C_4R_3g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4L_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4R_3g_m\right) + s^2\left(C
10.670 INVALID-ORDER-670 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1L_4R_3g_ms^4 + L_4g_ms + s^3\left(C_1C_3L_4R_1R_3g_m + C_1L_1L_4g_m\right) + s^2\left(C_1L_4R_1g_m + C_3L_4R_3g_m\right)}{2C_1C_3C_4L_1L_4R_3g_ms^5 + 2g_m + s^4\left(2C_1C_3C_4L_4R_3g_m + 2C_1C_3C_4L_4R_3g_m + C_1C_3L_4R_3g_m + C_
10.671 INVALID-ORDER-671 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_4R_3g_ms^5 + g_m + s^4\left(C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_4R_1R_3g_m + C_1C_4L_1R_4g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4R_1R_4g_m + C_1C_4L_4R_3g_m + C_1C_4R_1R_4g_m + C_1C_
10.672 INVALID-ORDER-672 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
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 $H(s) = \frac{C_1C_3C_4L_1L_4R_3R_4g_ms^5 + R_4g_m + s^4\left(C_1C_3C_4L_4R_1R_3R_4g_m + C_1C_4L_1L_4R_4g_m\right) + s^3\left(C_1C_3L_1R_3R_4g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_1R_4g_m + C_1L_4L_4g_m + C_3C_4L_4R_1R_4g_m + C_1C_4L_4R_1R_4g_m + C_1C_4L_4R_4g_m + C_1C_4L_4R_4g_m$

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

 $C_1C_3L_1L_4R_3R_4g_ms^4 + L_4R_4g_ms + s^3(C_1C_3L_4R_1R_3R_4g_m + C_1L_1L_4R_4g_m)$

10.673 INVALID-ORDER-673 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

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10.674 INVALID-ORDER-674 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m}s^{5} + R_{4}g_{m} + s^{4}\left(C_{1}C_{3}C_{4}L_{4}R_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{1}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{1}R_{3}R_{4}g_{m}\right) + s^{3}\left(C_{1}C_
H(s) = \frac{C_1C_3C_4L_1L_4R_3R_4g_m + S_1C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_1R
10.675 INVALID-ORDER-675 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                    H(s) = \frac{C_1C_3L_1L_3R_4g_ms^4 + C_1C_3L_3R_1R_4g_ms^3 + C_1R_1R_4g_ms + R_4g_m + s^2\left(C_1L_1R_4g_m + C_3L_3R_4g_m\right)}{2C_1C_3L_1L_3g_ms^4 + 2g_m + s^3\left(C_1C_3L_1R_4g_m + 2C_1C_3L_3R_1g_m + 2C_1C_3L_3\right) + s^2\left(C_1C_3R_1R_4g_m + C_1C_3R_4 + 2C_1L_1g_m + 2C_3L_3g_m\right) + s\left(2C_1R_1g_m + 2C_1 + C_3R_4g_m\right)}
10.676 INVALID-ORDER-676 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                            H(s) = \frac{C_1C_3L_1L_3g_ms^4 + C_1C_3L_3R_1g_ms^3 + C_1R_1g_ms + g_m + s^2\left(C_1L_1g_m + C_3L_3g_m\right)}{2C_1C_3C_4L_1L_3g_ms^5 + s^4\left(2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3\right) + s^3\left(C_1C_3L_1g_m + 2C_1C_4L_1g_m + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4\right) + s\left(C_3g_m + 2C_4g_m\right)}
10.677 INVALID-ORDER-677 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                            \frac{C_{1}C_{3}L_{1}L_{3}R_{4}g_{m}s^{4}+C_{1}C_{3}L_{3}R_{1}R_{4}g_{m}s^{3}+C_{1}R_{1}R_{4}g_{m}s+R_{4}g_{m}+s^{2}\left(C_{1}L_{1}R_{4}g_{m}+C_{3}L_{3}R_{4}g_{m}\right)}{2C_{1}C_{3}C_{4}L_{1}R_{4}g_{m}+2C_{1}C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{1}C_{3}L_{4}L_{3}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}L_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C_{3}R_{4}R_{4}g_{m}+2C_{1}C
10.678 INVALID-ORDER-678 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_4 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                 H(s) = \frac{C_1C_3C_4L_1L_3R_4g_ms^5 + g_m + s^4\left(C_1C_3C_4L_3R_1R_4g_m + C_1C_3L_1L_3g_m\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_4L_1R_4g_m + C_3C_4L_3R_4g_m\right) + s^2\left(C_1C_4R_1R_4g_m + C_1L_1g_m + C_3L_3g_m\right) + s\left(C_1R_1g_m + C_4R_4g_m\right)}{2C_1C_3C_4L_1R_4g_m + 2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4L_3R_4g_m + C_1C_3C_4R_4g_m + C_1C_3L_1g_m + 2C_1C_4L_1g_m + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3R_4g_m + C_1C_3C_4R_4g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3R_4g_m + C_1C_3C_4R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3R_4g_m + C_1C_3C_4R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3C_4R_4g_m + C_1C_3C_4R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3C_4R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3R_4g_m\right) + s^2\left(C_1C_3R_4g_m\right) + s^2\left(C_1C_3R_4g_m + C_1C_3R_4g_m\right) + s^2\left(C_1C_3R_4g_m\right) 
10.679 INVALID-ORDER-679 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                             \frac{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}g_{m}s^{6} + C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}g_{m}s^{5} + C_{1}R_{1}g_{m}s + g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{3}R_{1}g_{m} + C_{1}C_{4}L_{4}R_{1}g_{m}\right) + s^{2}\left(C_{1}L_{1}g_{m} + C_{3}L_{3}g_{m} + C_{4}L_{4}g_{m}\right)}{s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}g_{m} + C_{1}C_{3}C_{4}L_{3}R_{1}g_{m} + 2C_{1}C_{3}C_{4}L_{3}R_{1}g_{m} + 2C_{1}C_{3}C_{4}L_{3}R_{1}g_{m} + 2C_{1}C_{3}C_{4}L_{3}R_{1}g_{m} + 2C_{1}C_{3}C_{4}L_{3}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}g_{m} + C_{1}C_{3}C_{4}L_{3}g_{m} + 2C_{1}C_{4}L_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}g_{m} + C_{1}C_{3}C_{4}L_{3}g_{m} + 2C_{1}C_{4}L_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}g_{m} + C_{1}C_{3}C_{4}L_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}g_{m} + C_{1}C_{3}R_{1}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}g_{m} + C_{1}C_{3}R_{1}g_
10.680 INVALID-ORDER-680 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1L_3L_4g_ms^5 + C_1C_3L_3L_4R_1g_ms^4 + C_1L_4R_1g_ms^2 + L_4g_ms + s^3\left(C_1L_1L_4g_m + C_3L_3L_4g_m\right)}{2C_1C_3C_4L_1L_3L_4g_ms^6 + 2g_m + s^5\left(2C_1C_3C_4L_3L_4R_1g_m + 2C_1C_3L_4L_4g_m + 2C_1C_4L_4L_4g_m + 2C_1C_4L_4R_1g_m + 2C_1C_4L_4R_1g_
10.681 INVALID-ORDER-681 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(C_1C_3C_4L_1L_3R_4g_m + C_1C_3C_4L_3L_4R_1g_m\right) + s^4\left(C_1C_3C_4L_3R_1R_4g_m + C_1C_3L_1L_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3R_1g_m + C_1C_4L_1R_4g_m + C_1C_4L_1R
10.682 INVALID-ORDER-682 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
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 $C_{1}C_{3}L_{1}L_{3}L_{4}R_{4}g_{m}s^{5} + C_{1}C_{3}L_{3}L_{4}R_{1}g_{m}s^{4} + C_{1}L_{4}R_{1}R_{4}g_{m}s^{2} + L_{4}R_{4}g_{m}s^{2} + L_{4}R_{4}g_{m}s^{2}$

10.683 INVALID-ORDER-683 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_4g_m s^6 + R_4g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_3L_1L_3R_4g_m + C_1C_3L_4L_4R_4g_m + C_1C_4L_1L_4R_4g_m + C_3C_4L_3L_4R_4g_m + s^3\left(C_1C_3L_3R_1R_4g_m + C_1C_4L_4R_4g_m + C_4C_4L_4R_4g_m + C_$

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10.684 INVALID-ORDER-684 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   H(s) = \frac{C_1 C_3 C_4 L_1 L_3 L_4 R_4 g_m s + C_1 C_3 C_4 L_1 L_3 L_4 g_m s + C_1 C_3 C_4 L_1 L_3 R_4 g_m + S - C_1 C_3 C_4 L_1 L_3 R_4 g_m + C_1 C_3 C_4 L_1 L_3 R_4 g_m + C_1 C_3 C_4 L_3 L_4 R_4 g_m + C_1 C_3 C_4 L_4 R_4 g_m
10.685 INVALID-ORDER-685 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                                 H(s) = \frac{C_1L_1L_3R_4g_ms^3 + C_1L_3R_1R_4g_ms^2 + L_3R_4g_ms}{C_1C_3L_1L_3R_4g_ms^4 + R_4g_m + s^3\left(C_1C_3L_3R_1R_4g_m + C_1C_3L_3R_4 + 2C_1L_1L_3g_m\right) + s^2\left(C_1L_1R_4g_m + 2C_1L_3R_1g_m + 2C_1L_3 + C_3L_3R_4g_m\right) + s\left(C_1R_1R_4g_m + C_1R_4 + 2L_3g_m\right)}
10.686 INVALID-ORDER-686 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                      H(s) = \frac{C_1L_1L_3g_ms^3 + C_1L_3R_1g_ms^2 + L_3g_ms}{g_m + s^4\left(C_1C_3L_1L_3g_m + 2C_1C_4L_1L_3g_m\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_3L_3 + 2C_1C_4L_3R_1g_m + 2C_1C_4L_3\right) + s^2\left(C_1L_1g_m + C_3L_3g_m + 2C_4L_3g_m\right) + s\left(C_1R_1g_m + C_1C_3L_3R_1g_m + 2C_4L_3R_1g_m + 2C_4L_3R_1g_m\right) + s\left(C_1R_1g_m + C_4R_1g_m + C_4R_1g_m\right) + s\left(C_1R_1g_m + C_4R_1g_m + C_4R_1g_m\right) + s\left(C_1R_1g_m + C_4R_1g_m + C_4R_1g_m\right) + s\left(C_1R_1g_m + C_1R_1g_m\right) + s\left(C_1R_1g_m + C_1R_1g_m\right) + s\left(C_1R_1g_m 
10.687 INVALID-ORDER-687 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                 H(s) = \frac{C_1L_1L_3R_4g_ms^3 + C_1L_3R_1R_4g_ms^2 + L_3R_4g_ms}{R_4g_m + s^4\left(C_1C_3L_1L_3R_4g_m + 2C_1C_4L_1L_3R_4g_m\right) + s^3\left(C_1C_3L_3R_1R_4g_m + C_1C_3L_3R_4 + 2C_1C_4L_3R_4g_m + 2C_1L_4R_4g_m + 2C_1L_3R_4g_m + 2C_1L_
10.688 INVALID-ORDER-688 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_3R_4g_ms^4 + L_3g_ms + s^3\left(C_1C_4L_3R_1R_4g_m + C_1L_1L_3g_m\right) + s^2\left(C_1L_3R_1g_m + C_4L_3R_4g_m\right)}{C_1C_3C_4L_1L_3R_4g_ms^5 + g_m + s^4\left(C_1C_3C_4L_3R_4g_m + C_1C_3L_4L_3g_m + 2C_1C_4L_1R_4g_m + 2C_1C_4L_3R_4g_m + 2C_1C_4L_3R_4g_m\right) + s^2\left(C_1C_4R_1R_4g_m + C_1C_4R_4 + C_1L_1g_m + C_3L_3g_m + 2C_4L_3R_4g_m\right)}
10.689 INVALID-ORDER-689 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_3L_4g_ms^5 + C_1C_4L_3L_4g_ms^4 + C_1L_3R_1g_ms^2 + L_3g_ms + s^3\left(C_1L_1L_3g_m + C_4L_3L_4g_m\right)}{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(C_1C_3C_4L_3L_4R_1g_m + C_1C_3C_4L_3L_4\right) + s^4\left(C_1C_3L_1L_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3L_4g_m\right) + s^3\left(C_1C_3L_3R_1g_m + C_1C_4L_3R_1g_m + C_1C_4L_3R_1g_m + C_1C_4L_4R_1g_m + C_1C_4L_4\right) + s^2\left(C_1L_1g_m + C_3L_4g_m\right) + s^3\left(C_1C_3L_4R_1g_m + C_1C_4L_4R_1g_m + 
10.690 INVALID-ORDER-690 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                       H(s) = \frac{C_1L_1L_3L_4g_ms^3 + C_1L_3L_4g_ms^2 + L_3L_4g_ms}{2L_3g_m + L_4g_m + s^4\left(C_1C_3L_1L_3L_4g_m + 2C_1C_4L_1L_3L_4g_m\right) + s^3\left(C_1C_3L_3L_4R_1g_m + C_1C_4L_3L_4\right) + s^2\left(2C_1L_1L_3g_m + C_1L_1L_4g_m + C_3L_3L_4g_m\right) + s\left(2C_1L_3R_1g_m + 2C_1L_3+C_1L_4R_1g_m + C_1L_4\right)}
10.691 INVALID-ORDER-691 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_{1}C_{4}L_{1}L_{3}L_{4}g_{m}s^{5} + L_{3}g_{m}s + s^{4}\left(C_{1}C_{4}L_{1}L_{3}R_{4}g_{m} + C_{1}C_{4}L_{3}L_{4}R_{1}g_{m}\right) + s^{3}\left(C_{1}C_{4}L_{3}R_{1}R_{4}g_{m} + C_{1}L_{1}L_{3}g_{m} + C_{4}L_{3}L_{4}g_{m}\right) + s^{3}\left(C_{1}C_{4}L_{3}R_{1}R_{4}g_{m} + C_{1}L_{1}L_{3}g_{m} + C_{4}L_{3}L_{4}g_{m}\right)
H(s) = \frac{C_1C_4L_1L_3L_4g_ms^3 + L_3g_ms + s^4\left(C_1C_4L_1L_3R_4g_m + C_1C_4L_3L_4R_1g_m\right) + s^3\left(C_1C_4L_3R_4R_4g_m + C_1L_4L_3g_m + C_4L_3L_4g_m\right)}{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(C_1C_3C_4L_3L_4g_m + C_1C_3C_4L_3L_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3C_4
10.692 INVALID-ORDER-692 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_1L_1L_3L_4R_4g_ms^3 + C_1L_3L_4R_1R_4g_ms^2 + L_3L_4R_4g_ms
                                  \frac{C_{1}L_{1}L_{3}L_{4}R_{4}g_{m}s^{3}+C_{1}L_{3}L_{4}R_{4}g_{m}s^{2}+L_{3}L_{4}R_{4}g_{m}s}{2L_{3}R_{4}g_{m}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{4}g_{m}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_{4}R_{4}g_{m}+2C_{1}L_{3}L_
10.693 INVALID-ORDER-693 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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 $\frac{c_{1}c_{4}c_{1}c_{3}c_{4}c_{4}c_{m}s_{0}}{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{4}g_{m}+c_{1}c_{3}c_{4}L_{3}L_{4}R_{1}g_{m}+c_{1}c_{1}c_{3}c_{4}L_{3}L_{4}R_{1}g_{m}+c_{1}c_{3}$

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10.694 INVALID-ORDER-694 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_4L_1L_3L_4R_4g_ms^5 + C_1C_4L_3L_4R_1R_4g_ms^4 + C_1L_3R_1R_4g_ms^2 + L_3R_4g_ms + s^2
H(s) = \frac{1}{C_1 C_3 C_4 L_1 L_3 L_4 R_4 g_m + s^5 \left(C_1 C_3 C_4 L_3 L_4 R_4 g_m + C_1 C_3 L_4 L_4 L_4 R_4 g_m + s^5 \left(C_1 C_3 C_4 L_3 L_4 R_4 g_m + C_1 C_4 L_4 L_4 L_4 R_4 g_m + s^6 \left(C_1 C_3 L_4 L_4 L_4 R_4 g_m + C_1 C_4 L_4 L_4 L_4 R_4 g_m + s^6 \left(C_1 C_3 L_4 L_4 L_4 R_4 g_m + C_1 C_4 L_4 L_4 L_4 R_4 g_m + s^6 \left(C_1 C_3 L_4 L_4 L_4 R_4 g_m + C_1 C_4 L_4 L_4 L_4 R_4 g_m + s^6 \left(C_1 C_3 L_4 L_4 L_4 R_4 g_m + c_1 C_4 L_4 L_4 L_4 R_4 g_m + c_1 C_4 L_4 L_4 L_4 R_4 g_m + c_1 C_4 L_4 
10.695 INVALID-ORDER-695 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                    H(s) = \frac{C_1C_3L_1L_3R_4g_ms^4 + R_4g_m + s^3\left(C_1C_3L_1R_3R_4g_m + C_1C_3L_3R_1R_4g_m\right) + s^2\left(C_1C_3R_1R_3R_4g_m + C_1L_1R_4g_m + C_3L_3R_4g_m\right) + s\left(C_1R_1R_4g_m + C_3R_3R_4g_m\right)}{2C_1C_3L_1L_3g_ms^4 + 2g_m + s^3\left(2C_1C_3L_1R_3g_m + C_1C_3L_3R_1g_m + 2C_1C_3L_3\right) + s^2\left(2C_1C_3R_1R_3g_m + C_1C_3R_1R_4g_m + 2C_1C_3R_3 + C_1C_3R_4 + 2C_1L_1g_m + 2C_3L_3g_m\right) + s\left(2C_1R_1g_m + 2C_1+2C_3R_3g_m + C_3R_4g_m\right)}
10.696 INVALID-ORDER-696 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
      H(s) = \frac{C_1C_3L_1L_3g_ms^4 + g_m + s^3\left(C_1C_3L_1R_3g_m + C_1C_3L_3R_1g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1L_1g_m + C_3L_3g_m\right) + s\left(C_1R_1g_m + C_3R_3g_m\right)}{2C_1C_3C_4L_1L_3g_ms^5 + s^4\left(2C_1C_3C_4L_1R_3g_m + 2C_1C_3C_4L_3R_1g_m + 2C_1C_3C_4R_3 + C_1C_3L_1g_m + 2C_1C_4L_1g_m + 2C_3C_4L_3g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3 + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + C_1C_3C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m + 2C_1C_4R_1g_m\right) + s^2\left(C_1C_3R_1g_m + 2C_1C_4R_1g_m 
10.697 INVALID-ORDER-697 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_{1}C_{3}L_{1}L_{3}R_{4}g_{m}s^{4} + R_{4}g_{m} + s^{3}\left(C_{1}C_{3}L_{1}R_{3}R_{4}g_{m} + C_{1}C_{3}L_{3}R_{1}R_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}R_{3}R_{4}g_{m} + C_{1}L_{1}R_{4}g_{m} + C_{1}L_{1}R_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}R_{3}R_{4}g_{m} + C_{1}L_{1}R_{3}R_{4}g_{m}\right) + s^{2}\left(C_{1}C_{3}R_{1}R_{3}R_{4}g_{m} + C_{1}
                                                  \frac{C_1C_3L_1L_3R_4g_m + s - (C_1C_3L_1R_3R_4g_m + c_1C_3L_3R_4g_m + c_1C_3L_1R_3R_4g_m + c_1C_3L_1R_3R_4g_m + c_1C_3L_1R_3R_4g_m + c_1C_3L_1R_3R_4g_m + c_1C_3L_1R_3g_m + c_1
10.698 INVALID-ORDER-698 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3R_4g_ms^5 + g_m + s^4\left(C_1C_3C_4L_1R_3R_4g_m + C_1C_3L_4R_3R_4g_m + C_1C_3L_1R_3g_m + C_1C_3L_4R_1g_m + C_1C_4L_1R_4g_m + C_1C_4L_1R_4g_m + C_1C_4L_1R_4g_m + C_1C_4R_1R_4g_m + C_1C_4R_1R_4g_m + C_1L_1g_m + C_3C_4R_3R_4g_m + C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_3g_m + C_1C_3C_4R_1R_4g_m + C_1C_3C_4R_
10.699 INVALID-ORDER-699 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_3L_4R_1g_m\right) + s^4\left(C_1C_3C_4L_4R_1g_m + C_1C_3L_1L_3g_m + C_1C_4L_1L_4g_m + C_3C_4L_3R_1g_m + C_1C_3L_3R_1g_m + C_1C_4L_4R_1g_m + C_3C_4L_4R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_3L_4R_3g_m + C_1C_3
10.700 INVALID-ORDER-700 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1L_3L_4g_ms^5 + L_4g_ms + s^4\left(C_1C_3L_1L_4R_3g_m + C_1C_3L_3L_4R_1g_m\right) + s^3\left(C_1C_3L_4R_1R_3g_m + C_1L_1L_4g_m + c_1C_3L_4L_4R_3g_m + C_1C_3L_4R_3g_m + 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_{1}C_{3}L_{1}L_{3}L_{4}g_{m}s^{5} + L_{4}g_{m}s + s^{4}\left(C_{1}C_{3}L_{1}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{3}L_{4}R_{1}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}L_{1}L_{4}g_{m} + C_{1}L_{1}L_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}L_{1}L_{4}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}\right) + s^{3}\left(C_{1}C_{3}L_{4}R_{1}R_{3}g_{m}
10.701 INVALID-ORDER-701 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
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 $H(s) = \frac{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(C_1C_3C_4L_1L_3R_4g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_1R_3g_m + C_1C_3L_4L_3g_m + C_1C_3L_4L_4g_m + C_3C_4L_3L_4g_m + S^4\left(C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_3g_m + C_1C_3C_4L_1R_3$

10.702 INVALID-ORDER-702 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{1}{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{4}g_{m}s^{6} + 2R_{4}g_{m} + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}g_{m} + 2C_{1}C_{3}C_{4}L_{3}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + 2C_{1}C_{3}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}L_{4}R_{$

10.703 INVALID-ORDER-703 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1L_4R_3g_m + C_1C_3L_4L_4R_3g_m + C_1C_3C_4L_4L_4R_3g_m + C_1C_3C_4L_4R_1R_3g_m + C_1C_3C_4L_4R_1R$

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10.704 INVALID-ORDER-704 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_1C_3C_4L_1L_3L_4R_4g_ms^6 + R_4g_m + s^5(C_1C_3C_4L_1L_4R_3R_4g_m)
 H(s) = \frac{C_1C_3C_4L_1L_3L_4R_4g_m s + R_4g_m + s + C_1C_3C_4L_1L_4R_3g_m + C_1C_3C_4L_1R_3R_4g_m + C
 10.705 INVALID-ORDER-705 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_{3s}}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
 H(s) = \frac{C_1L_1L_3R_3R_4g_ms^3 + C_1L_3R_1R_3R_4g_ms^2 + L_3R_3R_4g_ms}{C_1C_3L_1L_3R_3R_4g_ms^4 + R_3R_4g_m + s^3\left(C_1C_3L_3R_1R_3R_4g_m + C_1C_3L_3R_3R_4 + 2C_1L_1L_3R_3g_m + C_1L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_3R_4g_m + 2C_1L_3R_1R_4g_m + 2C_1L_3R_3 + C_1L_3R_4 + C_3L_3R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + C_1R_3R_4 + 2C_1L_3R_3g_m + C_1L_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + C_1R_3R_4g_m + C_1R_3R_4g_m + C_1R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + C_1R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + C_1R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + C_1R_3R_4g_m\right) + s\left(C_1R_1R_3R_4g_m + C_1R_3R_4g_m\right) + s\left(C_1R_3R_4g_m + C_1R_3R_4g_m
 10.706 INVALID-ORDER-706 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
                                        H(s) = \frac{C_1L_1L_3R_3g_ms^3 + C_1L_3R_1R_3g_ms^2 + L_3R_3g_ms}{R_3g_m + s^4\left(C_1C_3L_1L_3R_3g_m + 2C_1C_4L_1L_3R_3g_m\right) + s^3\left(C_1C_3L_3R_1R_3g_m + C_1C_3L_3R_3 + 2C_1C_4L_3R_3g_m + C_1L_1L_3g_m\right) + s^2\left(C_1L_1R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1R_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m + C_1L_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1R_3R_3g_m + C_1R_3R_3g_m + C_1R_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1R_3R_3g_m + C_1R_3R_3g_m + C_1R_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1R_3R_3g_m + C_1R_3R_3g_m + C_1R_3R_3g_m\right) + s\left(C_1R_1R_3g_m + C_1R_3R_3g_m\right) + s\left(C_1R_3R_3R_3g_m + C_1R_3R_3g_m\right) + s\left(C_1R_3R_3
 10.707 INVALID-ORDER-707 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                \frac{C_{1}L_{1}L_{3}R_{3}R_{4}g_{m}s^{3}+C_{1}L_{3}R_{1}R_{3}R_{4}g_{m}s^{2}+L_{3}R_{3}R_{4}g_{m}s}{R_{3}R_{4}g_{m}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3}R_{4}g_{m}+2C_{1}L_{3}R_{3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_1L_1L_3R_3R_4g_ms^3 + C_1L_3R_1R_3R_4g_ms^2 + L_3R_3R_4g_ms
 10.708 INVALID-ORDER-708 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_1C_4L_1L_3R_3R_4g_ms^4 + L_3R_3g_ms + s^3(C_1C_4L_3R_1R_3R_4g_m + C_1L_1L_3R_3g_m) + s^2(C_1L_3R_3R_4g_m) + s^2(C_1L_3R_4g_m) + s^2(C_1L_3R_4
 H(s) = \frac{C_1C_4L_1L_3R_3R_4g_ms^2 + L_3R_3g_ms + s^2\left(C_1C_4L_3R_1R_3R_4g_m + C_1L_1L_3R_3g_m\right) + s^2\left(C_1L_4L_3R_3R_4g_ms^2 + L_3R_3g_ms + s^2\left(C_1C_4L_3R_3R_4g_m + C_1L_4L_3R_3g_m\right) + s^2\left(C_1L_4L_3R_3R_4g_m + C_1L_4L_3R_3g_m + C_1L_4L_3R_3g_
 10.709 INVALID-ORDER-709 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                H(s) = \frac{C_1C_4L_1L_3L_4R_3g_ms^{\circ} + C_1C_4L_3L_4R_1R_3g_ms^{\circ} + C_1L_3R_1R_3g_ms^{\circ} + C_1L_3R_1R_3g_ms + s^{\circ} \cdot (C_1C_3C_4L_3L_4R_3g_ms + s^{\circ} \cdot (C_1C_3C_4L_3L_4R_3g_m) + s^{\circ} \cdot (C_1C_3C_4L_3L_4R_3g_m) + s^{\circ} \cdot (C_1C_3L_4L_3L_4R_3g_m + C_1C_4L_4L_3R_3g_m + C_1C_4L_4L_3R_3g_m + C_1C_4L_4L_3L_4R_3g_m) + s^{\circ} \cdot (C_1C_3L_4R_3g_m + C_1C_4L_4L_3R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_
 10.710 INVALID-ORDER-710 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_2 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                \frac{C_{1}L_{1}L_{3}L_{4}R_{3}g_{m}s^{3}+C_{1}L_{3}L_{4}R_{3}g_{m}s^{2}+L_{3}L_{4}R_{3}g_{m}s}{2L_{3}R_{3}g_{m}+L_{4}R_{3}g_{m}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}L_{3}L_{4}R_{3
 10.711 INVALID-ORDER-711 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_2 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                  \frac{C_1C_4L_2}{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + R_3g_m + s^5\left(C_1C_3C_4L_1L_3R_3R_4g_m + C_1C_3C_4L_3L_4R_3g_m + C_1C_4L_1L_3L_4g_m\right) + s^4\left(C_1C_3C_4L_3R_1R_3R_4g_m + C_1C_3L_4L_3R_3g_m + C_1C_4L_1L_3R_3g_m + C_1C_4L_3L_3R_3g_m + C_1C_4L_3L_3R_3g_m + C_1C_4L_3L_3R_3g_m + C_1C_4L_3L_3R_3g_m + C_1C_4L_3L_3R_3g_m + C_1C_4L_3L_3R_3g_m + C_1C_4L_3L_3
10.712 INVALID-ORDER-712 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_1L_1L_3L_4R_3R_4g_ms^3 + C_1L_3L_4R_1R_3R_4g_ms^2 + L_3L_4R_3R_4g_ms^2
                                                  \frac{C_1 E_1 E_3 E_4 E_1 E_3 E_4}{2 E_3 E_4 E_3 E_4 E_3 E_4} + \frac{C_1 E_3 E_4 E_1 E_3 E_4 E_3 E_4 E_1 E_
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 $H(s) = \frac{1}{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4}g_{m} + s^{5}\left(C_{1}C_{3}C_{4}L_{3}L_{4}R_{3}R_{4}g_{m} + C_{1}C_{3}L_{4}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}$

10.713 INVALID-ORDER-713 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

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10.714 INVALID-ORDER-714 Z(s) = \left(L_{1}s + R_{1} + \frac{1}{C_{1}s}, \infty, \frac{I_{3}R_{3}s}{C_{3}I_{3}R_{3}s^{2} + I_{3}s + R_{3}}, \frac{R_{4}(C_{4}I_{3}s^{2} + 1)}{C_{4}I_{4}s^{2} + C_{4}R_{4}s + 1}, \infty, \infty\right)

H(s) = \frac{1}{C_{1}C_{3}C_{4}I_{1}I_{3}I_{4}R_{3}R_{4}g_{m} + s^{2}(C_{1}C_{3}C_{4}I_{3}I_{4}R_{3}R_{4}g_{m} + C_{1}C_{3}I_{4}I_{4}R_{3}g_{m} + C_{1}C_{4}I_{4}I_{4}R_{3}g_{m} + C_{1}C_{4}I_{4}R_{3}g_{m} + C_{1}C_{4}I_{4}R_
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10.718 INVALID-ORDER-718 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3R_3R_4g_ms^5 + R_3g_m + s^4\left(C_1C_3C_4L_3R_1R_3R_4g_m + C_1C_4L_1L_3R_4g_m\right) + s^3\left(C_1C_3L_3R_1R_3g_m + C_1C_4L_1R_3R_4g_m + C_1C_4L_1R_3R_4g_m + C_1L_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4R_4g_m + C_1C_3L_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3L_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3L_4R_4g_m + C_1C_3L_4R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3C_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3C_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3L_4R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3C_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3C_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_3R_4R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3C_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_3R_4g_m + C_1C_3C_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_3R_4g_m\right) + s^4\left(2C_1C_3C_4L_$

10.719 INVALID-ORDER-719 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + R_3g_m + s^5\left(C_1C_3C_4L_3L_4R_1R_3g_m + C_1C_4L_1L_3R_3g_m + C_1C_4L_1L_4R_3g_m + C_1C_4L_3L_4R_1g_m + C_3C_4L_3L_4R_3g_m + s^3\left(C_1C_3L_3R_1R_3g_m + C_1C_4L_4R_1R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_3g_m$

10.720 INVALID-ORDER-720 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1L_3L_4R_3g_ms^5 + L_4R_3g_ms + s^4\left(C_1C_3L_3L_4R_1R_3g_m + C_1L_1L_3L_4g_m\right)}{2C_1C_3C_4L_1L_3L_4R_3g_ms^6 + 2R_3g_m + s^5\left(2C_1C_3C_4L_3L_4R_1g_m + 2C_1C_4L_3L_4R_3g_m + C_1C_3L_3L_4R_1g_m + C_1C_3$

10.721 INVALID-ORDER-721 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + R_3g_m + s^5\left(C_1C_3C_4L_1L_3R_3g_m + C_1C_4L_1L_3R_4g_m + C_1C_3L_4L_3R_3g_m + C_1C_4L_1L_4R_3g_m + C_1C_4L_1L_4R_3g_m + C_1C_4L_4L_4R_3g_m + C_1C_4L_4R_3g_m + C_1C_4L_4R_4g_m + C_1C_4L_$

10.722 INVALID-ORDER-722 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{1}{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4}g_{m}s^{6} + 2R_{3}R_{4}g_{m} + s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{3}R_{4} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}L_{3}L_{4}R_{3}R_{4}g_{m} + C_{1}C_{3}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{$

10.723 INVALID-ORDER-723 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3R_4g_m s^6 + R_3R_4g_m + s^5\left(C_1C_3C_4L_3L_4R_1R_3R_4g_m + C_1C_3L_1L_3L_4R_3g_m + C_1C_4L_1L_3L_4R_4g_m\right) + s^4\left(c_1C_3C_4L_3L_4R_3g_m + c_1C_3C_4L_3L_4R_1R_3g_m + C_1C_3C_4L_3L_4R_3g_m + C_1C_3C_4L_3L_4R_3$

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H(s) = \frac{1}{2R_3g_m + R_4g_m + s^6\left(2C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3C_4L_1L_3L_4R_4g_m\right) + s^5\left(2C_1C_3C_4L_1L_3R_3R_4g_m + 2C_1C_3C_4L_3L_4R_1R_3g_m + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_1L_3L_4g_m\right) + s^4\left(2C_1C_3C_4L_1L_3L_4R_3g_m + 2C_1C_3C_4L_3L_4R_1R_3g_m + 2C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_1L_3L_4g_m\right) + s^4\left(2C_1C_3C_4L_1L_3L_4R_3g_m + 2C_1C_3C_4L_3L_4R_1R_3g_m + 2C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_4 + 2C_1C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_3 
 10.725 INVALID-ORDER-725 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                            \frac{C_{1}C_{3}L_{1}L_{3}R_{3}R_{4}g_{m}s^{4}+C_{1}C_{3}L_{3}R_{1}R_{3}R_{4}g_{m}s^{3}+C_{1}R_{1}R_{3}R_{4}g_{m}s+R_{3}R_{4}g_{m}+s^{2}\left(C_{1}L_{1}R_{3}R_{4}g_{m}+C_{3}L_{3}R_{3}R_{4}g_{m}\right)}{2R_{3}g_{m}+R_{4}g_{m}+s^{4}\left(2C_{1}C_{3}L_{1}L_{3}R_{3}g_{m}+C_{1}C_{3}L_{1}R_{3}R_{4}g_{m}+2C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{3}R_{3}R_{4}
 10.726 INVALID-ORDER-726 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
 H(s) = \frac{C_1C_3L_1L_3R_3g_ms^4 + C_1C_3L_3R_1R_3g_ms^3 + C_1R_1R_3g_ms + R_3g_m + s^2\left(C_1L_1R_3g_m + C_3L_3R_3g_m\right)}{2C_1C_3C_4L_1L_3R_3g_ms^5 + g_m + s^4\left(2C_1C_3C_4L_3R_3g_m + 2C_1C_3C_4L_3R_3g_m\right) + s^3\left(C_1C_3L_1R_3g_m + C_1C_3L_3R_1g_m + C_1C_3L_3R_3g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_1C_3R_3R_3g_m\right) + s^2\left(C_1C_3R_1R_3
 10.727 INVALID-ORDER-727 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_1C_3L_1L_3R_3R_4g_ms^4 + C_1C_3L_3R_1R_3R_4g_ms^3 + C_1R_1R_3R_4g_ms + R_3R_4g_m + S_3R_4g_ms^3 + C_1R_1R_3R_4g_ms^3 + C_1R_1R_3R_4
                                                              \frac{C_1C_3L_1L_3R_3I_4q_ms + C_1C_3L_3R_3I_4q_ms + C_1C_3L_3R_3I_4q_ms + C_1C_3L_3R_3I_4q_ms + C_1R_3I_4q_ms +
 10.728 INVALID-ORDER-728 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                H(s) = \frac{C_1C_3C_4L_1L_3R_3R_4g_ms^5 + R_3g_m + s^4\left(C_1C_3C_4L_3R_1R_3R_4g_m + C_1C_3L_1L_3R_3g_m\right) + s^3\left(C_1C_3L_3R_1R_3g_m + C_1C_4L_1R_3R_4g_m + C_1C_3C_4L_3R_3R_4g_m + C_1C_3C_4L_3R_3g_m + C_1C_3C_4L_3R_3R_4g_m + C_1C_3C_4L_3R_4g_m + C_1C_3C_4L_3R
10.729 INVALID-ORDER-729 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
 H(s) = \frac{C_1C_3C_4L_1L_3L_4R_3g_ms^6 + C_1C_3C_4L_3L_4R_1R_3g_ms^5 + C_1R_1R_3g_ms + R_3g_m + s^4\left(C_1C_3L_1L_3R_3g_m + C_1C_4L_1L_4R_3g_m\right)}{C_1C_3C_4L_1L_3L_4g_ms^6 + g_m + s^5\left(2C_1C_3C_4L_1L_3R_3g_m + C_1C_3C_4L_3L_4R_1g_m + C_1C_3C_4L_3R_1R_3g_m + C_1C_3C_4L_4R_1R_3g_m + C_1C_3C_4L_4R_3 + C_1
 10.730 INVALID-ORDER-730 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_1C_3L_1L_3L_4R_3g_ms^5 + C_1C_3L_3L_4R_1R_3g_ms^4 + C_1L_4R_1R_3g_ms^2 + L_4R_3g_ms + C_1L_4R_1R_3g_ms^2 + L_4R_3g_ms^2 + C_1L_4R_1R_3g_ms^2 + C_1L_4R_1
 H(s) = \frac{C_1C_3L_1L_3L_4R_3g_ms^5 + C_1C_3L_3L_4R_1R_3g_ms^5 + C_1C_3L_3L_4R_1R_3g_ms^5 + C_1L_4R_1R_3g_ms^5 + C
 10.731 INVALID-ORDER-731 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}s^{6} + R_{3}g_{m} + s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m} + C_{1}C_{3}C_{4}L_{3}R_{3}R_{4}g_{m} + C_{1}C_{3}C_{4}R_{3}R_{4}g_{m} + C_{1}C_{3}C_{4}R_{4}R_{4}g
                                                          \frac{C_1 C_3 C_4 L_1 L_3 L_4 \eta_3 y_m s^2 + \eta_3 y_m + s^2 (C_1 C_3 C_4 L_1 L_3 \eta_3 \eta_4 y_m + C_1 C_3 C_4 L_1 L_3 \eta_3 \eta_4 y_m + C_1 C_3 C_4 L_1 L_3 \eta_3 \eta_4 y_m + C_1 C_3 C_4 L_1 L_3 \eta_3 \eta_4 y_m + C_1 C_3 C_4 L_1 L_3 \eta_3 \eta_4 y_m + C_1 C_3 C_4 L_1 L_3 \eta_3 \eta_4 y_m + C_1 C_3 C_4 L_1 L_3 \eta_3 \eta_4 y_m + C_1 C_3 C_4 L_1 \eta_3 \eta_4 \eta_4 + C_1 C_3 C_4 L_1 \eta_4 \eta_4 + C_1 C_3 C_4 L
 10.732 INVALID-ORDER-732 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                            \overline{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4}g_{m}s^{6} + 2R_{3}R_{4}g_{m} + s^{5}\left(2C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m} + 2C_{1}C_{3}L_{4}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{4}R_{3}g_{m} + C_{1}C
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10.724 INVALID-ORDER-724 $Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

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10.733 INVALID-ORDER-733 Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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 $H(s) = \frac{1}{2R_3g_m + R_4g_m + s^6\left(2C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3C_4L_3L_4R_1R_3g_m + C_1C_3C_4L_3L_4R_3R_4g_m + C_1C_3C_4L_4R_3R_4g_m + C_1C_3$

10.734 INVALID-ORDER-734
$$Z(s) = \left(L_1 s + R_1 + \frac{1}{C_1 s}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_3g_m + R_4g_m + s^6\left(2C_1C_3C_4L_1L_3L_4R_3g_m + C_1C_3C_4L_1L_3L_4R_4g_m\right) + s^5\left(2C_1C_3C_4L_1L_3R_3R_4g_m + C_1C_3C_4L_1L_4R_3R_4g_m + 2C_1C_3C_4L_3L_4R_1R_3g_m + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4L_3L_4R_3 + C_1C_3C_4$

10.735 INVALID-ORDER-735
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_1 R_3 g_m s}{2C_1 C_4 L_1 R_1 R_3 s^3 + R_1 + s^2 \left(C_1 L_1 R_1 + 2C_4 L_1 R_1 R_3 q_m + 2C_4 L_1 R_3 \right) + s \left(2C_4 R_1 R_3 + L_1 R_1 q_m + L_1 \right)}$$

10.736 INVALID-ORDER-736
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1 R_1 R_3 R_4 g_m s}{2 C_1 C_4 L_1 R_1 R_3 R_4 s^3 + 2 R_1 R_3 + R_1 R_4 + s^2 \left(2 C_1 L_1 R_1 R_3 + C_1 L_1 R_1 R_4 + 2 C_4 L_1 R_1 R_3 R_4 g_m + 2 C_4 L_1 R_3 R_4 \right) + s \left(2 C_4 R_1 R_3 R_4 + 2 L_1 R_1 R_3 g_m + L_1 R_1 R_4 g_m + 2 L_1 R_3 + L_1 R_4 \right)}$$

10.737 INVALID-ORDER-737
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1R_1R_3R_4g_ms^2 + L_1R_1R_3g_ms}{R_1 + s^3\left(2C_1C_4L_1R_1R_3 + C_1C_4L_1R_1R_4\right) + s^2\left(C_1L_1R_1 + 2C_4L_1R_1R_3g_m + C_4L_1R_1R_4g_m + 2C_4L_1R_3 + C_4L_1R_4\right) + s\left(2C_4R_1R_3 + C_4R_1R_4 + L_1R_1g_m + L_1\right)}$$

10.738 INVALID-ORDER-738
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_1R_3g_ms^3 + L_1R_1R_3g_ms}{C_1C_4L_1L_4R_1s^4 + R_1 + s^3\left(2C_1C_4L_1R_1R_3 + C_4L_1L_4R_1g_m + C_4L_1L_4\right) + s^2\left(C_1L_1R_1 + 2C_4L_1R_1R_3g_m + 2C_4L_1R_3 + C_4L_4R_1\right) + s\left(2C_4R_1R_3 + L_1R_1g_m + L_1\right)}$$

10.739 INVALID-ORDER-739
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{L_1L_4R_1R_3g_ms^2}{2C_1C_4L_1L_4R_1R_3s^4 + 2R_1R_3 + s^3\left(C_1L_1L_4R_1 + 2C_4L_1L_4R_1R_3g_m + 2C_4L_1L_4R_3\right) + s^2\left(2C_1L_1R_1R_3 + 2C_4L_4R_1R_3 + L_1L_4R_1g_m + L_1L_4\right) + s\left(2L_1R_1R_3g_m + 2L_1R_3 + L_4R_1\right)}$$

10.740 INVALID-ORDER-740
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

$$H(s) = \frac{C_4L_1L_4R_1R_3g_ms^3 + C_4L_1R_1R_3g_ms^2 + L_1R_1R_3g_ms}{C_1C_4L_1L_4R_1s^4 + R_1 + s^3\left(2C_1C_4L_1R_1R_3 + C_1C_4L_1R_1R_4 + C_4L_1L_4R_1g_m + C_4L_1L_4\right) + s^2\left(C_1L_1R_1 + 2C_4L_1R_1R_3g_m + C_4L_1R_1R_4g_m + 2C_4L_1R_3 + C_4L_1R_4 + C_4L_4R_1\right) + s\left(2C_4R_1R_3 + C_4R_1R_4 + L_1R_1g_m + L_1\right)}$$

10.741 INVALID-ORDER-741
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{L_1L_4R_1R_3R_4g_ms^2}{2C_1C_4L_1L_4R_1R_3R_4s^4 + 2R_1R_3R_4 + s^3\left(2C_1L_1L_4R_1R_3 + C_1L_1L_4R_1R_3 + C_4L_1L_4R_1R_3R_4g_m + 2C_4L_1L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C$$

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10.742 INVALID-ORDER-742 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_4L_1L_4R_1R_3R_4g_ms^3 + L_1L_4R_1R_3g_ms^2 + L_1R_1R_3R_4g_ms}{2R_1R_3 + R_1R_4 + s^4\left(2C_1C_4L_1L_4R_1R_3 + C_1C_4L_1L_4R_1R_4\right) + s^3\left(C_1L_1L_4R_1 + 2C_4L_1L_4R_1R_3g_m + C_4L_1L_4R_1R_3 + C_4L_1L_4R_1 + s^4\left(2C_1C_4L_1L_4R_1R_3 + C_4L_4R_1R_3 
10.743 INVALID-ORDER-743 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_4L_1L_4R_1R_3R_4g_ms^3 + L_1R_1R_3R_4g_ms}{2R_1R_3 + R_1R_4 + s^4\left(2C_1C_4L_1L_4R_1R_3 + C_1C_4L_1L_4R_1R_3R_4 + 2C_4L_1L_4R_1R_3g_m + C_4L_1L_4R_1R_3g_m + 2C_4L_1L_4R_3 + C_4L_1L_4R_3 + C_4L_1L_4R_1R_3 + C_4L_4R_1R_3 + C_4L
10.744 INVALID-ORDER-744 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                               H(s) = \frac{L_1 R_1 R_4 g_m s}{C_1 C_3 L_1 R_1 R_4 s^3 + 2R_1 + s^2 \left(2 C_1 L_1 R_1 + C_3 L_1 R_1 R_4 g_m + C_3 L_1 R_4\right) + s \left(C_3 R_1 R_4 + 2L_1 R_1 g_m + 2L_1\right)}
10.745 INVALID-ORDER-745 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                               H(s) = \frac{L_1 R_1 R_4 g_m s}{2 R_1 + s^3 \left( C_1 C_3 L_1 R_1 R_4 + 2 C_1 C_4 L_1 R_1 R_4 \right) + s^2 \left( 2 C_1 L_1 R_1 + C_3 L_1 R_1 R_4 g_m + C_3 L_1 R_4 + 2 C_4 L_1 R_1 R_4 g_m + 2 C_4 L_1 R_4 \right) + s \left( C_3 R_1 R_4 + 2 C_4 R_1 R_4 + 2 L_1 R_1 g_m + 2 L_1 \right)}
10.746 INVALID-ORDER-746 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                        H(s) = \frac{C_4L_1R_1R_4g_ms + L_1R_1g_m}{C_1C_3C_4L_1R_1R_4s^3 + C_3R_1 + 2C_4R_1 + s^2\left(C_1C_3L_1R_1 + 2C_1C_4L_1R_1 + C_3C_4L_1R_1R_4g_m + C_3C_4L_1R_4\right) + s\left(C_3C_4R_1R_4 + C_3L_1R_1g_m + C_3L_1 + 2C_4L_1R_1g_m + 2C_4L_1\right)}
10.747 INVALID-ORDER-747 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                  H(s) = \frac{C_4L_1L_4R_1g_ms^2 + L_1R_1g_m}{C_1C_3C_4L_1L_4R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(C_3C_4L_1L_4R_1g_m + C_3C_4L_1L_4\right) + s^2\left(C_1C_3L_1R_1 + 2C_1C_4L_1R_1 + C_3C_4L_4R_1\right) + s\left(C_3L_1R_1g_m + C_3L_1 + 2C_4L_1R_1g_m + 2C_4L_1\right)}
10.748 INVALID-ORDER-748 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                           H(s) = \frac{L_1 L_4 R_1 g_m s^2}{2R_1 + s^4 \left(C_1 C_3 L_1 L_4 R_1 + 2 C_1 C_4 L_1 L_4 R_1\right) + s^3 \left(C_3 L_1 L_4 R_1 g_m + C_3 L_1 L_4 + 2 C_4 L_1 L_4 R_1 g_m + 2 C_4 L_1 L_4\right) + s^2 \left(2 C_1 L_1 R_1 + C_3 L_4 R_1 + 2 C_4 L_4 R_1\right) + s \left(2 L_1 R_1 g_m + 2 L_1\right)}
10.749 INVALID-ORDER-749 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_{3s}}, L_4 s + R_4 + \frac{1}{C_{4s}}, \infty, \infty\right)
                             H(s) = \frac{C_4L_1L_4R_1g_ms^2 + C_4L_1R_1R_4g_ms + L_1R_1g_m}{C_1C_3C_4L_1L_4R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(C_1C_3C_4L_1R_1R_4 + C_3C_4L_1L_4R_1g_m + C_3C_4L_1L_4\right) + s^2\left(C_1C_3L_1R_1 + 2C_1C_4L_1R_1 + C_3C_4L_1R_1R_4g_m + C_3C_4L_1R_1\right) + s\left(C_3C_4R_1R_4 + C_3L_1R_1g_m + C_3L_1 + 2C_4L_1R_1g_m + 2C_4L_1\right)}
10.750 INVALID-ORDER-750 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
        H(s) = \frac{L_1L_4R_1R_4g_ms^2}{2R_1R_4 + s^4\left(C_1C_3L_1L_4R_1R_4 + 2C_1C_4L_1L_4R_1R_4\right) + s^3\left(2C_1L_1L_4R_1 + C_3L_1L_4R_1R_4g_m + C_3L_1L_4R_1R_4g_m + 2C_4L_1L_4R_1\right) + s^2\left(2C_1L_1R_1R_4 + 2C_4L_4R_1R_4 + 2C_4L_4R_1R_4
10.751 INVALID-ORDER-751 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                             \frac{C_4L_1L_4R_1R_4g_ms^3 + L_1L_4R_1g_ms^2 + L_1R_1R_4g_ms}{C_1C_3C_4L_1L_4R_1 + 2C_1C_4L_1L_4R_1 + C_3C_4L_1L_4R_1R_4g_m + C_3C_4L_1L_4R_1R_4 + C_3L_4L_4R_1g_m + C_3L_4L_4R_1g_m + C_3L_4L_4R_1g_m + C_3L_4L_4R_1g_m + C_3L_4L_4R_1g_m + C_3L_4R_1g_m + C_3L_4R_1g
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10.752 INVALID-ORDER-752 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.753 INVALID-ORDER-753 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                         H(s) = \frac{L_1 R_1 R_3 R_4 g_m s}{C_1 C_3 L_1 R_1 R_3 R_4 s^3 + 2 R_1 R_3 + R_1 R_4 + s^2 \left(2 C_1 L_1 R_1 R_3 + C_1 L_1 R_1 R_4 + C_3 L_1 R_1 R_3 R_4 g_m + C_3 L_1 R_3 R_4 \right) + s \left(C_3 R_1 R_3 R_4 + 2 L_1 R_1 R_3 g_m + L_1 R_1 R_4 g_m + 2 L_1 R_3 + L_1 R_4 \right)}
10.754 INVALID-ORDER-754 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                           H(s) = \frac{L_1 R_1 R_3 g_m s}{R_1 + s^3 \left(C_1 C_3 L_1 R_1 R_3 + 2 C_1 C_4 L_1 R_1 R_3\right) + s^2 \left(C_1 L_1 R_1 + C_3 L_1 R_1 R_3 g_m + C_3 L_1 R_3 + 2 C_4 L_1 R_1 R_3 g_m + 2 C_4 L_1 R_3\right) + s \left(C_3 R_1 R_3 + 2 C_4 R_1 R_3 + L_1 R_1 g_m + L_1\right)}{R_1 R_2 R_3 R_3 + 2 C_4 R_1 R_3 + 2 C_4 R_1
10.755 INVALID-ORDER-755 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                       H(s) = \frac{L_1 R_1 R_3 R_4 g_m s}{2 R_1 R_3 + R_1 R_4 + s^3 \left( C_1 C_3 L_1 R_1 R_3 R_4 + 2 C_1 C_4 L_1 R_1 R_3 R_4 \right) + s^2 \left( 2 C_1 L_1 R_1 R_3 + C_1 L_1 R_1 R_4 + C_3 L_1 R_1 R_3 R_4 + 2 C_4 L_1 R_3 R_4 \right) + s \left( C_3 R_1 R_3 R_4 + 2 C_4 R_1 R_3
10.756 INVALID-ORDER-756 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.757 INVALID-ORDER-757 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                               \frac{C_4L_1L_4R_1R_3g_ms^3 + L_1R_1R_3g_ms}{C_1C_3C_4L_1L_4R_1R_3s^5 + R_1 + s^4\left(C_1C_4L_1L_4R_1 + C_3C_4L_1L_4R_1R_3g_m + C_3C_4L_1L_4R_3\right) + s^3\left(C_1C_3L_1R_1R_3 + 2C_1C_4L_1R_1R_3 + C_4L_1L_4R_1g_m + C_4L_1L_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_1R_3g_m + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_1R_3g_m + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_1R_3g_m + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_4\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3 + C_4L_1R_3\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3\right) + s^2\left(C_1L_1R_1 + C_3L_1R
10.758 INVALID-ORDER-758 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                  H(s) = \frac{L_1L_4R_1R_3g_ms^2}{2R_1R_3 + s^4\left(C_1C_3L_1L_4R_1R_3 + 2C_1C_4L_1L_4R_1R_3\right) + s^3\left(C_1L_1L_4R_1 + C_3L_1L_4R_1R_3g_m + C_3L_1L_4R_3 + 2C_4L_1L_4R_3\right) + s^2\left(2C_1L_1R_1R_3 + C_3L_4R_1R_3 + 2C_4L_4R_1R_3 + L_1L_4R_1g_m + L_1L_4\right) + s\left(2L_1R_1R_3g_m + 2L_1R_3 + L_4R_1\right)}
10.759 INVALID-ORDER-759 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_4L_1L_4R_1R_3g_ms^3 + C_4L_1R_1R_3R_4g_ms^2 + L_1R_1R_3g_ms
H(s) = \frac{C_4L_1L_4R_1R_3g_ms^{\circ} + C_4L_1R_1R_3g_ms^{\circ} + C_4L_1R_1R_3g_ms^{\circ} + L_1R_1R_3g_ms^{\circ}}{C_1C_3C_4L_1L_4R_1R_3s^5 + R_1 + s^4\left(C_1C_3C_4L_1R_1R_3 + C_4C_4L_1L_4R_1 + C_3C_4L_1R_1R_3 + C_4C_4L_1R_1R_3 + C_4C_4L_1R_1R
10.760 INVALID-ORDER-760 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
H(s) = \frac{L_1L_4R_1R_3R_4g_ms^2}{2R_1R_3R_4 + s^4\left(C_1C_3L_1L_4R_1R_3R_4 + 2C_1C_4L_1L_4R_1R_3R_4\right) + s^3\left(2C_1L_1L_4R_1R_3 + C_1L_1L_4R_1R_3 + C_3L_1L_4R_1R_3R_4 + 2C_4L_1L_4R_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4 + 2C_4L_4R_1R_3R_4 + 2C_4L_4R_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4 + 2C_4L_4R_1R_4\right) + s^2\left(2C_1L_1R_1R_3R_4 + 2C_4L_4R_1R_4\right) + s^2\left(2C_1L_1R_1R_4 + 2C_4L_4R_1R_4\right)
10.761 INVALID-ORDER-761 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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 $\frac{C_4 L_1 L_4 R_1 R_3 R_4 s^5 + 2 R_1 R_3 + R_1 R_4 + s^4 (C_1 C_3 L_1 L_4 R_1 R_3 + 2 C_1 C_4 L_1 L_4 R_1 R_3 + C_1 C_4 L_1 L_4 R_1 R_3 + C_3 C_4 L_1 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_4 R_1 R_3 R_4 + C_1 L_1 L_4 R_1 R_3 R_4 + C_1 L_1 L_4 R_1 R_3 R_4 + C_3 L_4 L_4 R_4 R_4 R_4 R$

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10.762 INVALID-ORDER-762 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.763 INVALID-ORDER-763 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                              H(s) = \frac{C_3L_1R_1R_3R_4g_ms^2 + L_1R_1R_4g_ms}{2R_1 + s^3\left(2C_1C_3L_1R_1R_3 + C_1C_3L_1R_1R_4\right) + s^2\left(2C_1L_1R_1 + 2C_3L_1R_1R_3g_m + C_3L_1R_1R_4g_m + 2C_3L_1R_3 + C_3L_1R_4\right) + s\left(2C_3R_1R_3 + C_3R_1R_4 + 2L_1R_1g_m + 2L_1\right)}{2R_1 + s^3\left(2C_1C_3L_1R_1R_3 + C_1C_3L_1R_1R_4\right) + s^2\left(2C_1L_1R_1 + 2C_3L_1R_1R_3g_m + C_3L_1R_1R_4g_m + 2C_3L_1R_3 + C_3L_1R_4\right) + s\left(2C_3R_1R_3 + C_3R_1R_4 + 2L_1R_1g_m + 2L_1\right)}
10.764 INVALID-ORDER-764 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                             H(s) = \frac{C_3L_1R_1R_3g_ms + L_1R_1g_m}{2C_1C_3C_4L_1R_1R_3s^3 + C_3R_1 + 2C_4R_1 + s^2\left(C_1C_3L_1R_1 + 2C_1C_4L_1R_1 + 2C_3C_4L_1R_1R_3g_m + 2C_3C_4L_1R_3\right) + s\left(2C_3C_4R_1R_3 + C_3L_1R_1g_m + C_3L_1 + 2C_4L_1R_1g_m + 2C_4L_1\right)}
10.765 INVALID-ORDER-765 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                  \frac{C_{3}L_{1}R_{1}R_{3}R_{4}g_{m}s^{2}+L_{1}R_{1}R_{4}g_{m}s}{2C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}R_{4}s^{4}+2R_{1}+s^{3}\left(2C_{1}C_{3}L_{1}R_{1}R_{3}+C_{1}C_{3}L_{1}R_{1}R_{4}+2C_{3}C_{4}L_{1}R_{1}R_{3}R_{4}g_{m}+2C_{3}C_{4}L_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}L_{1}R_{1}+2C_{3}C_{4}L_{1}R_{3}R_{4}+2C_{3}L_{1}R_{1}R_{3}g_{m}+C_{3}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{4}g_{m}+2C_{4}L_{1}R_{1}R_{1}R_{2}g_{m}+2C_{4}L_{1}R_{1}R_{1}R_{2}g_{m}+2C_{4}L_{1}R_{1}R_{1}R_{2}g_{m}+2C_{4}L_{1}R_{1}R_{2}g_{m}+2C_{4}L_{1}R_{1
10.766 INVALID-ORDER-766 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                            H(s) = \frac{C_3C_4L_1R_1R_3R_4g_ms^2 + L_1R_1g_m + s\left(C_3L_1R_1R_3g_m + C_4L_1R_1R_4g_m\right)}{C_3R_1 + 2C_4R_1 + s^3\left(2C_1C_3C_4L_1R_1R_3 + C_1C_3C_4L_1R_1R_4\right) + s^2\left(C_1C_3L_1R_1 + 2C_3C_4L_1R_1R_3g_m + C_3C_4L_1R_1R_4g_m + 2C_3C_4L_1R_3 + C_3C_4L_1R_3 + C_3C_4L_
10.767 INVALID-ORDER-767 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                         H(s) = \frac{C_3C_4L_1L_4R_1R_3g_ms^3 + C_3L_1R_1R_3g_ms + C_4L_1L_4R_1g_ms^2 + L_1R_1g_m}{C_1C_3C_4L_1L_4R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(2C_1C_3C_4L_1R_1R_3 + C_3C_4L_1L_4R_1g_m + C_3C_4L_1R_1 + 2C_1C_4L_1R_1 + 2C_3C_4L_1R_1R_3g_m + 2C_3C_4L_1R_3 + C_3C_4L_1R_3 + C_3C_4L_1R_3
10.768 INVALID-ORDER-768 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_1L_4R_1R_3g_ms^3 + L_1L_4R_1g_ms^2}{2C_1C_3C_4L_1L_4R_1R_3s^5 + 2R_1 + s^4\left(C_1C_3L_1L_4R_1 + 2C_3C_4L_1L_4R_1R_3g_m + 2C_3C_4L_1L_4R_3\right) + s^3\left(2C_1C_3L_1R_1R_3 + 2C_3C_4L_1L_4R_1g_m + C_3L_1L_4R_1g_m + 2C_4L_1L_4\right) + s^2\left(2C_1L_1R_1 + 2C_3L_1R_1R_3g_m + 2C_3L_1
10.769 INVALID-ORDER-769 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_2 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                  \frac{C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}s^{3}+L_{1}R_{1}g_{m}+s^{2}\left(C_{3}C_{4}L_{1}R_{1}R_{3}R_{4}g_{m}+C_{4}L_{1}L_{4}R_{1}g_{m}\right)+s\left(C_{3}L_{1}R_{1}R_{3}g_{m}+C_{4}L_{1}R_{1}R_{4}g_{m}\right)}{C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}s^{4}+C_{3}C_{4}L_{1}R_{1}s^{4}+C_{3}C_{4}L_{1}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}R_{1}+2C_{1}C_{4}L_{1}R_{1}+2C_{1}C_{4}L_{1}R_{1}+2C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{1}R_{3}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{1}+2C_{1}C_{4}L_{1}R_{1}+2C_{1}C_{4}L_{1}R_{1}+2C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{1}R_{3}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}C_{4}L_{1}R_{4}+C_{3}
10.770 INVALID-ORDER-770 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
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 $H(s) = \frac{C_3C_4L_1L_4R_1R_3R_4g_ms^4 + L_1R_1R_4g_ms + s^3\left(C_3L_1L_4R_1R_3g_m + C_4L_1L_4R_1R_4g_m\right) + s^2\left(C_3L_1R_1R_3g_m + C_4L_1L_4R_1R_3g_m + C_4L_1L_4R_1R_4g_m\right) + s^2\left(C_3L_1R_1R_3 + C_4L_4R_1R_4g_m + C_4L_4R_4R_4g_m +$

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10.772 INVALID-ORDER-772 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{1}{2R_1 + s^5 \left(2C_1C_3C_4L_1L_4R_1R_3 + C_1C_3C_4L_1L_4R_1R_4\right) + s^4 \left(2C_1C_3C_4L_1R_1R_3R_4 + 2C_1C_4L_1L_4R_1 + 2C_3C_4L_1L_4R_1R_3g_m + C_3C_4L_1L_4R_3 + C_3
10.773 INVALID-ORDER-773 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                    H(s) = \frac{C_3L_1L_3R_1R_4g_ms^3 + L_1R_1R_4g_ms}{2C_1C_3L_1L_3R_1s^4 + 2R_1 + s^3\left(C_1C_3L_1R_1R_4 + 2C_3L_1L_3R_1g_m + 2C_3L_1L_3\right) + s^2\left(2C_1L_1R_1 + C_3L_1R_1R_4g_m + C_3L_1R_4 + 2C_3L_3R_1\right) + s\left(C_3R_1R_4 + 2L_1R_1g_m + 2L_1\right)}{2C_1C_3L_1L_3R_1s^4 + 2R_1 + s^3\left(C_1C_3L_1R_1R_4 + 2C_3L_1L_3R_1g_m + 2C_3L_1L_3\right) + s^2\left(2C_1L_1R_1 + C_3L_1R_1R_4g_m + C_3L_1R_4 + 2C_3L_3R_1\right) + s\left(C_3R_1R_4 + 2L_1R_1g_m + 2L_1\right)}
10.774 INVALID-ORDER-774 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                   H(s) = \frac{C_3L_1L_3R_1g_ms^2 + L_1R_1g_m}{2C_1C_3C_4L_1L_3R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(2C_3C_4L_1L_3R_1g_m + 2C_3C_4L_1L_3\right) + s^2\left(C_1C_3L_1R_1 + 2C_3C_4L_1R_1 + 2C_3C_4L_3R_1\right) + s\left(C_3L_1R_1g_m + C_3L_1 + 2C_4L_1R_1g_m + 2C_4L_1R_1\right)}{2C_1C_3C_4L_1L_3R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(2C_3C_4L_1L_3R_1g_m + 2C_3C_4L_1R_1\right) + s\left(C_3L_1R_1g_m + C_3L_1R_1g_m + 2C_4L_1R_1g_m + 2C_4L_1R_1\right)}
10.775 INVALID-ORDER-775 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
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 $H(s) = \frac{C_3L_1L_3R_1R_4g_ms^3 + L_1R_1R_4g_ms}{2C_1C_3C_4L_1L_3R_1R_4s^5 + 2R_1 + s^4\left(2C_1C_3L_1L_3R_1 + 2C_3C_4L_1L_3R_1R_4g_m + 2C_3C_4L_1R_1R_4 + 2C_3C_4L_1R_1R_4 + 2C_3C_4L_1R_1R_4 + 2C_3L_1L_3R_1R_4 + 2C_3L_1L_3R_1R_4g_m + 2C_3L_1L_3R_1R_4g_m + 2C_3L_1R_1R_4g_m + 2C_3L_$

10.776 INVALID-ORDER-776 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3R_1R_4g_ms^3 + C_3L_1L_3R_1g_ms^2 + C_4L_1R_1R_4g_ms + L_1R_1g_m}{2C_1C_3C_4L_1L_3R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(C_1C_3C_4L_1R_1R_4 + 2C_3C_4L_1L_3R_1g_m + 2C_4L_1R_1 + 2C_4C_4L_1R_1 + 2C_4C_4L_1R_$

10.777 INVALID-ORDER-777 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$ $H(s) = \frac{C_3C_4L_1L_3L_4R_1g_ms^4 + L_1R_1g_m + s^2\left(C_3L_1L_3R_1g_m + C_4L_1L_4R_1g_m\right)}{C_3R_1 + 2C_4R_1 + s^4\left(2C_1C_3C_4L_1L_3R_1 + C_1C_3C_4L_1L_4R_1\right) + s^3\left(2C_3C_4L_1L_3R_1g_m + 2C_3C_4L_1L_4R_1g_m + C_3C_4L_1L_4\right) + s^2\left(C_1C_3L_1R_1 + 2C_3C_4L_1R_1 + 2C_3C_4L_1R_1\right) + s\left(C_3L_1R_1g_m + C_3L_1R_1g_m + C_3L_1R_1g_m + C_3L_1R_1g_m + C_3L_1R_1g_m\right)}$

10.778 INVALID-ORDER-778 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_3L_1L_3L_4R_1g_ms^4 + L_1L_4R_1g_ms^2}{2C_1C_3C_4L_1L_3L_4R_1s^6 + 2R_1 + s^5\left(2C_3C_4L_1L_3L_4R_1g_m + 2C_3C_4L_1L_3L_4\right) + s^4\left(2C_1C_3L_1L_3R_1 + C_1C_3L_1L_4R_1 + 2C_3C_4L_1L_4R_1\right) + s^3\left(2C_3L_1L_3R_1g_m + 2C_3L_1L_3 + C_3L_1L_4R_1g_m + 2C_4L_1L_4\right) + s^2\left(2C_1L_1R_1 + 2C_3L_4R_1g_m + 2C_4L_1L_4\right) + s^2\left(2C_1L_1R_1 + 2C_3L_4R_1g_m + 2C_4L_1L_4\right) + s^2\left(2C_1L_1R_1 + 2C_3L_4R_1g_m + 2C_4L_4R_1g_m + 2C_4L_4R_1g$

10.779 INVALID-ORDER-779 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_3C_4L_1L_3L_4R_1g_ms^4 + C_3C_4L_1L_3R_1R_4g_ms^3 + C_4L_1R_1g_m + s^2\left(C_3L_1L_3R_1g_m + C_4L_1L_4R_1g_m\right)}{C_3R_1 + 2C_4R_1 + s^4\left(2C_1C_3C_4L_1L_3R_1 + C_1C_3C_4L_1L_4R_1\right) + s^3\left(C_1C_3C_4L_1R_1R_4 + 2C_3C_4L_1R_1R_4 + 2C_3C_4L_1L_3R_1g_m + C_3C_4L_1L_4\right) + s^2\left(C_1C_3L_1R_1 + 2C_1C_4L_1R_1 + C_3C_4L_1R_1 + C_3C_4L_1R_4 + 2C_3C_4L_1R_4\right) + s^2\left(C_3C_4L_1R_1R_4 + 2C_3C_4L_1R_4 + 2C_3C_4L_1R_4\right) + s^2\left(C_3C_4L_1R_4 + 2C_3C_4L_1R_4 + 2C_3C_4L_1R_4\right) + s^2\left(C_3C_4L_1R_4 + 2C_3C_4L_1R_4\right) + s^2\left(C_3C_4L_1R_4\right) + s^2\left(C_3C_4L_1R_4\right)$

10.780 INVALID-ORDER-780 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{C_3L_1L_3L_4R_1R_4s^6 + 2R_1R_4 + s^5\left(2C_1C_3L_1L_3L_4R_1 + 2C_3C_4L_1L_3L_4R_1 + s^4\left(2C_1C_3L_1L_3R_1R_4 + C_1C_3L_1L_4R_1R_4 + 2C_3C_4L_1L_3L_4R_1R_4 + 2C_3C_4L_1L_3L_4R_1R_4 + 2C_3C_4L_1L_3L_4R_1R_4 + 2C_3C_4L_1L_3L_4R_1R_4 + 2C_3C_4L_1L_3L_4R_1R_4 + 2C_3C_4L_1L_3L_4R_1R_4 + 2C_3C_4L_3L_4R_1R_4 + 2C_3C_4L_3L_4R_1$

10.781 INVALID-ORDER-781 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m}s^{5} + C_{3}L_{1}L_{3}L_{4}R_{1}g_{m}s^{4} + L_{1}L_{4}R_{1}g_{m}s^{2} + L_{1}R_{1}R_{4}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{4}g_{m}s^{4} + L_{1}L_{4}R_{1}g_{m}s^{2} + L_{1}R_{1}R_{4}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{4}g_{m}s^{4} + L_{1}L_{4}R_{1}g_{m}s^{4} + L_{1}R_{1}R_{4}g_{m}s^{4} + L_{1}R_{1}R_{4}g_{m}s^{4} + L_{1}R_{1}R_{4}g_{m}s^{4} + L_{1}R_{1}R_{4}g_{m}s^{4} + L_{1}R_{1}R_{2}g_{m}s^{4} + L_{1}R_{2}g_{m}s^{4} + L$ $\frac{C_3C_4L_1L_3L_4R_1s^6 + 2R_1 + s^5\left(C_1C_3C_4L_1L_4R_1R_4 + 2C_3C_4L_1L_3L_4R_1g_ms^2 + L_1L_4R_1g_ms^2 + L_1L_4R_1g$

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10.782 INVALID-ORDER-782 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_1s^6 + 2R_1 + s^5\left(2C_1C_3C_4L_1L_3R_1R_4 + C_1C_3C_4L_1L_3R_1R_4 + 2C_3C_4L_1L_3L_4R_1g_m + 2C_3C_4L_1L_3R_1 + 2C_3C_4L_1L_3R_1R_4g_m + 2C_3C_4L_1L_3R_1R_4g_m + 2C_3C_4L_1L_3R_1R_4g_m + 2C_3C_4L_1L_3R_4R_1g_m + 2C_3C_4L_1L_3R_4R_1g_m + 2C_3C_4L_1L_3R_4g_m +
10.783 INVALID-ORDER-783 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
                                                                                                                                                                  H(s) = \frac{L_1 L_3 R_1 R_4 g_m s^2}{C_1 C_3 L_1 L_3 R_1 R_4 s^4 + R_1 R_4 + s^3 \left(2 C_1 L_1 L_3 R_1 + C_3 L_1 L_3 R_1 R_4 q_m + C_3 L_1 L_3 R_4 \right) + s^2 \left(C_1 L_1 R_1 R_4 + C_3 L_3 R_1 R_4 + 2 L_1 L_3 R_1 q_m + 2 L_1 L_3\right) + s \left(L_1 R_1 R_4 q_m + L_1 R_4 + 2 L_3 R_1\right)}
10.784 INVALID-ORDER-784 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                    H(s) = \frac{L_1 L_3 R_1 g_m s^2}{R_1 + s^4 \left(C_1 C_3 L_1 L_3 R_1 + 2 C_1 C_4 L_1 L_3 R_1\right) + s^3 \left(C_3 L_1 L_3 R_1 g_m + C_3 L_1 L_3 + 2 C_4 L_1 L_3 R_1 g_m + 2 C_4 L_1 L_3\right) + s^2 \left(C_1 L_1 R_1 + C_3 L_3 R_1 + 2 C_4 L_3 R_1\right) + s \left(L_1 R_1 g_m + L_1\right)}
10.785 INVALID-ORDER-785 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                   H(s) = \frac{L_1 L_3 R_1 R_4 g_m s^2}{R_1 R_4 + s^4 \left(C_1 C_3 L_1 L_3 R_1 R_4 + 2 C_1 C_4 L_1 L_3 R_1 R_4\right) + s^3 \left(2 C_1 L_1 L_3 R_1 + C_3 L_1 L_3 R_1 R_4 + 2 C_4 L_1 L_3 R_4\right) + s^2 \left(C_1 L_1 R_1 R_4 + C_3 L_3 R_1 R_4 + 2 C_4 L_3 R_1 R_4 + 2 L_1 L_3 R_1 g_m + 2 L_1 L_3\right) + s \left(L_1 R_1 R_4 g_m + L_1 R_4 + 2 L_3 R_1\right)}
10.786 INVALID-ORDER-786 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_4 L_1 L_3 R_1 R_4 g_m s^3 + L_1 L_3 R_1 g_m s^2}{C_1 C_3 C_4 L_1 L_3 R_1 R_4 s^5 + R_1 + s^4 \left(C_1 C_3 L_1 L_3 R_1 + 2 C_1 C_4 L_1 L_3 R_1 + C_3 C_4 L_1 L_3 R_1 + C_3 C_4 L_1 L_3 R_1 R_4 + C_3 C_4 L_1 R_1 R_4 + C_3 C_4 L_1 L_3 R_1 g_m + C_4 L_1 L_3 R_1 g_m + C_4 L_1 R_1 R_4 g_m + C_4 L_1 R_1 R_
10.787 INVALID-ORDER-787 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_4 L_1 L_3 L_4 R_1 g_m s^4 + L_1 L_3 R_1 g_m s^2}{C_1 C_3 C_4 L_1 L_3 L_4 R_1 g_m + C_3 C_4 L_1 L_3 L_4 R_1 g_m + C_3 C_4 L_1 L_3 R_1 + C_1 C_4 L_1 L_3 R_1 + C_1 C_4 L_1 L_4 R_1 + C_3 C_4 L_1 L_3 R_1 g_m + C_3 L_1 L_3 + C_4 L_1 L_3 R_1 g_m + C_4 L_1 L_4 R_1 g_m + C_4 L_4 R_4 g_m + C_4 L_
10.788 INVALID-ORDER-788 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                       H(s) = \frac{L_1L_3L_4R_1g_ms^2}{2L_3R_1 + L_4R_1 + s^4\left(C_1C_3L_1L_3L_4R_1 + 2C_1C_4L_1L_3L_4R_1\right) + s^3\left(C_3L_1L_3L_4R_1g_m + C_3L_1L_3L_4 + 2C_4L_1L_3L_4\right) + s^2\left(2C_1L_1L_3R_1 + C_1L_1L_4R_1 + C_3L_3L_4R_1\right) + s\left(2L_1L_3R_1g_m + 2L_1L_3 + L_1L_4R_1g_m + L_1L_4\right)}
10.789 INVALID-ORDER-789 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_4 L_1 L_3 L_4 R_1 g_m s^4 + C_4 L_1 L_3 R_1 R_4 g_m s^3 + L_1 L_3 R_1 g_m s^2}{C_1 C_3 C_4 L_1 L_3 L_4 R_1 s^6 + R_1 + s^5 \left(C_1 C_3 C_4 L_1 L_3 R_1 R_4 + C_3 C_4 L_1 L_3 R_1 + C_1 C_4 
10.790 INVALID-ORDER-790 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
H(s) = \frac{L_1L_3L_4R_1R_4g_ms^2}{2L_3R_1R_4 + L_4R_1R_4 + s^4\left(C_1C_3L_1L_3L_4R_1R_4 + 2C_1C_4L_1L_3L_4R_1R_4 + C_3L_1L_3L_4R_1R_4 + 2C_4L_1L_3L_4R_1R_4 + C_4L_1L_3L_4R_1R_4 + C_4L_3L_4R_1R_4 + C_4
10.791 INVALID-ORDER-791 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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 $\frac{C_4 L_1 L_3 L_4 R_1 R_4 s^6 + R_1 R_4 + s^5 \left(C_1 C_3 L_1 L_3 L_4 R_1 + C_3 C_4 L_1 L_3 L_4 R_1 R_4 + C_3 C_4 L_1 L_3 L_4$

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10.792 INVALID-ORDER-792 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
10.793 INVALID-ORDER-793 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                               H(s) = \frac{C_3L_1L_3R_1R_4g_ms^3 + C_3L_1R_1R_3R_4g_ms^2 + L_1R_1R_4g_ms}{2C_1C_3L_1L_3R_1s^4 + 2R_1 + s^3\left(2C_1C_3L_1R_1R_3 + C_1C_3L_1R_1R_4 + 2C_3L_1L_3R_1g_m + 2C_3L_1L_3\right) + s^2\left(2C_1L_1R_1 + 2C_3L_1R_1R_3g_m + C_3L_1R_1R_4g_m + 2C_3L_1R_3 + C_3L_1R_4 + 2C_3L_3R_1\right) + s\left(2C_3R_1R_3 + C_3R_1R_4 + 2L_1R_1g_m + 2L_1\right)}
10.794 INVALID-ORDER-794 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                 H(s) = \frac{C_3L_1L_3R_1g_ms^2 + C_3L_1R_1g_ms + L_1R_1g_m}{2C_1C_3C_4L_1L_3R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(2C_1C_3C_4L_1R_1R_3 + 2C_3C_4L_1L_3R_1g_m + 2C_3C_4L_1R_1 + 2C_3C_4L_1R_1 + 2C_3C_4L_1R_3 + 2C_3C_4L_1R_3 + 2C_3C_4L_1R_3 + 2C_3C_4L_1R_3 + 2C_3C_4L_1R_3 + 2C_4C_4L_1R_1g_m + 2C_4L_1R_1g_m + 2C_
10.795 INVALID-ORDER-795 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_3L_1L_3R_1R_4g_ms^3 + C_3L_1R_1R_3R_4g_ms^2 + L_1R_1R_4g_ms
                                     \frac{C_3L_1L_3R_1R_4g_ms + C_3L_1R_1R_3I_4g_ms + L_1R_1R_4g_ms}{2C_1C_3C_4L_1L_3R_1R_4s^5 + 2R_1 + s^4\left(2C_1C_3C_4L_1R_1R_3R_4 + 2C_1C_3L_1L_3R_1 + 2C_3C_4L_1L_3R_1R_4g_m + 2C_3C_4L_1R_1R_3 + C_1C_3L_1R_1R_4 + 2C_3C_4L_1R_1R_3R_4 + 2C_3C_4L_1R_3R_4 + 2C_3C_4L_1
10.796 INVALID-ORDER-796 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3R_1R_4g_ms^3 + L_1R_1g_m + s^2\left(C_3C_4L_1R_1R_3R_4g_m + C_3L_1L_3R_1g_m\right) + s\left(C_3L_1R_1R_3g_m + C_4L_1R_1R_4g_m\right)}{2C_1C_3C_4L_1L_3R_1s^4 + C_3R_1 + 2C_4R_1 + s^3\left(2C_1C_3C_4L_1R_1R_3 + C_1C_3C_4L_1R_1R_4 + 2C_3C_4L_1R_1\right) + s^2\left(C_1C_3L_1R_1 + 2C_3C_4L_1R_1R_3g_m + C_3C_4L_1R_1R_4g_m + 2C_3C_4L_1R_3 + C_3C_4L_1R_3 + C_3C_4L_
10.797 INVALID-ORDER-797 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_1g_ms^4 + C_3C_4L_1L_4R_1g_ms^3 + C_3L_1R_1R_3g_ms + L_1R_1g_m + s^2\left(C_3L_1L_3R_1g_m + C_4L_1L_4R_1g_m\right)}{C_3R_1 + 2C_4R_1 + s^4\left(2C_1C_3C_4L_1L_3R_1 + C_1C_3C_4L_1L_4R_1\right) + s^3\left(2C_1C_3C_4L_1R_1R_3 + 2C_3C_4L_1R_1R_3 + 2C_3C_4L_1L_4R_1g_m + C_3C_4L_1L_4\right) + s^2\left(C_1C_3L_1R_1 + 2C_3C_4L_1R_1R_3g_m + 2C_3C_4L_1R_3g_m + 2C_3C_4L_1
10.798 INVALID-ORDER-798 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_4 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_1L_3L_4R_1g_ms^4 + C_3L_1L_4R_1g_ms^4 + C_3L_1L_4R_1g_ms
10.799 INVALID-ORDER-799 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3L_4R_1g_ms^4 + L_1R_1g_m + s^3\left(C_3C_4L_1L_3R_1R_4g_m + C_3C_4L_1L_4R_1g_m\right) + s^2\left(C_3C_4L_1R_1R_3R_4g_m + C_3L_1L_3R_1g_m + C_4L_1L_4R_1g_m\right) + s\left(C_3L_1R_1R_3g_m + C_4L_1L_4R_1g_m\right) + s\left(C_3L_1R_1R_3g_m + C_4L_1L_4R_1g_m + C_4L_4R_1g_m\right) + s\left(C_3L_4R_1R_3g_m + C_4L_4R_1g_m + C_4L_4R_1g_m\right) + s\left(C_3L_4R_1R_3g_m + C_4L_4R_1g
10.800 INVALID-ORDER-800 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
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 $H(s) = \frac{1}{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}s^{6} + 2R_{1}R_{4} + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1} + 2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1} + 2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4} + 2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3} + 2C_{1}C_{3}L_{1}L_{4}R_{1}R_{4} + 2C_{1}C_{3}L_{1}L_{4}R_{1}R_{4} + 2C_{1}C_{4}L_{1}L_{4}R_{1}R_{4} + 2C_{3}C_{4}L_{1}L_{4}R_{1}R_{4} + 2C_{3}C_{$

10.801 INVALID-ORDER-801 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$

 $(s) = \frac{C_3C_4L_1L_3L_4R_1R_4g_ms^5 + L_1R_1R_4g_ms + s^4\left(C_3C_4L_1L_4R_1R_3 + C_4C_4L_1L_4R_1R_3 + C_4C_4L_1L_4R_1R_4g_ms^5 + L_1R_1R_4g_ms + s^4\left(C_3C_4L_1L_4R_1R_3 + C_4C_4L_4R_1R_4g_ms^5 + L_1R_4R_4g_ms^5 + L_1R_4R_4g_ms^$

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10.802 INVALID-ORDER-802 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{1}{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}s^{6} + 2R_{1} + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4} + 2C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3} + C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{4} + 2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4} + 2C_{3}C_{4}L_{1}L_{3}R_{4} + 2C_{3}C_{4}L_{1}L_{
10.803 INVALID-ORDER-803 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4, \infty, \infty\right)
H(s) = \frac{L_1 L_3 R_1 R_3 R_4 g_m s^2}{C_1 C_3 L_1 L_3 R_1 R_3 R_4 s^4 + R_1 R_3 R_4 + s^3 \left(2 C_1 L_1 L_3 R_1 R_3 + C_1 L_1 L_3 R_1 R_3 + C_3 L_1 L_3 R_1 R_3 R_4 + C_3 L_1 
10.804 INVALID-ORDER-804 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{1}{C_4 s}, \infty, \infty\right)
                                      H(s) = \frac{L_1L_3R_1R_3g_ms^2}{R_1R_3 + s^4\left(C_1C_3L_1L_3R_1R_3 + 2C_1C_4L_1L_3R_1R_3\right) + s^3\left(C_1L_1L_3R_1 + C_3L_1L_3R_1R_3g_m + C_3L_1L_3R_3 + 2C_4L_1L_3R_3\right) + s^2\left(C_1L_1R_1R_3 + C_3L_3R_1R_3 + 2C_4L_3R_1R_3 + L_1L_3R_1g_m + L_1L_3\right) + s\left(L_1R_1R_3g_m + L_1R_3 + L_3R_1\right) + s\left(L_1R_1R_3g_m + L_1R_3g_m + L_1R_3\right) + s\left(L_1R_1R_3g_m + L_1R_3g_m + L_1R_3g_m + L_1R_3\right) + s\left(L_1R_1R_3g_m + L_1R_3g_m + L_1
10.805 INVALID-ORDER-805 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
H(s) = \frac{L_1 L_3 R_1 R_3 R_4 g_m s^2}{R_1 R_3 R_4 + s^4 \left( C_1 C_3 L_1 L_3 R_1 R_3 R_4 + 2 C_1 C_4 L_1 L_3 R_1 R_3 R_4 + 2 C_4 L_1 L_3 R_1 R_4 + 2 C_4 L_1 L_3 R_1 R_3 R_4 + 2 C_4 L_1 L_3 R_1 R_4 + 2 C_4 L_1 L_3 R_1 R_4 + 2 C_4 L_1 L_3 R_1 R_4 + 2 C_4 L
10.806 INVALID-ORDER-806 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
10.807 INVALID-ORDER-807 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{ {\rm C}_4 L_1 L_3 L_4 R_1 R_3 s^6 + R_1 R_3 + s^5 \left( {C_1 C_4 L_1 L_3 L_4 R_1 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 g_m s^7 + L_1 L_3 R_1 R_3 + 2 C_1 C_4 L_1 L_3 R_1 R_3 + C_1 C_4 L_1 L_3 L_4 R_1 R_3 + C_4 L_1 L_3 L_4 R_1 R_
10.808 INVALID-ORDER-808 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{L_1 L_3 L_4 R_1 R_3 g_m s^2}{2 L_3 R_1 R_3 + L_4 R_1 R_3 + s^4 \left(C_1 C_3 L_1 L_3 L_4 R_1 R_3 + 2 C_1 C_4 L_1 L_3 L_4 R_1 R_3 + s^4 \left(C_1 C_3 L_1 L_3 L_4 R_1 R_3 + 2 C_4 L_1 L_3 L_4 R_1 R_
10.809 INVALID-ORDER-809 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                           \overline{C_1C_3C_4L_1L_3L_4R_1R_3s^6 + R_1R_3 + s^5\left(C_1C_3C_4L_1L_3R_1R_3R_4 + C_1C_4L_1L_3L_4R_1 + C_3C_4L_1L_3L_4R_1R_3 + C_1C_4L_1L_3R_1R_3 + C_1C_4L_1L_3R_1
10.810 INVALID-ORDER-810 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                         \frac{L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}s^{2}}{2L_{3}R_{1}R_{3}R_{4} + L_{4}R_{1}R_{3}R_{4} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}\right) + s^{3}\left(2C_{1}L_{1}L_{3}L_{4}R_{1}R_{3} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + 2C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}\right) + s^{2}\left(2C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}\right) + s^{2}\left(2C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}\right) + s^{2}\left(2C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} +
10.811 INVALID-ORDER-811 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                           \overline{C_1C_3C_4L_1L_3L_4R_1R_3R_4s^6 + R_1R_3R_4 + s^5\left(C_1C_3L_1L_3L_4R_1R_3 + 2C_1C_4L_1L_3L_4R_1R_3 + C_1C_4L_1L_3L_4R_1R_3R_4 + C_3C_4L_1L_3L_4R_1R_3R_4 + C_1C_4L_1L_3L_4R_1R_3R_4 +
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H(s) = \frac{1}{C_1 C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 s^6 + R_1 R_3 R_4 + s^5 \left(2 C_1 C_4 L_1 L_3 L_4 R_1 R_3 + C_1 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_1 L_3 L_4 R_1 R_3 R_4 + C_3 C_4 L_4 L_4 L_4 R_4 
10.813 INVALID-ORDER-813 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4, \infty, \infty\right)
H(s) = \frac{C_3L_1L_3R_1R_3R_4g_ms^3 + L_1L_3R_1R_4g_ms^2 + L_1R_1R_3R_4g_ms}{2R_1R_3 + R_1R_4 + s^4\left(2C_1C_3L_1L_3R_1R_3 + C_1C_3L_1L_3R_1R_4\right) + s^3\left(2C_1L_1L_3R_1 + 2C_3L_1L_3R_1R_3g_m + C_3L_1L_3R_1R_4g_m + 2C_3L_1L_3R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_1L_1R_1R_4 + 2C_3L_3R_1R_3 + C_3L_3R_1R_4 + 2L_1L_3R_1g_m + 2L_1L_3\right) + s\left(2L_1R_1R_3g_m + L_1R_1R_4g_m + 2C_3L_1R_1R_3g_m + C_3L_1R_3g_m + C_3L_
10.814 INVALID-ORDER-814 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3L_1L_3R_1R_3g_ms^3 + L_1L_3R_1g_ms^2 + L_1R_1R_3g_ms}{2C_1C_3C_4L_1L_3R_1R_3s^5 + R_1 + s^4\left(C_1C_3L_1L_3R_1 + 2C_3C_4L_1L_3R_1R_3g_m + 2C_3C_4L_1L_3R_3\right) + s^3\left(2C_1C_4L_1R_1R_3 + 2C_3C_4L_1R_3R_1R_3 + C_3L_1L_3R_1g_m + 2C_4L_1L_3\right) + s^2\left(C_1L_1R_1 + C_3L_3R_1 + 2C_4L_1R_3g_m + 2C_4L_1R_3R_3\right) + s^3\left(2C_1C_4L_1R_1R_3 + 2C_3C_4L_1R_3R_3 + C_3L_1L_3R_1g_m + 2C_4L_1L_3\right) + s^2\left(C_1L_1R_1 + C_3L_3R_1 + 2C_4L_1R_3R_3 + 2C_4L_1R_3R_3\right) + s^3\left(2C_1C_4L_1R_1R_3 + 2C_4L_1R_3R_3 + 2C_4L_1R_3R_3\right) + s^3\left(2C_1C_4L_1R_1R_3 + 2C_4L_1R_3R_3\right) + s^3\left(2C_1C_4L_1R_1R_3 + 2C_4L_1R_3R_3\right) + s^3\left(2C_1C_4L_1R_3R_3 + 2C_4L_1R_3R_3\right) + s^3\left(2C_1C_4L_1R_3R_3\right) + s^3\left(2C_1C_4L_1R_3
10.815 INVALID-ORDER-815 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)
                                                      \frac{C_3L_1L_3\kappa_1\kappa_3\kappa_4g_ms^{\circ} + L_3L_3L_3\kappa_1\kappa_3\kappa_4g_ms^{\circ} + L_3L_3L_3\kappa_1\kappa_3\kappa_4g_ms^{\circ} + L_3L_3L_3\kappa_1\kappa_3\kappa_4g_ms^{\circ} + L_3L_3L_3R_3\kappa_4s^{\circ} + L_3L_3R_3\kappa_4s^{\circ} + L_3
10.816 INVALID-ORDER-816 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
H(s) = \frac{C_3C_4L_1L_3R_1R_3R_4g_ms^4 + L_1R_1R_3g_ms + s^3\left(C_3L_1L_3R_1R_3g_m + C_4L_1L_3R_1R_4g_m\right) + s^2\left(C_4L_1R_1R_3R_4g_m\right) + s^2\left(C_4L_1R_1R_3R_4g_m + C_4L_1L_3R_1R_3g_m + C_4L_1L_3R_1R_3g_
10.817 INVALID-ORDER-817 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}s^{5} + C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{4} + L_{1}L_{3}R_{1}g_{m}s^{2} + L_{1}R_{1}R_{3}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{3}g_{m} + L_{1}L_{3}R_{1}R_{3}g_{m}\right) + C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{4} + L_{1}L_{3}R_{1}g_{m}s^{2} + L_{1}R_{1}R_{3}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{3}g_{m} + L_{1}L_{3}R_{1}R_{3}g_{m}\right) + C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{3}g_{m} + L_{1}L_{3}R_{1}R_{3}g_{m}\right) + C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{3}g_{m} + L_{1}L_{3}R_{1}R_{3}g_{m}\right) + C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{3}g_{m}\right) + C_{4}L_{1}L_{2}R_{1}R_{3}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{3}g_{m}\right) + C_{4}L_{1}L_{2}R_{1}R_{3}g_{m}s + s^{3}\left(C_{3}L_{1}L_{3}R_{1}R_{3}g_{m}\right) + C_{4}L_{1}L_{2}R_{1}R_{2
                                                      \frac{C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}s^{s}+C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}s+s^{s}+C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s}+L_{1}L_{3}R_{1}g_{m}s+s^{s
10.818 INVALID-ORDER-818 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_3L_1L_3L_4R_1R_3s^6 + 2L_1L_3L_4R_1R_3s^6 + 2L_1L_3L_4R_1 + 2C_1C_4L_1L_3L_4R_1 + 2C_3C_4L_1L_3L_4R_1R_3s^6 + 2L_1L_3L_4R_1R_3s^6 + 2L_1L_3L_3L_3R_1R_3s^6 + 2L_1L_3L_3L_3R_1R_3s^6 + 2L_1L_3L_3L_3R_1R_3s^6 + 2L_1L_3L_3L_3R_1R_3s^6
10.819 INVALID-ORDER-819 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_3C_4L_1L_3L_4R_1R_3g_ms^5 + L_1R_1R_3g_ms + s^4\left(C_3C_4L_1L_3R_1R_3R_4g_m + s^4\right)
                                                      \frac{C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}s^{6}+R_{1}+s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{3}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C_{4}L_{1}L_{1}R_{1}+C_{1}C
10.820 INVALID-ORDER-820 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)
                                                      \overline{2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}s^{6} + 2R_{1}R_{3}R_{4} + s^{5}\left(2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{4} + 2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3} + 2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{4}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{4}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{4}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{4}R_{1}R_{3}R_{4} + 2
10.821 INVALID-ORDER-821 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                      \overline{2R_{1}R_{3}+R_{1}R_{4}+s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}\right)+s^{5}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{4}C_{3}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}+2C_{3
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10.812 INVALID-ORDER-812 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{L_3 R_3 s}{C_3 L_3 R_3 s^2 + L_3 s + R_3}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$

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10.822 INVALID-ORDER-822 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{C_3 L_3 R_3 s^2 + L_3 s + R_3}{C_3 L_3 s^2 + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)
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 $H(s) = \frac{1}{2R_1R_3 + R_1R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3 + C_1C_3C_4L_1L_3L_4R_1R_4\right) + s^5\left(2C_1C_3C_4L_1L_3L_4R_1R_3R_4 + 2C_1C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_1R_4g_m + 2C_3C_4L_1L_3L_4R_3 + C_3C_4L_1L_3L_4R_4\right) + s^4\left(2C_1C_3L_4L_3L_4R_1R_3 + C_4C_3L_4L_3L_4R_1R_3g_m + C_3C_4L_4L_3L_4R_1R_3g_m + C_3C_4L_4L_3L_4R_3 + C_3C_4L_4L_3L_4R_4\right) + s^4\left(2C_1C_3L_4L_3L_4R_1R_3 + C_4C_3L_4L_3L_4R_1R_3 + C_4C_3L_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_3L_4R_1R_3 + C_4C_3C_4L_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_3L_4R_1R_3 + C_4C_3C_4L_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_3L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_4L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_4L_4L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_4L_4R_4\right) + s^4\left(2C_1C_3C_4L_4L_4L_4L_4L_4L_4L_4L_4L_4L_4L_4L$

10.823 INVALID-ORDER-823
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4, \infty, \infty\right)$$

 $H(s) = \frac{C_3L_1L_3R_1R_3R_4g_ms^3 + L_1R_1R_3R_4g_ms}{2R_1R_3 + R_1R_4 + s^4\left(2C_1C_3L_1L_3R_1R_3 + C_1C_3L_1L_3R_1R_4\right) + s^3\left(C_1C_3L_1R_1R_3R_4 + 2C_3L_1L_3R_1R_3g_m + C_3L_1L_3R_1R_4g_m + 2C_3L_1L_3R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_1L_1R_1R_4 + C_3L_1R_1R_3R_4g_m + C_3L_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_1L_1R_1R_4 + C_3L_1R_1R_3R_4g_m + C_3L_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_1L_1R_1R_4 + C_3L_1R_1R_3R_4g_m + C_3L_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_1L_1R_1R_4 + C_3L_1R_3R_4 + 2C_3L_3R_1R_3 + C_3L_3R_1R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_3L_1R_3R_4 + 2C_3L_3R_1R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_3L_1R_3R_4 + 2C_3L_3R_1R_4\right) + s^2\left(2C_1L_1R_1R_3 + C_3L_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3R_4\right) +$

10.824 INVALID-ORDER-824
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{1}{C_4 s}, \infty, \infty\right)$$

 $H(s) = \frac{C_3L_1L_3R_1R_3g_ms^3 + L_1R_1R_3g_ms}{2C_1C_3C_4L_1L_3R_1R_3s^5 + R_1 + s^4\left(C_1C_3L_1L_3R_1 + 2C_3C_4L_1L_3R_1R_3g_m + 2C_3C_4L_1L_3R_3\right) + s^3\left(C_1C_3L_1R_1R_3 + 2C_3C_4L_1R_1R_3 + 2C_3C_4L_1R_3\right) + s^2\left(C_1L_1R_1 + C_3L_1R_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3g_m + 2C_4L_1R_3\right) + s^2\left(C_1L_1R_1 + C_3L_1R_1R_3g_m + C_3L_1R_3 + 2C_4L_1R_3g_m + 2C_4L_1R_3\right) + s^2\left(C_1L_1R_1 + C_3L_1R_3g_m + C_3L_1R_3g_m + 2C_4L_1R_3g_m + 2C_4L_1R_3g_m$

10.825 INVALID-ORDER-825
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \infty, \infty\right)$$

 $\frac{C_3L_1L_3R_1R_3R_4g_ms^{\sim} + L_1R_1R_3R_4g_ms}{2C_1C_3C_4L_1L_3R_1R_3R_4s^5 + 2R_1R_3 + R_1R_4 + s^4\left(2C_1C_3L_1L_3R_1R_3 + C_1C_3L_1L_3R_1R_3R_4 + 2C_3C_4L_1L_3R_3R_4 + 2C_3C_4L_1R_1R_3R_4 + 2C$

10.826 INVALID-ORDER-826
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

 $H(s) = \frac{C_3C_4L_1L_3R_1R_3R_4g_ms^2 + C_3L_1L_3R_1R_3g_ms^2}{R_1 + s^5\left(2C_1C_3C_4L_1L_3R_1R_3 + C_1C_3C_4L_1L_3R_1R_3 + C_1C_3L_4L_1R_1R_3 + C_1C_4L_1R_1R_3 + C_1C_4L_1R_1R_3 + C_3C_4L_1L_3R_1R_3g_m + C_3C_4L_1L_3R_1R_3 + C_3C_4L_1R_1R_3 + C_3C_4L_$

10.827 INVALID-ORDER-827 $Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_3C_4L_1L_3L_4R_1R_3g_ms^5 + L_1R_1R_3g_ms + s^3\left(C_3C_4L_1L_3L_4R_1s^6 + R_1 + s^5\left(2C_1C_3C_4L_1L_3R_1R_3 + C_1C_3C_4L_1L_3R_1R_3 + C_3C_4L_1L_3R_1 + s^4\left(C_1C_3L_1L_3R_1 + C_1C_4L_1L_4R_1 + 2C_3C_4L_1L_3R_3 + C_3C_4L_1L_4R_1R_3g_m + C_3C_4L_1L_4R_1 + s^4\left(C_1C_3L_1L_3R_1 + C_1C_4L_1L_4R_1 + 2C_3C_4L_1L_3R_3 + C_3C_4L_1L_4R_1 + s^4\left(C_1C_3L_1L_3R_1 + C_3C_4L_1L_3R_1 + C_3C_4L_1L_4R_1 + s^4\left(C_1C_3L_1L_3R_1 + C_3C_4L_1L_3R_1 + C_3C_4L_1L_4R_1 + s^4\left(C_1C_3L_1L_3R_1 + C_3C_4L_1L_3R_1 + C_3C_4L_1L_4R_1 + s^4\left(C_1C_3L_1L_3R_1 + C_3C_4L_1L_4R_1 + s^4\left(C_1C_3L_1L_3R_1 + C_3C_4L_1L_4R_1 + s^4\left(C_1C_3L_1L_4R_1 + s^4\left(C_1C_3L_1L_4$

10.828 INVALID-ORDER-828
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)$$

 $H(s) = \frac{C_3L_1L_3L_4R_1R_3g_ms^4 + L_1L_4R_1R_3g_ms^2}{2C_1C_3C_4L_1L_3L_4R_1R_3s^6 + 2R_1R_3 + s^5\left(C_1C_3L_1L_3L_4R_1 + 2C_3C_4L_1L_3L_4R_1\right) + s^4\left(2C_1C_3L_1L_3R_1R_3 + C_1C_3L_1L_4R_1R_3 + 2C_3C_4L_1L_4R_1R_3 + 2C_3C_4L_1L_3L_4R_1\right) + s^4\left(2C_1C_3L_1L_3L_4R_1R_3 + 2C_3C_4L_1L_4R_1R_3 + 2C_3C_4L_1L_4R_1R_3 + 2C_3C_4L_1L_3L_4R_1\right) + s^4\left(2C_1C_3L_1L_3L_4R_1R_3 + 2C_3C_4L_1L_4R_1R_3 + 2C_$

10.829 INVALID-ORDER-829
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)$$

 $\frac{1}{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}s^{6}+R_{1}+s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}+C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}+C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}$

10.830 INVALID-ORDER-830
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{L_4 R_4 s}{C_4 L_4 R_4 s^2 + L_4 s + R_4}, \infty, \infty\right)$$

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

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10.831 INVALID-ORDER-831 Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{C_4 L_4 R_4 s^2 + L_4 s + R_4}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
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 $H(s) = \frac{1}{2R_1R_3 + R_1R_4 + s^6 \left(2C_1C_3C_4L_1L_3L_4R_1R_3 + C_1C_3C_4L_1L_3L_4R_1R_4 + s^6 \left(2C_1C_3C_4L_1L_3L_4R_1R_3 + C_1C_3L_4L_3L_4R_1R_4 + s^6 \left(2C_1C_3C_4L_1L_3L_4R_1R_3 + C_1C_3L_4L_3L_4R_1R_4 + s^6 \left(2C_1C_3C_4L_1L_3L_4R_1R_3 + C_1C_3L_4L_4R_1R_3R_4 + C_1C_3L_4L_3L_4R_1R_3R_4 + C_1C_3L_4L_3L_4R_1R_3R_$

10.832 INVALID-ORDER-832
$$Z(s) = \left(\frac{L_1 R_1 s}{C_1 L_1 R_1 s^2 + L_1 s + R_1}, \infty, \frac{R_3 \left(C_3 L_3 s^2 + 1\right)}{C_3 L_3 s^2 + C_3 R_3 s + 1}, \frac{R_4 \left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 s^2 + C_4 R_4 s + 1}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_1R_3 + R_1R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3 + C_1C_3C_4L_1L_3L_4R_1R_4\right) + s^5\left(2C_1C_3C_4L_1L_3R_1R_3R_4 + C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_1R_4g_m + 2C_3C_4L_1L_3L_4R_3 + C_3C_4L_1L_3L_4R_4\right) + s^4\left(2C_1C_3L_1L_3R_1R_3 + C_1C_3L_1L_3R_1R_3R_4 + C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_1R_4g_m + 2C_3C_4L_1L_3L_4R_3 + C_3C_4L_1L_3L_4R_4\right) + s^4\left(2C_1C_3L_4L_3L_4R_1R_3 + C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_1R_4g_m + 2C_3C_4L_1L_3L_4R_3 + C_3C_4L_1L_3L_4R_4\right) + s^4\left(2C_1C_3L_4L_3L_4R_1R_3 + C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_1R_4g_m + 2C_3C_4L_1L_3L_4R_3 + C_3C_4L_1L_3L_4R_1R_3 + C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_3 + C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_1R_3g_m + C_3C_4L_1L_3L_4R_3g_m + C_3C_4L_3L_3L_4R_3g_m + C_3C_4L_3L_3L_4R_3g_m + C_3C_4L_3L_3L_3R_3g_m + C_3C_4L_3L_3L_3R_3g_m + C_3C_4L_3L_3L_3R_3g_m + C_3C_4L_3L_3R_3g_m + C_3C_4$

10.833 INVALID-ORDER-833
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{1}{C_4s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1R_1R_3g_ms^2 + L_1R_3g_ms + R_1R_3g_m}{R_1g_m + s^3\left(2C_1C_4L_1R_1R_3g_m + 2C_1C_4L_1R_3\right) + s^2\left(C_1L_1R_1g_m + C_1L_1 + 2C_4L_1R_3g_m\right) + s\left(2C_4R_1R_3g_m + 2C_4R_3 + L_1g_m\right) + 1}$$

10.834 INVALID-ORDER-834
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1R_1R_3R_4g_ms^2 + L_1R_3R_4g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_4L_1R_1R_3R_4g_m + 2C_1C_4L_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3g_m + C_1L_1R_1R_4g_m + 2C_4L_1R_3R_4g_m\right) + s\left(2C_4R_1R_3R_4g_m + 2C_4R_3R_4 + 2L_1R_3g_m + L_1R_4g_m\right)}$$

10.835 INVALID-ORDER-835
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1R_1R_3R_4g_ms^3 + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_4L_1R_3R_4g_m\right) + s\left(C_4R_1R_3R_4g_m + L_1R_3g_m\right)}{R_1g_m + s^3\left(2C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m + 2C_1C_4L_1R_3 + C_1C_4L_1R_4\right) + s^2\left(C_1L_1R_1g_m + C_1L_1 + 2C_4L_1R_3g_m + C_4L_1R_4g_m\right) + s\left(2C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_3 + C_4R_4 + L_1g_m\right) + 1}$$

10.836 INVALID-ORDER-836
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4R_1g_ms^4 + C_4L_1L_4R_3g_ms^3 + L_1R_3g_ms + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_4L_4R_1R_3g_m\right)}{R_1g_m + s^4\left(C_1C_4L_1L_4R_1g_m + C_1C_4L_1L_4\right) + s^3\left(2C_1C_4L_1R_1R_3g_m + 2C_1C_4L_1R_3 + C_4L_1L_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_1L_1 + 2C_4L_1R_3g_m + C_4L_4R_1g_m + C_4L_4\right) + s\left(2C_4R_1R_3g_m + 2C_4R_3 + L_1g_m\right) + 1}$$

10.837 INVALID-ORDER-837
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1L_4R_1R_3g_ms^3 + L_1L_4R_3g_ms^2 + L_4R_1R_3g_ms}{2R_1R_3g_m + 2R_3 + s^4\left(2C_1C_4L_1L_4R_1R_3g_m + 2C_1C_4L_1L_4R_3\right) + s^3\left(C_1L_1L_4R_1g_m + C_1L_1L_4 + 2C_4L_1L_4R_3g_m\right) + s^2\left(2C_1L_1R_1R_3g_m + 2C_4L_4R_1R_3g_m + 2C_4L_4R_3 + L_1L_4g_m\right) + s\left(2L_1R_3g_m + L_4R_1g_m + L_4R_3g_m\right) + s\left(2L_1R_3g_m + 2C_4L_4R_1R_3g_m + 2C_4L_4R_3 + L_4R_3g_m\right) + s\left(2L_1R_3g_m + 2C_4L_4R_3 + 2C_4L_4R_3 + L_4R_3g_m\right) + s\left(2L_1R_3g_m + 2C_4L_4R_3 + L_4R_3g_m\right) + s\left(2L_1R_3g_m + 2C_4L_4R_3 + 2C_4L_4R_3 + L_4R_$$

10.838 INVALID-ORDER-838
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_4L_1L_4R_1R_3g_ms^4 + R_1R_3g_m + s^3\left(C_1C_4L_1R_1R_3R_4g_m + C_4L_1L_4R_3g_m\right) + s^2\left(C_1L_1R_1R_3g_m + C_4L_4R_1R_3g_m\right) + s\left(C_4R_1R_3R_4g_m + L_1R_3g_m\right) + s\left(C_4R_1R_3R_$$

10.839 INVALID-ORDER-839
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)$$

$$H(s) = \frac{C_1L_1L_4R_1R_3R_4g_ms^3 + L_1L_4R_3R_4g_ms^2 + L_4R_1R_3R_4g_ms}{2R_1R_3R_4g_m + 2R_3R_4 + s^4\left(2C_1C_4L_1L_4R_1R_3R_4g_m + 2C_1L_1L_4R_1R_3g_m + C_1L_1L_4R_1R_4g_m + 2C_1L_1L_4R_3R_4g_m\right) + s^2\left(2C_1L_1R_1R_3R_4g_m + 2C_1L_1R_3R_4 + 2C_4L_4R_1R_3R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R$$

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10.840 INVALID-ORDER-840 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_3R_4g_m + s^3\left(C_1L_1L_4R_1R_3g_m + C_4L_1L_4R_3R_4g_m\right) + s^2\left(C_1L_1R_1R_3R_4g_m + L_1L_4R_3g_m + L_1L_4R_3g_m\right) + s\left(L_1R_3R_4g_m + L_4R_1R_3g_m + L_4R_1R_
10.841 INVALID-ORDER-841 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}s^{4} + C_{4}L_{1}L_{4}R_{3}R_{4}g_{m}s^{3} + L_{1}R_{3}R_{4}g_{m}s + R_{1}R_{3}R_{4}g_{m} + s^{2}\left(C_{1}L_{1}R_{1}R_{3}R_{4}g_{m} + C_{4}L_{4}R_{1}R_{3}R_{4}g_{m}\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_3R_4g_ms^4 + C_4L_1L_4R_3R_4g_ms^3 + L_1R_3R_4g_ms + R_1R_3R_4g_m + s^2\left(C_1L_1R_1R_3R_4g_m + C_4L_4R_1R_3R_4g_m\right)}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^4\left(2C_1C_4L_1L_4R_3g_m + C_1C_4L_1L_4R_3 + C_1C_4L_1L_4R_3 + C_1C_4L_1L_4R_3 + C_4L_1L_4R_3g_m + C_4L_4R_3g_m + C_4L
10.842 INVALID-ORDER-842 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                      H(s) = \frac{C_1L_1R_1R_4g_ms^2 + L_1R_4g_ms + R_1R_4g_m}{2R_1g_m + s^3\left(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4\right) + s^2\left(2C_1L_1R_1g_m + 2C_1L_1 + C_3L_1R_4g_m\right) + s\left(C_3R_1R_4g_m + C_3R_4 + 2L_1g_m\right) + 2C_3R_1R_4g_m + C_3R_4R_4g_m + C_3R_4R_4g_m + C_3R_4R_4g_m + C_3R_4R_4g_m\right) + c_3R_4R_4g_m + c_
10.843 INVALID-ORDER-843 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                        H(s) = \frac{C_1L_1R_1g_ms^2 + L_1g_ms + R_1g_m}{s^3\left(C_1C_3L_1R_1g_m + C_1C_3L_1 + 2C_1C_4L_1R_1g_m + 2C_1C_4L_1\right) + s^2\left(C_3L_1g_m + 2C_4L_1g_m\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4\right)}
10.844 INVALID-ORDER-844 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                             H(s) = \frac{C_1L_1R_1R_4g_ms^2 + L_1R_4g_ms + R_1R_4g_m}{2R_1g_m + s^3\left(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4 + 2C_1C_4L_1R_1R_4g_m + 2C_1L_1R_1g_m + 2C_1L_1 + C_3L_1R_4g_m + 2C_4L_1R_4g_m + s^2\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4 + 2L_1g_m\right) + s^2\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4 + 2L_1g_m\right) + s^2\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4 + 2L_1g_m\right) + s^2\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4 + 2L_1g_m\right) + s^2\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4 + 2L_1g_m\right) + s^2\left(C_3R_1R_4g_m + C_3R_4 + 2C_4R_4R_4g_m + 2C_4R_4R_4g_m\right) + s^2\left(C_3R_1R_4g_m + 2C_4R_4R_4g_m\right) + s^2\left(C_3R_1R_4g_m + 2C_4R_4R_4g_m\right) + s^2\left(C_3R_1R_4g_m + 2C_4R_4R_4g_m\right) + s^2\left(C_3R_1R_4g_m + 2C_4R_4R_4g_m\right) + s^2\left(C_3R_4R_4g_m + 2C_4R_4R_4g_m\right) + s^2\left(C_4R_4R_4g_m + 2C_4R_4R_4g_m\right) 
10.845 INVALID-ORDER-845 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                         H(s) = \frac{C_1C_4L_1R_1R_4g_ms^3 + R_1g_m + s^2\left(C_1L_1R_1g_m + C_4L_1R_4g_m\right) + s\left(C_4R_1R_4g_m + L_1g_m\right)}{s^4\left(C_1C_3C_4L_1R_1g_m + C_1C_3L_1R_1g_m + C_1C_3L_1 + 2C_1C_4L_1R_1g_m + 2C_1C_4L_1 + C_3C_4L_1R_4g_m\right) + s^2\left(C_3C_4R_1R_4g_m + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_1R_4g_m + C_3C_4R_4 + C_3L_1g_m + 2C_4L_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_4 + C_3L_1g_m + C_3C_4R_4 + C_3L_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_4 + C_3L_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_4 + C_3L_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_4 + C_3C_4
10.846 INVALID-ORDER-846 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                      H(s) = \frac{C_1C_4L_1L_4R_1g_ms^4 + C_4L_1L_4g_ms^3 + L_1g_ms + R_1g_m + s^2\left(C_1L_1R_1g_m + C_4L_4R_1g_m\right)}{C_3C_4L_1L_4g_ms^4 + s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3L_1L_4\right) + s^3\left(C_1C_3L_1R_1g_m + C_1C_4L_1R_1g_m + 2C_1C_4L_1 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_3L_1g_m + 2C_4L_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + 2C_4R_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_1g_m\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3C_4R_1g_m\right) + s\left(C_3R_1g_m + C_3R_1g_m\right) + s\left(C
10.847 INVALID-ORDER-847 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                             H(s) = \frac{C_1L_1L_4R_1g_ms^3 + L_1L_4g_ms^2 + L_4R_1g_ms}{2L_1g_ms + 2R_1g_m + s^4\left(C_1C_3L_1L_4R_1g_m + C_1C_3L_1L_4 + 2C_1C_4L_1L_4R_1g_m + 2C_1C_4L_1L_4\right) + s^3\left(C_3L_1L_4g_m + 2C_4L_1L_4g_m\right) + s^2\left(2C_1L_1R_1g_m + 2C_1L_1 + C_3L_4R_1g_m + C_3L_4 + 2C_4L_4R_1g_m + 2C_4L_4\right) + 2C_4L_4R_1g_m + c_4R_1g_m + c_4R_1g_
10.848 INVALID-ORDER-848 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, \frac{1}{C_3 s}, L_4 s + R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
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 $H(s) = \frac{C_1C_4L_1L_4R_1g_ms^4 + R_1g_m + s^3\left(C_1C_4L_1R_1R_4g_m + C_4L_1R_4g_m + C_4L_1R_4g_m + C_4L_4R_1g_m\right) + s\left(C_4R_1R_4g_m + L_1g_m\right)}{s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3C_4L_1R_4g_m + C_1C_3C_4L_1R_4g_m + C_1C_3L_1R_4g_m + C_1C_3L_1R_4g_m + C_3C_4L_1R_4g_m + C_3C_4L_1R_4$

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10.849 INVALID-ORDER-849 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
H(s) = \frac{C_1L_1L_4R_1R_4g_ms^3 + L_1L_4R_4g_ms^2 + L_4R_1R_4g_ms}{2R_1R_4g_m + 2R_4 + s^4\left(C_1C_3L_1L_4R_1g_m + C_1C_3L_1L_4R_4g_m + 2C_1L_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4
10.850 INVALID-ORDER-850 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_{1}C_{4}L_{1}L_{4}R_{1}R_{4}g_{m}s^{4} + R_{1}R_{4}g_{m} + s^{3}\left(C_{1}L_{1}L_{4}R_{1}g_{m} + C_{4}L_{1}L_{4}R_{4}g_{m}\right) + s^{2}\left(C_{1}L_{1}R_{1}R_{4}g_{m} + C_{4}L_{4}R_{1}R_{4}g_{m} + L_{1}L_{4}g_{m}\right) + s\left(L_{1}R_{4}g_{m} + L_{4}R_{1}g_{m}\right) + s\left(L_{1}R_{4}g_{m} + L_{4}R_{1}
                                   \frac{C_1C_4L_1L_4R_1R_4g_m + s^* \left(C_1L_1L_4R_1g_m + C_4L_1L_4R_4g_m\right) + s^* \left(C_1L_1R_1R_4g_m + C_4L_4R_1R_4g_m + L_1L_4g_m\right) + s \left(L_1R_4g_m + L_4R_1g_m + L_4R_1g_m\right)}{2R_1g_m + s^5 \left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3L_1L_4R_1g_m + C_1C_3L_1L_4R_1g_m + C_1C_4L_1L_4R_1g_m + C_1C_3L_1R_4R_4g_m\right) + s^3 \left(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4R_4g_m + C_3C_4L_4R_4g_m\right) + s^2 \left(C_1C_3L_1R_4R_4g_m + C_3C_4L_4R_4g_m + C_3C_4L_4R_4g_m\right) + s^2 \left(C_1C_3L_4R_4R_4g_m + C_3C_4L_4R_4g_m\right) + s^2 \left(C_1C_3L_4R_4g_m + C_3C_4L_4R_4g_m\right) + s^2 \left(C_1C_3L_4R_4g_m\right) + s^2 \left(C_1C_
10.851 INVALID-ORDER-851 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_{1}C_{4}L_{1}L_{4}R_{1}R_{4}g_{m}s^{4} + C_{4}L_{1}L_{4}R_{4}g_{m}s^{3} + L_{1}R_{4}g_{m}s + R_{1}R_{4}g_{m} + s^{2}\left(C_{1}L_{1}R_{1}R_{4}g_{m} + C_{4}L_{4}R_{1}R_{4}g_{m}\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_4g_ms^3 + C_4L_1L_4R_4g_ms^3 + L_1R_4g_ms + R_1R_4g_m + S^2(C_1L_1R_1R_4g_m + C_4L_4R_1R_4g_m)}{2R_1g_m + s^5(C_1C_3C_4L_1L_4R_1g_m + C_1C_3L_1L_4R_4g_m) + s^3(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4 + 2C_1C_4L_1R_4 + C_3C_4L_4R_4g_m) + s^3(C_1C_3L_1R_1R_4g_m + C_1C_3L_4R_4g_m) + s^3(C_1C_3L_4R_4g_m) + s^3(C_1C_3L_4R_4g_
10.852 INVALID-ORDER-852 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, \frac{R_3}{C_3 R_3 s + 1}, R_4, \infty, \infty\right)
                                                                                            H(s) = \frac{C_1L_1R_3R_4g_ms^2 + L_1R_3R_4g_ms + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(C_1C_3L_1R_1R_3R_4g_m + C_1C_3L_1R_3R_4\right) + s^2\left(2C_1L_1R_1R_3g_m + C_1L_1R_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_4 + C_3L_1R_3R_4g_m\right) + s\left(C_3R_1R_3R_4g_m + C_3R_3R_4 + 2L_1R_3g_m + L_1R_4g_m\right)}
10.853 INVALID-ORDER-853 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                         H(s) = \frac{C_1L_1R_1R_3g_ms^2 + L_1R_3g_ms + R_1R_3g_m}{R_1g_m + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_3L_1R_3 + 2C_1C_4L_1R_1R_3g_m + 2C_1C_4L_1R_3\right) + s^2\left(C_1L_1R_1g_m + C_1L_1 + C_3L_1R_3g_m + 2C_4L_1R_3g_m + C_3R_3 + 2C_4R_1R_3g_m + 2C_4R_3 + L_1g_m\right) + 1}
10.854 INVALID-ORDER-854 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
                                   \frac{C_{1}L_{1}R_{1}R_{3}R_{4}g_{m}s^{2} + L_{1}R_{3}R_{4}g_{m}s + R_{1}R_{3}R_{4}g_{m}}{2R_{1}R_{3}g_{m} + R_{1}R_{4}g_{m} + 2R_{3} + R_{4} + s^{3}\left(C_{1}C_{3}L_{1}R_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}R_{3}R_{4}g_{m} + 2C_{1}C_{4}L_{1}R_{3}R_{4}g_{m} + 2C_{1}L_{1}R_{1}R_{3}g_{m} + C_{1}L_{1}R_{1}R_{3}g_{m} + C_{1}L_{1}R_{3}R_{4}g_{m} + 2C_{4}L_{1}R_{3}R_{4}g_{m} + 2C_{4}L_{1}R_{3}R_{4}g_{m
10.855 INVALID-ORDER-855 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_{1}C_{4}L_{1}R_{1}R_{3}R_{4}g_{m}s^{3} + R_{1}R_{3}g_{m} + s^{2}\left(C_{1}L_{1}R_{1}R_{3}g_{m} + C_{4}L_{1}R_{3}R_{4}g_{m}\right) + s\left(C_{4}R_{1}R_{3}R_{4}g_{m} + L_{1}R_{3}g_{m}\right)
H(s) = \frac{C_1C_4L_1R_1R_3R_4g_m + s^2 \left(C_1L_1R_1R_3g_m + C_4L_1R_3R_4g_m + L_1R_3g_m\right) + s\left(C_4R_1R_3R_4g_m + L_1R_3g_m\right)}{R_1g_m + s^4 \left(C_1C_3C_4L_1R_1R_3R_4g_m + C_1C_3L_1R_3R_4\right) + s^3 \left(C_1C_3L_1R_1R_3g_m + C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m + 2C_1C_4L_1R_4 + C_3C_4L_1R_3R_4g_m\right) + s^2 \left(C_1L_1R_1g_m + C_1L_1 + C_3C_4R_1R_3R_4g_m + C_3C_4R_3R_4 + C_3C_4R_3R_4g_m\right)}
10.856 INVALID-ORDER-856 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
10.857 INVALID-ORDER-857 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_1L_1L_4R_1R_3g_ms^3 + L_1L_4R_3g_ms^2 + L_4R_1R_3g_ms
H(s) = \frac{C_1L_1L_4R_1R_3g_ms^3 + L_1L_4R_3g_ms^3 + L_1L_4R_3g_ms
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10.858 INVALID-ORDER-858 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_4L_1L_4R_1R_3q_ms^4 + R_1R_3q_m + s^3(C_1C_4L_1R_1R_3R_4q_m + C_4L_1L_4R_3q_m)
H(s) = \frac{C_1C_4L_1L_4R_1R_3g_ms^2 + R_1R_3g_m + s^3\left(C_1C_4L_1R_1R_3R_4g_m + C_4L_1L_4R_3g_m\right)}{R_1g_m + s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_4L_1R_4R_3g_m + C_4L_4R_4g_m + C_4L_4R_4g_m\right) + s^3\left(C_1C_3L_4R_1R_3g_m + C_4L_4R_4R_3g_m + C_4L_4R_4g_m + C_4L_4R_4g_m + C_4L_4R_4g_m\right) + s^3\left(C_4C_4L_4R_4R_3g_m + C_4C_4L_4R_4R_3g_m + C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m\right) + s^3\left(C_4C_4L_4R_4R_4g_m + C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m\right) + s^3\left(C_4C_4L_4R_4R_4g_m + C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m\right) + s^3\left(C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m\right) + s^3\left(C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m\right) + s^3\left(C_4C_4L_4R_4g_m + C_4C_4L_4R_4g_m\right) + s^3\left(C_4C_4L_4R_4g
10.859 INVALID-ORDER-859 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_1L_1L_4R_1R_3R_4g_ms^3 + L_1L_4R_3R_4g_ms^2 + L_4R_1R_3R_4g_ms
                                               \frac{C_1L_1L_4R_1R_3R_4g_ms^\circ + L_1L_4R_3R_4g_ms^\circ + L_4R_1R_3R_4g_ms^\circ}{2R_1R_3R_4g_m + 2R_3R_4 + s^4\left(C_1C_3L_1L_4R_1R_3R_4g_m + C_1C_4L_1L_4R_3R_4g_m + 2C_1L_4L_4R_3R_4g_m + 2C_4L_1L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_3R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4R_4g_m + 2C_4L_4R_4g_m + 2C_4
10.860 INVALID-ORDER-860 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_1C_4L_1L_4R_1R_3R_4g_ms^4 + 1
H(s) = \frac{C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_3g
10.861 INVALID-ORDER-861 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3}{C_3R_3s + 1}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_4L_1L_4R_1R_3R_4g_ms^4
H(s) = \frac{-c_1 + c_2 + c_3 + c_4 + c_3 + c_4 + c_3 + c_4 + c_3 + c_4 + c_4 + c_3 + c_4 + 
10.862 INVALID-ORDER-862 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, R_4, \infty, \infty\right)
                                                                                                                                                H(s) = \frac{C_1C_3L_1R_1R_3R_4g_ms^3 + R_1R_4g_m + s^2\left(C_1L_1R_1R_4g_m + C_3L_1R_3R_4g_m\right) + s\left(C_3R_1R_3R_4g_m + L_1R_4g_m\right)}{2R_1g_m + s^3\left(2C_1C_3L_1R_1R_3g_m + C_1C_3L_1R_4g_m + 2C_1C_3L_1R_3 + C_1C_3L_1R_4g_m + 2C_1L_1 + 2C_3L_1R_3g_m + C_3L_1R_4g_m\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4 + 2L_1g_m\right) + 2C_3R_3R_4g_m + C_3R_4g_m + C_
10.863 INVALID-ORDER-863 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                H(s) = \frac{C_1C_3L_1R_1R_3g_ms^3 + R_1g_m + s^2\left(C_1L_1R_1g_m + C_3L_1R_3g_m\right) + s\left(C_3R_1R_3g_m + L_1g_m\right)}{s^4\left(2C_1C_3C_4L_1R_1g_m + 2C_1C_3L_4L_1R_3g_m + C_1C_3L_1 + 2C_1C_4L_1R_1g_m + 2C_1C_4L_1 + 2C_3C_4L_1R_3g_m\right) + s^2\left(2C_3C_4R_1R_3g_m + 2C_3C_4R_3 + C_3L_1g_m + 2C_4L_1g_m\right) + s\left(C_3R_1g_m + C_3L_1R_3g_m + 2C_4L_1g_m\right) + s\left(C_3R_1R_3g_m + 2C_4R_1g_m\right) + s\left(C_3R_1R_1g_m + 2C_4R_1g_m\right) + s\left(C_3R_1R_1g_m + 2C_4R_1g_m\right) 
10.864 INVALID-ORDER-864 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_{1}C_{3}L_{1}R_{1}R_{3}R_{4}g_{m}s^{3} + R_{1}R_{4}g_{m} + s^{2}\left(C_{1}L_{1}R_{1}R_{4}g_{m} + C_{3}L_{1}R_{3}R_{4}g_{m}\right) + s\left(C_{3}R_{1}R_{3}R_{4}g_{m} + L_{1}R_{4}g_{m}\right)
                                             \frac{C_{1}C_{3}L_{1}R_{1}R_{3}R_{4}g_{m}+S_{1}C_{1}L_{1}R_{1}R_{4}g_{m}+S_{2}C_{1}L_{1}R_{1}R_{4}g_{m}+S_{3}L_{1}R_{3}R_{4}g_{m}+S_{1}R_{4}g_{m}+S_{1}R_{4}g_{m}+S_{2}C_{1}L_{1}R_{1}R_{2}g_{m}+S_{2}C_{1}L_{1}R_{1}R_{3}R_{4}g_{m}+S_{3}C_{4}L_{1}R_{3}R_{4}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{4}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{4}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{1}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{1}R_{2}g_{m}+S_{4}C_{4}L_{1}R_{
10.865 INVALID-ORDER-865 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
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 $H(s) = \frac{C_1C_3C_4L_1R_1R_3R_4g_ms^4 + R_1g_m + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m + C_3C_4L_1R_3R_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_3C_4R_1R_3g_m + C_4L_1R_4g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m + L_1g_m\right)}{s^4\left(2C_1C_3C_4L_1R_1R_3g_m + C_1C_3C_4L_1R_1R_4g_m + 2C_1C_4L_1R_1g_m + C_1C_4L_1R_1g_m + 2C_1C_4L_1R_4g_m\right) + s^2\left(2C_3C_4R_1R_3g_m + C_4L_1R_4g_m\right) + s^2\left(2C_3C_4R_1R_3g_m + C_4L_1R_4g_m\right) + s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m + 2C_3C_4R_3R_4g_m\right) + s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R_1R_4g_m\right) + s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R_1R_3g_m\right) + s^2\left(2C_3C_4R_1R_3g_m + C_3C_4R$

 $H(s) = \frac{C_1C_3C_4L_1L_4R_1R_3g_ms^5 + R_1g_m + s^4\left(C_1C_4L_1L_4R_1g_m + C_3C_4L_1L_4R_3g_m\right) + s^3\left(C_1C_3L_1R_1R_3g_m + C_4L_4R_1g_m\right) + s^2\left(C_1L_1R_1g_m + C_3L_1R_3g_m + C_4L_4R_1g_m\right) + s\left(C_3R_1R_3g_m + L_1g_m\right)}{s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3C_4L_1R_1R_3g_m + 2C_1C_3C_4L_1R_1g_m + C_1C_3L_1R_1g_m + C_1C_4L_1R_1g_m + C_3C_4L_1R_1g_m + C_3$

10.866 INVALID-ORDER-866 $Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

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10.867 INVALID-ORDER-867 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, R_3 + \frac{1}{C_3 s}, \frac{L_4 s}{C_4 L_4 s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_1C_3L_1L_4R_1R_3g_ms^4 + L_4R_1g_ms + s^3\left(C_1L_1L_4R_1g_m + C_3L_1L_4R_3g_m\right) + s^2\left(C_3L_4R_1R_3g_m + L_1L_4g_m\right)
H(s) = \frac{C_1C_3L_1L_4R_1R_3g_ms^2 + L_4R_1g_ms + s^2\left(C_1L_1L_4R_1g_m + C_3L_1L_4R_3g_m\right) + s^2\left(C_3L_4R_1R_3g_m + L_1L_4g_m\right)}{2R_1g_m + s^5\left(2C_1C_3C_4L_1L_4R_1g_m + 2C_1C_4L_1L_4R_1g_m + 2C_1C_4L_1L_4R_3g_m\right) + s^3\left(2C_1C_3L_1R_1R_3g_m + 2C_1C_3L_4R_1R_3g_m + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_3C_4L_4R_1R_3g_m + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_3C_4L_4R_1R_3g_m + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_3C_4L_4R_1R_3g_m + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_3C_4L_4R_1R_3g_m + 2C_3C_4L_4R_3g_m\right) + s^2\left(2C_3C_4L_4R_3g_m\right) + s^2\left(2C_
10.868 INVALID-ORDER-868 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                       \frac{C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}s^{5}+R_{1}g_{m}+s^{4}\left(C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}\right)+s^{3}\left(C_{1}C_{3}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}R_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}R_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}L_{4}g_{m}\right)+s^{2}\left(C_{1}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}L_{4}g_{m}\right)+s^{2}\left(C_{1}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{3}g_{m}+C_{4}L_{1}R_{4}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{m}+C_{5}C_{4}L_{1}R_{2}g_{
10.869 INVALID-ORDER-869 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_1C_3L_1L_4R_1R_3R_4
10.870 INVALID-ORDER-870 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_4R_1R_3R_4g_ms^5 + R_1R_4g_m + s^4\left(C_1C_3L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_4g_m + C_3C_4L_1L_4R_3R_4g_m\right) + s^3\left(C_1C_3L_1R_1R_3R_4g_m + C_1L_1L_4R_1g_m + C_1L_4R_1g_m + C_1L
10.871 INVALID-ORDER-871 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_1C_3C_4L_1L_4R_1R_3R_4g_ms^5 + R_1R_4g_m + s^4(C_1C_4)
                                       \frac{2R_{1}g_{m}+s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{1}C
10.872 INVALID-ORDER-872 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, R_4, \infty, \infty\right)
                                                                                                                  H(s) = \frac{C_1C_3L_1L_3R_1R_4g_ms^4 + C_3L_1L_3R_4g_ms^3 + L_1R_4g_ms + R_1R_4g_m + s^2\left(C_1L_1R_1R_4g_m + C_3L_3R_1R_4g_m\right)}{2R_1g_m + s^4\left(2C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1L_3\right) + s^3\left(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4g_m\right) + s^2\left(2C_1L_1R_1g_m + 2C_1L_1 + C_3L_1R_4g_m + 2C_3L_3\right) + s\left(C_3R_1R_4g_m + C_3R_4 + 2L_1g_m\right) + s^2\left(C_3R_1R_4g_m + C_3R_4g_m\right) + s^2\left(C_3R_1R_4g_m\right) + s^2\left(C_3
10.873 INVALID-ORDER-873 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, L_3 s + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \infty, \infty\right)
                                                                              H(s) = \frac{C_1C_3L_1L_3R_1g_ms^4 + C_3L_1L_3g_ms^3 + L_1g_ms + R_1g_m + s^2\left(C_1L_1R_1g_m + C_3L_3R_1g_m\right)}{2C_3C_4L_1L_3g_ms^4 + s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_3C_4L_1L_3\right) + s^3\left(C_1C_3L_1R_1g_m + C_1C_3L_1 + 2C_1C_4L_1R_1g_m + 2C_1C_4L_1 + 2C_3C_4L_3R_1g_m + 2C_4L_1g_m\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4R_1g_m + 2C_4R_1g_m\right)}
10.874 INVALID-ORDER-874 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_{1}C_{3}L_{1}L_{3}R_{1}R_{4}g_{m}s^{4} + C_{3}L_{1}L_{3}R_{4}g_{m}s^{3} + L_{1}R_{4}g_{m}s + R_{1}R_{4}g_{m} + s^{2}\left(C_{1}L_{1}R_{1}R_{4}g_{m} + C_{3}L_{3}R_{1}R_{4}g_{m}\right)
                                      \frac{C_{1}C_{3}L_{1}L_{3}\kappa_{1}\kappa_{4}g_{m}s^{\circ}+C_{3}L_{1}L_{3}\kappa_{4}g_{m}s^{\circ}+L_{1}\kappa_{4}g_{m}s+\kappa_{1}\kappa_{4}g_{m}s+\kappa_{1}\kappa_{4}g_{m}+s^{\circ}\left(C_{1}L_{1}\kappa_{1}\kappa_{4}g_{m}+C_{1}L_{3}\kappa_{1}\kappa_{4}g_{m}\right)}{2R_{1}g_{m}+s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}g_{m}+2C_{1}C_{3}L_{1}L_{3}R_{2}g_{m}+2C_{1}C_{3}L_{1}L_{3}R_{2}g_{m}+s^{3}\left(C_{1}C_{3}L_{1}R_{4}g_{m}+2C_{1}C_{4}L_{1}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}+2C_{3}L_{4}L_{3}R_{4}g_{m}+s^{2}\left(2C_{1}L_{1}R_{1}g_{m}+2C_{1}C_{3}L_{1}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+s^{2}\left(2C_{1}L_{1}R_{1}g_{m}+2C_{1}C_{3}L_{1}L_{3}R_{4}g_{m}+2C_{1}C_{3}L_{1}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R_{4}g_{m}+2C_{3}C_{4}L_{3}R
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 $H(s) = \frac{C_1C_3C_4L_1L_3R_1R_4g_ms^5 + R_1g_m + s^4\left(C_1C_3L_1L_3R_1g_m + C_3C_4L_1R_1R_4g_m + C_3C_4L_1R_1R_4g_m + C_3L_1L_3g_m\right) + s^2\left(C_1L_1R_1g_m + C_3L_3R_1g_m + C_4L_1R_4g_m\right) + s\left(C_4R_1R_4g_m + L_1g_m\right)}{s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_4L_1R_1g_m + C_1C_3L_1L_3R_1g_m + C_1C_3L_1R_1g_m + C_1C_3L_1R_1g_m$

10.875 INVALID-ORDER-875 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$

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10.876 INVALID-ORDER-876 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_ms^6 + C_3C_4L_1L_3L_4g_ms^5 + L_1g_ms + R_1g_m + s^4\left(C_1C_3L_1L_3R_1g_m + C_1C_4L_1L_4R_1g_m + C_3C_4L_3L_4R_1g_m\right) + s^3\left(C_3L_1L_3g_m + C_4L_1L_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_3C_4L_1L_3R_1g_m + C_1C_3C_4L_1L_4R_1g_m + C_3C_4L_1L_4R_1g_m + C_3C_4L_1R_1g_m + C_3C_4L_1R_1
10.877 INVALID-ORDER-877 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m}s^{5} + C_{3}L_{1}L_{3}L_{4}g_{m}s^{4} + L_{1}L_{4}g_{m}s^{2} + L_{4}R_{1}g_{m}s + s^{3}\left(C_{1}L_{1}L_{4}R_{1}g_{m} + C_{3}L_{3}L_{4}R_{1}g_{m}\right)
                                          \frac{C_1C_3L_1L_3L_4R_1g_ms + C_3L_1L_3L_4g_ms + L_4L_1g_ms + S_4L_1g_ms + L_4L_1g_ms + S_4L_1g_ms + S_4L_1g_m
10.878 INVALID-ORDER-878 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_ms^6 + R_1g_m + s^5\left(C_1C_3C_4L_1L_3R_1g_m + C_3C_4L_1L_3R_1g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1L_3R_4g_m + C_3C_4L_1R_1R_4g_m + C_3C_4L_1R_4g_m + C_
10.879 INVALID-ORDER-879 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1L_3L_4R_1R_4}{2R_1R_4g_m + 2R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3C_4L_1L_3L_4R_4g_m + 2C_1C_3L_1L_3R_4R_4g_m + 2C_1C_3L_1L_3R_4R_4g_m + 2C_1C_3L_1L_3R_4R_4g_m + 2C_1C_3L_1L_3R_4R_4g_m + 2C_1C_3L_1L_3R_4R_4g_m + 2C_1C_3L_1L_4R_4g_m + 2C_1C_3L_1L_4R_4g_m + 2C_1C_3L_1L_4R_4g_m + 2C_1C_3L_1L_4R_4g_m + 2C_1C_3L_1L_4R_4g_m + 2C_1C_3L_1L_4R_4g_m + 2C_1C_3L_4R_4g_m +
10.880 INVALID-ORDER-880 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_m + s^5 \left(C_1C_3L_1L_3L_4R_1g_m + C_3C_4L_1L_3L_4R_1g_m + C_1C_4L_1L_4R_1g_m + C
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$$H(s) = \frac{1}{2R_1g_m + s^6 \left(2C_1C_3C_4L_1L_3L_4R_1g_m + 2C_1C_3C_4L_1L_3L_4\right) + s^5 \left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3C_4L_1L_4R_1g_m + C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1L_4R_1g_m + C_1C_3L_1L_4R_1g_m + 2C_1C_4L_1L_4R_1g_m + 2C_1C_4L_1L_4R_1g_m$$

10.881 INVALID-ORDER-881
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + \frac{1}{C_3s}, \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)$$

 $C_1C_3C_4L_1L_3L_4R_1R_4g_ms^6 + C_3C_4L_1L_3L_4R_4g_m$

10.882 INVALID-ORDER-882
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, R_4, \infty, \infty\right)$$

 $H(s) = \frac{C_1L_1L_3R_1R_4g_ms^3 + L_1L_3R_4g_ms^2 + L_3R_1R_4g_ms}{R_1R_4g_m + R_4 + s^4\left(C_1C_3L_1L_3R_1R_4g_m + C_1C_3L_1L_3R_4\right) + s^3\left(2C_1L_1L_3R_1g_m + 2C_1L_1L_3 + C_3L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_1R_4g_m + C_1L_1R_4 + C_3L_3R_1R_4g_m + C_3L_3R_4g_m\right) + s\left(L_1R_4g_m + 2L_3R_1g_m + 2L_3R_4g_m\right) + s\left(L_1R_4g_m + 2L_3R_4g_m\right) + s$

10.883 INVALID-ORDER-883
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{1}{C_4s}, \infty, \infty\right)$$

 $H(s) = \frac{C_1L_1L_3R_1g_ms^3 + L_1L_3g_ms^2 + L_3R_1g_ms}{L_1g_ms + R_1g_m + s^4\left(C_1C_3L_1L_3R_1g_m + C_1C_3L_1L_3 + 2C_1C_4L_1L_3R_1g_m + 2C_1C_4L_1L_3\right) + s^3\left(C_3L_1L_3g_m + 2C_4L_1L_3g_m\right) + s^2\left(C_1L_1R_1g_m + C_1L_1 + C_3L_3R_1g_m + C_3L_3 + 2C_4L_3R_1g_m + 2C_4L_3\right) + 1s^2\left(C_3L_1L_3R_1g_m + C_3L_3R_1g_m + C_3L_3R_1g_m + C_3L_3R_1g_m + C_3L_3R_1g_m\right) + s^2\left(C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m\right) + s^2\left(C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m\right) + s^2\left(C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m + C_3L_3R_3g_m\right) + s^2\left(C_3L_3R_3g_m + C_3L_3R_3g_m\right) + s^2\left(C_3L_3R_3g_m\right) + s^2\left(C_3L$

10.884 INVALID-ORDER-884
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)$$

 $H(s) = \frac{C_1L_1L_3R_1R_4g_ms^3 + L_1L_3R_4g_ms^2 + L_3R_1R_4g_ms}{R_1R_4g_m + R_4 + s^4\left(C_1C_3L_1L_3R_1R_4g_m + C_1C_3L_1L_3R_4 + 2C_1C_4L_1L_3R_4g_m + 2C_1L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_1L_3R_4g_m + 2C_4L_3R_4g_m + 2C_4L_3$

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10.885 INVALID-ORDER-885 Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, \frac{L_3 s}{C_3 L_3 s^2 + 1}, R_4 + \frac{1}{C_4 s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_1C_4L_1L_3R_1R_4g_ms^4 + L_3R_1g_ms + s^3(C_1L_1L_3R_1g_m + C_4L_1L_3R_4g_m) + s^2(C_4L_3R_1R_4g_m + L_1L_3g_m)
H(s) = \frac{C_1C_4L_1L_3R_1R_4g_ms + s^*(C_1L_1L_3R_1g_m + C_4L_1L_3R_4g_m) + s^*(C_4L_3R_4g_m) + s^*(C_4L_3R_4g_m + L_1L_3g_m)}{R_1g_m + s^5(C_1C_3C_4L_1L_3R_4g_m + C_1C_4L_1L_3R_4g_m + C_1C_4L_1L_3R_4g_m) + s^3(C_1C_4L_1R_4g_m + C_3C_4L_3R_4g_m + C_3C_4L_3R_4g_m) + s^2(C_4L_3R_4g_m + C_3C_4L_3R_4
10.886 INVALID-ORDER-886 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{5} + C_{4}L_{1}L_{3}L_{4}g_{m}s^{4} + L_{1}L_{3}g_{m}s^{2} + L_{3}R_{1}g_{m}s + s^{3}\left(C_{1}L_{1}L_{3}R_{1}g_{m} + C_{4}L_{3}L_{4}R_{1}g_{m}\right)
                                        \frac{C_{1}C_{4}L_{1}L_{3}L_{4}K_{1}g_{m}s^{\circ} + C_{4}L_{1}L_{3}L_{4}g_{m}s^{\circ} + L_{1}L_{3}g_{m}s^{\circ} + L_{1}L_{3}g_{m}s^{\circ} + L_{3}K_{1}g_{m}s + s^{\circ}\left(C_{1}L_{1}L_{3}K_{1}g_{m} + C_{4}L_{3}L_{4}K_{1}g_{m}\right)}{C_{3}C_{4}L_{1}L_{3}L_{4}g_{m}s^{5} + L_{1}g_{m}s + K_{1}g_{m} + s^{6}\left(C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m} + C_{1}C_{3}L_{1}L_{3}R_{1}g_{m} + C_{1}C_{4}L_{1}L_{3}R_{1}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{1}g_{m} + C_{1}C
10.887 INVALID-ORDER-887 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1L_1L_3L_4R_1g_ms^3 + L_1L_3L_4g_ms^2 + L_3L_4R_1g_ms
H(s) = \frac{C_1L_1L_3L_4R_1g_ms^3 + L_1L_3L_4g_ms^2 + L_3L_4R_1g_ms}{2L_3R_1g_m + 2L_3 + L_4R_1g_m + L_4 + s^4\left(C_1C_3L_1L_3L_4R_1g_m + C_1C_4L_1L_3L_4R_1g_m + 2C_4L_1L_3L_4g_m\right) + s^2\left(2C_1L_1L_3R_1g_m + 2C_4L_1L_3L_4R_1g_m + C_4L_1L_4R_1g_m + C_4L_4R_1g_m + C_4L_4R_1g_m + C_4L_4R_4g_m\right) + s^2\left(2C_1L_4L_3R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m\right) + s^2\left(2C_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L_4R_4g_m\right) + s^2\left(2C_4L_4R_4g_m + 2C_4L_4R_4g_m + 2C_4L
10.888 INVALID-ORDER-888 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_4L_1L_3L_4R_1g_ms^5 + L_3R_1g_ms + s^4(C_1C_4L_1L_3R_1R_4g_m + C_4L_1L_3L_4g_m)
H(s) = \frac{C_1C_4L_1L_3L_4R_1g_ms + L_3R_1g_ms + s + C_1C_4L_1L_3R_1R_4g_m + C_4L_1L_3R_1R_4g_m + C_4L_1L_3R_1g_ms + s + C_1C_4L_1L_3R_1g_ms + s + C_1C_4L_1L_3R_1g_m + C_4L_1L_3R_1g_m + C_4L_1
10.889 INVALID-ORDER-889 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1L_1L_3L_4R_1R_4g_ms^3 + L_1L_3L_4R_4g_ms^2 + L_3L_4R_1R_4g_ms
H(s) = \frac{C_1 L_1 L_3 L_4 R_1 R_4 g_m s + L_1 L_3 L_4 R_4 R_4 g_m s + L_1 L_3 L_4 R_4 R_4 g_m s + L_2 L_3 L_4 R_4 R_4 g_m s + L_3 L_4 R_4 R_4 g_m s}{2 L_3 R_1 R_4 g_m + 2 L_3 R_4 + L_4 R_1 R_4 g_m + L_4 R_4 R_4 g_m + 2 L_4 L_4 L_4 L_4 R_4 g_m + 2 L_
10.890 INVALID-ORDER-890 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_1C_4L_1L_3L_4R_1R_4g_ms^5 + R_1
H(s) = \frac{C_1 C_4 L_1 L_3 L_4 R_1 R_4 g_m + C_1 C_3 C_4 L_1 L_3 L_4 R_1 R_4 g_m + C_1 C_3 C_4 L_1 L_3 L_4 R_1 g_m + C_1 C_3 L_1 L_3 L_4 R_1 g_m + C_1 C_3 L_1 L_3 L_4 R_1 g_m + C_1 C_3 L_1 L_3 L_4 R_1 g_m + C_1 C_4 L_1 L_4 R_1 g_m + C_1 C_4 L_4 L_4 R_4 g_m + C_1 C_4 L_4 R_4 g_m + C_1 C_4 L_4 L_4 R_4
10.891 INVALID-ORDER-891 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3s}{C_3L_3s^2 + 1}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)
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$$H(s) = \frac{C_1C_4L_1L_3L_4R_1R_4g_m s^5 + C_1C_3C_4L_1L_3L_4R_1R_4g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_4L_1L_3L_4R_1g_m + C_1C_4L_1L_3L_4R_1g_m + C_1C_4L_1L_3R_1R_4g_m + C_1C_4L_1R_4g_m + C_1C_4L_1L_3R_1R_4g_m + C_1C_4L_1R_4g_m + C_1C_4$$

10.892 INVALID-ORDER-892
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, R_4, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_3L_1L_3R_1R_4g_ms^4 + R_1R_4g_m + s^3\left(C_1C_3L_1R_1R_3R_4g_m + C_3L_1L_3R_4g_m\right) + s^2\left(C_1L_1R_1R_4g_m + C_3L_1R_3R_4g_m + C_3L_3R_1R_4g_m\right) + s\left(C_3R_1R_3R_4g_m + L_1R_4g_m\right)}{2R_1g_m + s^4\left(2C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1R_3\right) + s^3\left(2C_1C_3L_1R_1R_3g_m + C_1C_3L_1R_1R_4g_m + 2C_1L_1R_3g_m\right) + s^2\left(2C_1L_1R_1g_m + 2C_1L_1 + 2C_3L_1R_3g_m + C_3L_1R_4g_m\right) + s\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + C_3R_1R_4g_m\right) + s^2\left(2C_3R_1R_3g_m + C_3R_1R_4g_m + C_3R_1R_4g_m\right) + s^2\left(2C_3R_1R_3g_m + C_3R_1R_4g_m\right) + s^2\left($$

10.893 INVALID-ORDER-893
$$Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)$$

$$H(s) = \frac{C_1C_3L_1L_3R_1g_ms^4 + R_1g_m + s^3\left(C_1C_3L_1R_1g_m + C_3L_1L_3g_m\right) + s^2\left(C_1L_1R_1g_m + C_3L_1R_3g_m + C_3L_3R_1g_m\right) + s\left(C_3R_1R_3g_m + L_1g_m\right)}{s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_3C_4L_1R_3g_m + 2C_1C_3C_4L_1R_3g_m + 2C_1C_3C_4L_1R_3g_m + 2C_3C_4L_1R_3g_m +$$

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10.894 INVALID-ORDER-894 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
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 $C_1C_3L_1L_3R_1R_4q_ms^4 + R_1R_4q_m + s^3(C_1C_3L_1R_1R_3R_4q_m + s^3)$

 $\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{3} \frac{1}{1} \frac{1}$

10.895 INVALID-ORDER-895 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$

 $\frac{C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}g_{m}s^{5}+R_{1}g_{m}+s^{4}\left(C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{1}L_{3}R_{1}g_{m}+C_{3}C_{4}L_{1}R_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}R_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}R_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}R_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}R_{3}g_{m}+C_{3}C_{4}L_{1}R_{3}g_{m}+C_{3}C_{4}L_{1}R_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}R_{3$

10.896 INVALID-ORDER-896 $Z(s) = \left(\frac{C_1 L_1 R_1 s^2 + L_1 s + R_1}{C_1 L_1 s^2 + 1}, \infty, L_3 s + R_3 + \frac{1}{C_3 s}, L_4 s + \frac{1}{C_4 s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_ms^6 + R_1g_m + s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_3C_4L_1L_4R_1g_m + C_3C_4L_1R_1g_m + C_3C_$

10.897 INVALID-ORDER-897 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)$

 $C_1C_3L_1L_3L_4R_1g_ms^5 + L_4R_1g_ms + s^4(C_1C_3L_1L_4R_1R_3g_m)$

 $H(s) = \frac{10^{-3}L_1L_3L_4R_1g_m + 10^{-3}L_4R_1g_m + 10^{-3}L_4R_1g_$

10.898 INVALID-ORDER-898 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$

 $\frac{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{6}+R_{1}g_{m}+s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}g_{m}\right)+s^{4}\left(C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}g_{m}+C_{1}C_{3}L_{1}L_{3}R_{4}g_{m}+C_{3}C_{4}L_{1}L_{4}R_{3}g_{m}+C_{3}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{3}C_{4}L_{4}L_{4}R_{3}g_{m}+C_{3}C_{4}L_{4}L_{4}R_{3}g_$

10.899 INVALID-ORDER-899 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{1}{2R_{1}R_{4}g_{m} + 2R_{4} + s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{1}L_{3}R_{4}R_{4}g_{m} + 2C_{1}C_{3}L$

10.900 INVALID-ORDER-900 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)$

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

10.901 INVALID-ORDER-901 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)$

 $H(s) = \frac{1}{2R_{1}g_{m} + s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}\right) + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{1}L_{4}R_{4} + 2C_{3}C_{4}L_{1}L_{4}R_{4} + 2$

10.902 INVALID-ORDER-902 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, R_4, \infty, \infty\right)$

 $C_1L_1L_3R_1R_3R_4g_ms^3 + L_1L_3R_3R_4g_ms^2 + L_3R_1R_3R_4g_ms^2$

 $H(s) = \frac{C_1L_1L_3R_1R_3R_4g_ms^3 + L_1L_3R_3R_4g_ms^2 + L_3R_1R_3R_4g_ms}{R_1R_3R_4g_m + R_3R_4 + s^4\left(C_1C_3L_1L_3R_1R_3R_4g_m + C_1L_1L_3R_1R_3g_m + C_1L_1L_3R_4 + C_3L_1L_3R_3R_4g_m + s^2\left(C_1L_1R_1R_3R_4g_m + C_1L_1R_3R_4 + C_3L_3R_3R_4g_m + C_1L_1R_3R_4g_m + C_1L_1R_3R_4g_m$

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10.903 INVALID-ORDER-903 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1L_1L_3R_1R_3g_ms^3 + L_1L_3R_3g_ms^2 + L_3R_1R_3g_ms}{R_1R_3g_m + R_3 + s^4\left(C_1C_3L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_3\right) + s^3\left(C_1L_1L_3R_1g_m + C_1L_1L_3 + C_3L_1L_3R_3g_m + C_1L_1R_3 + C_3L_3R_3R_3 + C_3L_3R_3R_3R_3 + C_3L_3R_3R_3 + C_3L_3R_3 + C_3L_3R_3R_3 + C
10.904 INVALID-ORDER-904 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_1L_1L_3R_1R_3R_4g_ms^3 + L_1L_3R_3R_4g_ms^2 + L_3R_1R_3R_4g_ms
                                        \frac{C_{1}L_{1}L_{3}R_{1}R_{3}R_{4}g_{m}s^{3} + L_{1}L_{3}R_{3}R_{4}g_{m}s^{2} + L_{3}R_{1}R_{3}R_{4}g_{m}s}{R_{1}R_{3}R_{4}g_{m} + R_{3}R_{4} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}L_{3}R_{3}R_{4}g_{m} + C_{1}L_{1}L_{3}R_{3}R_{4}g_{m} +
10.905 INVALID-ORDER-905 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_3R_1R_3R_4g_ms^* + L_3R_1R_3}{R_1R_3g_m + R_3 + s^5\left(C_1C_3C_4L_1L_3R_1R_3R_4g_m + C_1C_3L_4L_3R_3R_4g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_3R_4g_m + S_3C_4L_4L_3R_3R_4g_m + S_3C_4L_4L_4R_3R_4g_m + S_3C_4L_4L_4R_4g_m + S_3C_4L_4R_4R_4g_m + S_3C_4R_4R_4g_m + S_3C_4R_4R_4g_m
10.906 INVALID-ORDER-906 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_3L_4R_1R_3g_ms^5 + C_4L_1}{R_1R_3g_m + R_3 + s^6\left(C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_4L_1L_3L_4R_3g_m\right) + s^4\left(C_1C_3L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_3 + C_1C_4L_1L_3R_
10.907 INVALID-ORDER-907 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
H(s) = \frac{C_1L_1L_3L_4R_1R_3g_ms^3 + L_1L_3L_4R_3g_ms^2 + L_3L_4R_1R_3g_ms}{2L_3R_1R_3g_m + 2L_3R_3 + L_4R_1R_3g_m + L_4R_3 + s^4\left(C_1C_3L_1L_3L_4R_1R_3g_m + C_1C_4L_1L_3L_4R_3g_m + 2C_1C_4L_1L_3L_4R_3g_m + C_1L_1L_3L_4R_3g_m + C_1L_3L_3L_4R_3g_m + C_1L_3L_3L_3L_3R_3g_m + C_1L_3L_3L_3R_3g_m + C_1L_3L_
10.908 INVALID-ORDER-908 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
10.909 INVALID-ORDER-909 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
                                        \frac{C_1R_2}{2L_3R_1R_3R_4g_m + 2L_3R_3R_4 + L_4R_1R_3R_4g_m + L_4R_3R_4 + s^4\left(C_1C_3L_1L_3L_4R_1R_3R_4g_m + C_1C_4L_1L_3L_4R_1R_3R_4g_m + 2C_1C_4L_1L_3L_4R_1R_3g_m + C_1L_1L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_4R_1R_3g_m + C_1L_3L_3L_3R_3g_m + C_1L_3L_3L_3R_3g_m + C_1L_3L_3L_3R_3g_m + C_1L_3L_3L_3R_3g_m + C_1L_3L_3L_3R_3g_m + C
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 $\overline{R_{1}R_{3}R_{4}g_{m}+R_{3}R_{4}+s^{6}\left(C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4}\right)+s^{5}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{3}L_{4}R_$

10.910 INVALID-ORDER-910 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)$

10.911 INVALID-ORDER-911 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2 + L_3s + R_3}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)$

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H(s) = \frac{C_1C_3L_1L_3R_1R_3R_4g_m + s^3\left(C_1L_1L_3R_1R_4g_m + C_3L_1L_3R_3R_4g_m + C_3L_1L_3R_3R_4g_m + C_3L_3R_1R_3R_4g_m + L_1L_3R_4g_m +
10.913 INVALID-ORDER-913 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_{1}C_{3}L_{1}L_{3}R_{1}R_{3}g_{m}s^{4} + R_{1}R_{3}g_{m} + s^{3}\left(C_{1}L_{1}L_{3}R_{1}g_{m} + C_{3}L_{1}L_{3}R_{3}g_{m}\right) + s^{2}\left(C_{1}L_{1}R_{1}R_{3}g_{m} + C_{3}L_{3}R_{1}R_{3}g_{m} + L_{1}L_{3}g_{m}\right) + s\left(L_{1}R_{3}g_{m} + L_{3}R_{1}g_{m}\right) + s\left(L_{1}R_{3}g_{m} + L_{3}R_{1}
                                              \frac{C_1C_3L_1L_3R_1R_3g_m + s^* (C_1L_1L_3R_1g_m + C_3L_1L_3R_3g_m) + s^* (C_1L_1R_1R_3g_m + C_3L_3R_1R_3g_m + L_1L_3g_m) + s (L_1R_3g_m + L_3R_1g_m +
10.914 INVALID-ORDER-914 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)
                                             \frac{C_1C_3L_1L_3R_1R_3}{2R_1R_3g_m+R_1R_4g_m+2R_3+R_4+s^5\left(2C_1C_3C_4L_1L_3R_1R_3R_4g_m+2C_1C_3L_1L_3R_1R_3g_m+C_1C_3L_1L_3R_1R_4g_m+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_1L_3R_4+2C_1C_4L_
10.915 INVALID-ORDER-915 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \frac{C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1}C_{4}L_{1}L_{3}R_{4}g_{m}+c_{1
10.916 INVALID-ORDER-916 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
                                             10.917 INVALID-ORDER-917 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                             \frac{2R_{1}R_{3}g_{m}+2R_{3}+s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}+2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{3}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}g_{m}+2C_{1}C_{4}L_{4}L_{4}R_{4}
10.918 INVALID-ORDER-918 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1R_3g_ms^6 + R_1R_3g_m + s^5\left(C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_4L_1L_3L_4R_1g_m + C_3C_4L_1L_3L_4R_3g_m\right) + s^4\left(C_1C_3L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_3C_4L_1L_3R_1R_3g_m + C_1C
10.919 INVALID-ORDER-919 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)
H(s) = \frac{1}{2R_1R_3R_4g_m + 2R_3R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3R_4g_m + 2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3L_1L_3L_4R_1R_4g_m + 2C_1C_3L_1L_3L_4R_1R_4g_m + 2C_1C_4L_1L_3L_4R_1R_4g_m + 2C_1C_4L_1L_3L_4R_1R_3g_m + 2C_1C_4L_1L_3L_4R_1R_3g_m + 2C_1C_4L_1L_3L_4R_1R_3g_m + 2C_1C
10.920 INVALID-ORDER-920 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_1C_3C_4L_1L_3L_4R_1R_3R_4g_ms^6 + R_1R_3R_4g_ms^6
H(s) = \frac{1}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3L_4L_3L_4R_1g_m + C_1C_3L_4L_3L_4R_1g_m + C_1C_4L_1L_3L_4R_1g_m + 2C_1C_4L_1L_3L_4R_1g_m + 2C_1C
10.921 INVALID-ORDER-921 Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, \frac{R_4(C_4L_4s^2 + 1)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)
                                             \overline{2R_{1}R_{3}q_{m}+R_{1}R_{4}q_{m}+2R_{3}+R_{4}+s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}q_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}q_{m}+2C_{1}C_{3}C_{4}L_
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10.912 INVALID-ORDER-912 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{C_3L_3R_3s^2 + L_3s + R_3}{C_3L_3s^2 + 1}, R_4, \infty, \infty\right)$

10.923 INVALID-ORDER-923 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3(C_3L_3s^2 + 1)}{C_3L_3s^2 + C_3R_3s + 1}, \frac{1}{C_4s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1L_3R_1R_3g_ms^4 + C_3L_1L_3R_3g_ms^3 + L_1R_3g_ms + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_3L_3R_1R_3g_m\right)}{R_1g_m + s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_4L_1R_3g_m + 2C_1C_4L_1R_3g_m + 2C_1C_4L_1R_3g_m + 2C_3C_4L_3R_3g_m\right) + s^3\left(C_1C_3L_1L_3R_3g_m + C_1C_3L_1L_3R_3g_m + 2C_1C_4L_1R_3g_m + 2C_3C_4L_3R_3g_m + 2C_3C_4L_3R_3g_m\right) + s^3\left(C_1C_3L_1L_3R_3g_m + C_1C_3L_1L_3R_3g_m + 2C_3C_4L_3R_3g_m + 2C_3C_4L_3R_3g_m + 2C_3C_4L_3R_3g_m + 2C_3C_4L_3R_3g_m + 2C_3C_4L_3R_3g_m\right)}$

10.924 INVALID-ORDER-924 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \frac{R_4}{C_4R_4s + 1}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1L_3R_1R_3R_4g_ms}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^5\left(2C_1C_3C_4L_1L_3R_1R_3R_4g_m + 2C_1C_3L_1L_3R_1R_3g_m + C_1C_3L_1L_3R_1R_4g_m + 2C_1C_3L_1L_3R_4g_m + 2C_1C_3L_1L_3R_$

10.925 INVALID-ORDER-925 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3(C_3L_3s^2 + 1)}{C_3L_3s^2 + C_3R_3s + 1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$

 $I(s) = \frac{C_1C_3C_4L_1L_3R_1R_3R_4g_ms^5 + R_1R_3g_m + s^4\left(C_1C_3L_1L_3R_1R_3R_4g_ms^5 + R_1R_3g_m + s^4\left(C_1C_3L_1L_3R_1R_3R_4g_m + s^4\left(C_1C_3L_4L_1R_3R_4g_m + C_1C_3L_4L_1R_3R_4g_m + C_1C_3L_4L_4R_4g_m + C_1C_3L_4L_4R_4g_m$

10.926 INVALID-ORDER-926 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1R_3g_ms^6 + C_3C_4L_1L_3L_4R_3g_ms^5 + L_1R_3g_ms^5 + L_1R_3g_ms^5 + L_1R_3g_ms^5 + L_1R_3g_ms^6 + C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3R_3g_ms^6 + C_3C_4L_1L_3R_3g_ms^5 + L_1R_3g_ms^6 + C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3R_3g_ms^6 + C_3C_4L_1L_3R_3g_ms^6 + C_3C_4L_3L_3R_3g_ms^6 + C_3C_4L_3L$

10.927 INVALID-ORDER-927 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3(C_3L_3s^2 + 1)}{C_3L_3s^2 + C_3R_3s + 1}, \frac{L_4s}{C_4L_4s^2 + 1}, \infty, \infty\right)$

 $(s) = \frac{C_1C_3L_1L_3L_4R_1R_3g_ms^3}{2R_1R_3g_m + 2R_3 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1g_m + 2C_1C_3C_4L_1L_3L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_1R_3g_m + 2C_1C_3L_1L_3R_3 + C_1C_3L_1L_4R_1R_3g_m + C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_1R_3g_m + 2C_1C_3L_1L_3R_3 + C_1C_3L_1L_4R_3g_m + C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_1R_3g_m + 2C_1C_3L_1L_4R_1R_3g_m + 2C_1C_4L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_1R_3g_m + 2C_1C_3L_1L_4R_1R_3g_m + 2C_1C_4L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_1R_3g_m + 2C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3R_3g_m + 2C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + 2C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + 2C_1C_3L_1L_4R_3g_m + 2C_1C_4L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + 2C_1C_3L_1L_4R_3g_m + 2C_1C_3L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + 2C_1C_3L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + 2C_1C_3L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + 2C_1C_3L_1L_4R_3g_m + s^4\left(2C_1C_3L_1L_3R_3g_m + s^4c_1C_3L_1L_3R_3g_m + s^4c_1C_3L_1L_3R_3g_m + s^4c_1C_3L_1L_3R_3g_m + s^4c_1C_3L_1L_3R_3g_m + s^4c_1C_3L_1L_3R_3g_m + s^4c_1C_3L_1L_3R_3g_m + s^4c_1C_3L_3L_3R_3g_m + s^4c_1C_3L_3L_3R_3g_m + s^4c_1C_3L_3L_3R_3g_m + s^4c_1C_3L_3L_3R_3g_m + s^4c_1C_3L_3L_3R_3g_m + s^4c_1C_$

10.928 INVALID-ORDER-928 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3(C_3L_3s^2 + 1)}{C_3L_3s^2 + C_3R_3s + 1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$

10.929 INVALID-ORDER-929 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \frac{L_4R_4s}{C_4L_4R_4s^2 + L_4s + R_4}, \infty, \infty\right)$

 $H(s) = \frac{1}{2R_1R_3R_4g_m + 2R_3R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3R_4g_m + 2C_1C_3C_4L_1L_3L_4R_3R_4\right) + s^5\left(2C_1C_3L_1L_3L_4R_1R_3g_m + C_1C_3L_1L_3L_4R_1R_4g_m + 2C_1C_3L_1L_3L_4R_4 + 2C_3C_4L_1L_3L_4R_3R_4g_m\right) + s^4\left(2C_1C_3L_1L_3R_4R_3R_4g_m + 2C_1C_3L_1L_3L_4R_1R_3g_m + C_1C_3L_1L_3L_4R_1R_4g_m + 2C_1C_3L_1L_3L_4R_4R_4 + 2C_3C_4L_1L_3L_4R_3R_4g_m\right) + s^4\left(2C_1C_3L_1L_3R_4R_3R_4g_m + 2C_1C_3L_1L_3L_4R_1R_3g_m + 2C_1C_3L_3L_3L_3R_3g_m + 2C_1C_3L_3L_3L_3R_3$

10.930 INVALID-ORDER-930 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \frac{C_4L_4R_4s^2 + L_4s + R_4}{C_4L_4s^2 + 1}, \infty, \infty\right)$

 $H(s) = \frac{1}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3C_4L_1L_3L_4R_3 + C_1C_3C_4L_1L_$

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H(s) = \frac{1}{2R_{1}R_{3}g_{m} + R_{1}R_{4}g_{m} + 2R_{3} + R_{4} + s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3} + C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}R_{4} + C_{1}C_{3}C_
10.932 INVALID-ORDER-932 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                   H(s) = \frac{C_1L_1R_1R_3g_ms^2 + R_1R_3g_m}{R_1g_m + s^3\left(2C_1C_4L_1R_1R_3g_m + 2C_1C_4L_1R_3\right) + s^2\left(2C_1C_4R_1R_3 + C_1L_1R_1g_m + C_1L_1\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}
10.933 INVALID-ORDER-933 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                       H(s) = \frac{C_1L_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(2C_1C_4L_1R_3R_4g_m + 2C_1C_4L_1R_3R_4\right) + s^2\left(2C_1C_4R_1R_3R_4 + 2C_1L_1R_1R_3g_m + C_1L_1R_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + 2C_4R_1R_3R_4g_m + 2C_4R_3R_4\right)}
10.934 INVALID-ORDER-934 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                            H(s) = \frac{C_1C_4L_1R_1R_3R_4g_ms^3 + C_1L_1R_1R_3g_ms^2 + C_4R_1R_3R_4g_ms + R_1R_3g_m}{R_1g_m + s^3\left(2C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m + 2C_1C_4L_1R_3 + C_1C_4L_1R_4\right) + s^2\left(2C_1C_4R_1R_3 + C_1C_4R_1R_4 + C_1L_1R_1g_m + C_1L_1\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_3 + C_4R_4\right) + 1}
10.935 INVALID-ORDER-935 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                     H(s) = \frac{C_1C_4L_1L_4R_1R_3g_ms^4 + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_4L_4R_1R_3g_m\right)}{R_1g_m + s^4\left(C_1C_4L_1L_4R_1g_m + C_1C_4L_1L_4\right) + s^3\left(2C_1C_4L_1R_1R_3g_m + 2C_1C_4L_1R_3 + C_1C_4L_4R_1\right) + s^2\left(2C_1C_4R_1R_3 + C_1L_1R_1g_m + C_1L_1 + C_4L_4R_1g_m + C_4L_4\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}
10.936 INVALID-ORDER-936 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                  H(s) = \frac{C_1L_1L_4R_1R_3g_ms^3 + L_4R_1R_3g_ms}{2R_1R_3g_m + 2R_3 + s^4\left(2C_1C_4L_1L_4R_1R_3g_m + 2C_1C_4L_1L_4R_3\right) + s^3\left(2C_1C_4L_4R_1R_3 + C_1L_1L_4R_1g_m + C_1L_1L_4\right) + s^2\left(2C_1L_1R_1R_3g_m + 2C_1L_4R_1 + 2C_4L_4R_1R_3g_m + 2C_4L_4R_3\right) + s\left(2C_1R_1R_3 + L_4R_1g_m + L_4\right)}
10.937 INVALID-ORDER-937 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_3g_ms^4 + C_1C_4L_1R_1R_3R_4g_ms^3 + C_4R_1R_3R_4g_ms + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_4L_4R_1R_3g_m\right)}{R_1g_m + s^4\left(C_1C_4L_1L_4R_1g_m + C_1C_4L_1R_4\right) + s^3\left(2C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_4 + C_1C_4L_1R_4 + C_1C_4L_1R_4 + C_1C_4R_1R_4 + C_1L_1R_1g_m + C_1L_1 + C_4L_4R_1g_m + C_4L_4\right) + s\left(C_1R_1 + 2C_4R_1R_3g_m + C_4R_1R_4g_m + 2C_4R_1R_4\right) + s\left(C_1R_1 + C_4R_1R_4 + C_4R_1R_4 + C_4R_1R_4 + C_4R_4R_4\right) + s\left(C_1R_1 + C_4R_1R_4 + C_4R_4R_4\right) + s\left(C_1R_1 + C_4R_4\right) + s\left(C_1R_1 + C_4R_4\right)
10.938 INVALID-ORDER-938 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                \frac{C_{1}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}s}{2R_{1}R_{3}R_{4}g_{m}+2R_{3}R_{4}+s^{4}\left(2C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}L_{4}R_{3}R_{4}\right)+s^{3}\left(2C_{1}C_{4}L_{4}L_{4}R_{3}R_{4}+2C_{1}L_{4}L_{4}R_{3}R_{4}+2C_{1}L_{4}L_{4}R_{3}R_{4}+2C_{1}L_{4}L_{4}R_{3}R_{4}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}L_{4}R_{3}R_{4}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}L_{4}R_{1}R
10.939 INVALID-ORDER-939 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_3g_ms^4 + C_1L_1L_4R_1R_3g_ms^3 + L_4R_1R_3g_ms + R_1R_3R_4g_m + s^2\left(C_1L_1R_1R_3R_4g_m + C_4L_4R_1R_3R_4g_m\right)}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^4\left(2C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_3 + C_1C_4L_4R_1R_3 + C_1C_4L_4R_1R_3
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10.931 INVALID-ORDER-931 $Z(s) = \left(\frac{C_1L_1R_1s^2 + L_1s + R_1}{C_1L_1s^2 + 1}, \infty, \frac{R_3\left(C_3L_3s^2 + 1\right)}{C_3L_3s^2 + C_3R_3s + 1}, \frac{R_4\left(C_4L_4s^2 + 1\right)}{C_4L_4s^2 + C_4R_4s + 1}, \infty, \infty\right)$

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10.940 INVALID-ORDER-940 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_3R_4g_ms^4 + R_1R_3R_4g_m + s^2\left(C_1L_1R_1R_3R_4g_m + C_4L_4R_1R_3R_4g_m + C_4L_4R_1R_3R_4g_m\right)}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^4\left(2C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1L_4R_1R_3g_m + C_1C_4L_1R_1R_3R_4g_m + C_1C_4L_1R_1R_3R_4g_m + C_1C_4L_1R_1R_3R_4g_m + C_1C_4L_1R_1R_3R_4g_m + C_1C_4L_1R_1R_3R_4g_m + C_1C_4L_1R_1R_3R_4g_m + C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_3g_m + C_1C_4L_1R_
10.941 INVALID-ORDER-941 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, R_4, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                     H(s) = \frac{C_1L_1R_1R_4g_ms^2 + R_1R_4g_m}{2R_1g_m + s^3\left(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4\right) + s^2\left(C_1C_3R_1R_4 + 2C_1L_1R_1g_m + 2C_1L_1\right) + s\left(2C_1R_1 + C_3R_1R_4g_m + C_3R_4\right) + 2C_1R_1R_4g_m + C_2R_4R_4g_m + C_3R_4R_4g_m + C_
10.942 INVALID-ORDER-942 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                     H(s) = \frac{C_1 L_1 R_1 g_m s^2 + R_1 g_m}{s^3 \left(C_1 C_3 L_1 R_1 g_m + C_1 C_3 L_1 + 2 C_1 C_4 L_1 R_1 g_m + 2 C_1 C_4 L_1\right) + s^2 \left(C_1 C_3 R_1 + 2 C_1 C_4 R_1\right) + s \left(C_3 R_1 g_m + C_3 + 2 C_4 R_1 g_m + 2 C_4\right)}
10.943 INVALID-ORDER-943 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                                                      H(s) = \frac{C_1L_1R_1R_4g_ms^2 + R_1R_4g_m}{2R_1g_m + s^3\left(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4 + 2C_1C_4L_1R_1R_4g_m + 2C_1C_4L_1R_4\right) + s^2\left(C_1C_3R_1R_4 + 2C_1C_4R_1R_4 + 2C_1L_1R_1g_m + 2C_1L_1\right) + s\left(2C_1R_1 + C_3R_1R_4g_m + C_3R_4 + 2C_4R_1R_4g_m + 2C_4R_4\right) + 2C_4R_4s^2 + 2C
10.944 INVALID-ORDER-944 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                           H(s) = \frac{C_1C_4L_1R_1R_4g_ms^3 + C_1L_1R_1g_ms^2 + C_4R_1R_4g_ms + R_1g_m}{s^4\left(C_1C_3C_4L_1R_1R_4g_m + C_1C_3C_4L_1R_4\right) + s^3\left(C_1C_3C_4R_1R_4 + C_1C_3L_1R_1g_m + C_1C_4L_1R_1g_m + 2C_1C_4L_1\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + C_3C_4R_1R_4g_m + C_3C_4R_4\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4R_4\right)}
10.945 INVALID-ORDER-945 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                       H(s) = \frac{C_1C_4L_1L_4R_1g_ms^4 + R_1g_m + s^2\left(C_1L_1R_1g_m + C_4L_4R_1g_m\right)}{C_1C_3C_4L_4R_1s^4 + s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3C_4L_1L_4\right) + s^3\left(C_1C_3L_1R_1g_m + C_1C_4L_1R_1g_m + 2C_1C_4L_1 + C_3C_4L_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1\right) + s\left(C_3R_1g_m + C_3C_4R_1g_m + C_3
10.946 INVALID-ORDER-946 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                                                      10.947 INVALID-ORDER-947 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                      \frac{C_{1}C_{4}L_{1}L_{4}R_{1}g_{m}s^{4}+C_{1}C_{4}L_{1}R_{1}R_{4}g_{m}s^{3}+C_{4}R_{1}R_{4}g_{m}s+R_{1}g_{m}+s^{2}\left(C_{1}L_{1}R_{1}g_{m}+C_{4}L_{4}R_{1}g_{m}\right)}{s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{4}+C_{1}C_{3}C_{4}L_{1}R_{4}+C_{1}C_{3}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{1}+2C_{1}C_{4}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{4}\right)+s^{2}\left(C_{1}C_{3}R_{1}+2C_{1}C_{4}R_{1}+C_{3}C_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{1}+C_{3}C_{4}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{4}\right)+s^{2}\left(C_{1}C_{3}R_{1}+2C_{1}C_{4}R_{1}+C_{3}C_{4}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}R_{1}g_{m}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{3}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}+C_{4}C_{4}L_{1}
10.948 INVALID-ORDER-948 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
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 $H(s) = \frac{C_1L_1L_4R_1R_4g_ms^{\circ} + L_4R_1R_4g_ms}{2R_1R_4g_m + 2R_4 + s^4\left(C_1C_3L_1L_4R_1R_4g_m + C_1C_3L_1L_4R_4 + 2C_1C_4L_1L_4R_1R_4g_m + 2C_1L_4R_1R_4 + 2C_1L_4R_1R_4g_m + 2C_1L$

 $C_1L_1L_4R_1R_4g_ms^3 + L_4R_1R_4g_ms$

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H(s) = \frac{C_1C_4L_1L_4R_1R_4g_ms^4 + C_1L_1L_4R_1g_ms^3 + L_4R_1g_ms + R_1R_4g_m + s^2\left(C_1L_1R_1R_4g_m + C_4L_4R_1R_4g_m\right)}{2R_1g_m + s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3L_1L_4R_1g_m + C_1C_3L_1L_4
10.950 INVALID-ORDER-950 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_4g_ms^4 + R_1R_4g_m + s^2\left(C_1L_1R_1R_4g_m + C_4L_4R_1R_4g_m\right)}{2R_1g_m + s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_3L_4L_1L_4R_1g_m + 2C_1C_4L_1R_4g_m + C_1C_4L_1R_4g_m + 
10.951 INVALID-ORDER-951 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, R_4, \infty, \infty\right)
                                                                                                                      H(s) = \frac{C_1L_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(C_1C_3L_1R_1R_3R_4g_m + C_1C_3L_1R_3R_4\right) + s^2\left(C_1C_3R_1R_3R_4 + 2C_1L_1R_1R_3g_m + C_1L_1R_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_4\right) + s\left(2C_1R_1R_3 + C_1R_1R_4 + C_3R_1R_3R_4g_m + C_3R_3R_4\right)}
10.952 INVALID-ORDER-952 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                            H(s) = \frac{C_1L_1R_1R_3g_ms^2 + R_1R_3g_m}{R_1g_m + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_3L_1R_3 + 2C_1C_4L_1R_1R_3g_m + 2C_1C_4L_1R_3\right) + s^2\left(C_1C_3R_1R_3 + 2C_1C_4R_1R_3 + C_1L_1R_1g_m + C_1L_1\right) + s\left(C_1R_1 + C_3R_1R_3g_m + C_3R_3 + 2C_4R_1R_3g_m + 2C_4R_3\right) + 1}
10.953 INVALID-ORDER-953 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
H(s) = \frac{C_1L_1R_1R_3R_4g_ms^2 + R_1R_3R_4g_m}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^3\left(C_1C_3L_1R_1R_3R_4g_m + C_1C_4L_1R_3R_4g_m + 2C_1C_4L_1R_3R_4g_m + 2C_1C_4L_1R_3R_4g_m + 2C_1C_4L_1R_3R_4g_m + 2C_1C_4R_1R_3R_4 + 2C_1C_4R_1R_3R_4 + 2C_1C_4R_1R_3R_4g_m + 2C_1L_1R_1R_3g_m + C_1L_1R_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_4g_m + 2C_1L_1R_3 + C_1L_1R_3 + C_1L_1R_3
10.954 INVALID-ORDER-954 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1R_1R_3R_4g_ms^3 + C_1L_1R_1R_3g_ms^2 + C_4R_1R_3R_4g_ms + R_1R_3g_m}{R_1g_m + s^4\left(C_1C_3C_4L_1R_1R_3R_4g_m + C_1C_3L_4R_1R_3R_4 + C_1C_3L_1R_1R_3g_m + C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_3 + C_
10.955 INVALID-ORDER-955 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_4L_1L_4R_1R_3g_ms^4 + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_4L_4R_1R_3g_m + C_4L_4R_1R_3g_m\right)}{R_1g_m + s^5\left(C_1C_3C_4L_1L_4R_1g_m + C_1C_4L_1L_4R_3\right) + s^4\left(C_1C_3C_4L_4R_1R_3 + C_1C_4L_4R_1R_3g_m + C_4C_4L_4R_1R_3g_m + C_4C
10.956 INVALID-ORDER-956 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
                                              \frac{C_{1}L_{1}L_{4}R_{1}R_{3}g_{m}s^{3}+L_{4}R_{1}R_{3}g_{m}s}{2R_{1}R_{3}g_{m}+2R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}C_{4}L_{1}L_{4}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}L
10.957 INVALID-ORDER-957 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_1C_4L_1L_4R_1R_3g_ms^4 + C_1C_4L_1R_1R_3R_4g_ms^3 + C_1C_4L_1R_1R_3R_4g
 H(s) = \frac{\sum_{1:C_4L_1L_4R_1S_3m_6 - 1:C_4L_1L_4S_3m_6 - 1:C_4L_1L
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10.949 INVALID-ORDER-949 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)$

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10.958 INVALID-ORDER-958 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
H(s) = \frac{C_1L_1L_4R_1R_3R_4g_ms^3 + L_4R_1R_3R_4g_ms}{2R_1R_3R_4g_m + 2R_3R_4 + s^4\left(C_1C_3L_1L_4R_1R_3R_4g_m + C_1C_4L_1L_4R_1R_3R_4 + 2C_1C_4L_1L_4R_1R_3R_4 + 2C_1L_1L_4R_1R_3g_m + C_1L_1L_4R_1R_3g_m + C_1L_1L_4R_1R
10.959 INVALID-ORDER-959 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
                                         \frac{C}{2R_{1}R_{3}g_{m}+R_{1}R_{4}g_{m}+2R_{3}+R_{4}+s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}\right)+s^{4}\left(C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{4}L_{4
10.960 INVALID-ORDER-960 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3}{C_3R_3s+1}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
                                       10.961 INVALID-ORDER-961 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, R_4, \infty, \infty\right)
                                                                                                                                H(s) = \frac{C_1C_3L_1R_1R_3R_4g_ms^3 + C_1L_1R_1R_4g_ms^2 + C_3R_1R_3R_4g_ms + R_1R_4g_m}{2R_1g_m + s^3\left(2C_1C_3L_1R_1R_3g_m + C_1C_3L_1R_1R_4g_m + 2C_1C_3L_1R_3 + C_1C_3L_1R_4\right) + s^2\left(2C_1C_3R_1R_3 + C_1C_3R_1R_4 + 2C_1L_1R_1g_m + 2C_1L_1\right) + s\left(2C_1R_1 + 2C_3R_1R_3g_m + C_3R_1R_4g_m + 2C_3R_3 + C_3R_4\right) + 2C_3R_3R_4g_ms + C_3R_4g_ms + C_3R
10.962 INVALID-ORDER-962 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                     H(s) = \frac{C_1C_3L_1R_1R_3g_ms^3 + C_1L_1R_1g_ms^2 + C_3R_1R_3g_ms + R_1g_m}{s^4\left(2C_1C_3C_4L_1R_1R_3g_m + 2C_1C_3C_4L_1R_3\right) + s^3\left(2C_1C_3C_4R_1R_3 + C_1C_3L_1R_1g_m + C_1C_3L_1 + 2C_1C_4L_1R_1g_m + 2C_1C_4L_1\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1 + 2C_3C_4R_1R_3g_m + 2C_3C_4R_3\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_
10.963 INVALID-ORDER-963 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                         \frac{C_{1}C_{3}L_{1}R_{1}R_{3}R_{4}g_{m}s^{3}+C_{1}L_{1}R_{1}R_{4}g_{m}s^{2}+C_{3}R_{1}R_{3}R_{4}g_{m}s+R_{1}R_{4}g_{m}}{2R_{1}g_{m}+s^{4}\left(2C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}R_{4}g_{m}+2C_{1}C_{3}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{1}R_{3}+C_{1}C_{3}L_{1}R_{3}+C_{1}C_{3}L_{1}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}g_{m}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+C_{1}C_{3}L_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}g_{m}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+C_{1}C_{3}L_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}C_{4}L_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}C_{4}L_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}L_{1}R_{4}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{4}+2C_{1}C_{4}L_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_{3}+2C_{1}C_{4}R_{1}R_{3}R_{4}\right)+s^{2}\left(2C_{1}C_{3}R_{1}R_
10.964 INVALID-ORDER-964 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
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10.964 INVALID-ORDER-964
$$Z(s) = \left(\frac{1}{C_1L_1s^2 + C_1R_1s + 1}, \infty, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$$

$$C_1C_3C_4L_1R_1R_3R_4g_ms^4 + R_1g_m + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_3C_4R_1R_3R_4g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)$$

$$H(s) = \frac{C_1C_3C_4L_1R_1R_3R_4g_ms^4 + R_1g_m + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_3C_4R_1R_3R_4g_m\right) + s^2\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{(1+c_3C_3C_4L_1R_1R_3R_4g_ms^4 + R_1g_m + s^3\left(C_3C_4R_1R_3g_m + C_3C_4R_1R_3R_4g_m\right) + s^2\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}$$

 $H(s) = \frac{C_1C_3C_4L_1R_1R_3R_4g_ms^4 + R_1g_m + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_3C_4R_1R_3R_4g_m\right) + s\left(C_3R_1R_3g_m + C_4R_1R_4g_m\right)}{s^4\left(2C_1C_3C_4L_1R_1R_3g_m + C_1C_3L_1R_1g_m + C_1C_3L_1R_1g_m + C_1C_3L_1R_1g_m + C_1C_4L_1\right) + s^2\left(C_1C_3R_1R_3g_m + C_4R_1R_4g_m\right) + s^2\left(C_1C_3R_1R_3g_m + C_4R_1R_4g_m\right)}$

10.965 INVALID-ORDER-965
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$$

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

10.966 INVALID-ORDER-966
$$Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)$$

 $C_1C_3L_1L_4R_1R_3g_ms^4 + C_1L_1L_4R_1g_ms^3 + C_3L_4R_1R_3g_ms^2 + L_4R_1g_ms$

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10.967 INVALID-ORDER-967 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_4R_1R_3g_ms^5 + R_1g_m + s^4\left(C_1C_3C_4L_1R_1R_3R_4g_m + C_1C_4L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m + C_3C_4L_4R_1R_3g_m\right) + s^2\left(C_1L_1R_1g_m + C_3C_4R_1R_3R_4g_m + C_4C_4L_4R_1g_m + C_4C_4L_4R_4g_m + C_4C
10.968 INVALID-ORDER-968 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                     \frac{1}{2R_{1}R_{4}g_{m}+2R_{4}+s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}R_{4}\right)+s^{4}\left(2C_{1}C_{3}C_{4}L_{4}R_{1}R_{3}R_{4}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{1}L_{4}R_{3}+C_{1}C_{3}L_{1}L_{4}R_{4}+2C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{3}R_{4}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_
10.969 INVALID-ORDER-969 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \frac{C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}s^{3} + R_{1}R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}L_{1}L_{4}R_{1}R
10.970 INVALID-ORDER-970 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
                                        \frac{1}{2R_{1}g_{m}+s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}+C_{1}C_
10.971 INVALID-ORDER-971 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, R_4, \infty, \infty\right)
                                                                                                                H(s) = \frac{C_1C_3L_1L_3R_1R_4g_ms^4 + R_1R_4g_m + s^2\left(C_1L_1R_1R_4g_m + C_3L_3R_1R_4g_m\right)}{2R_1g_m + s^4\left(2C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1L_3\right) + s^3\left(C_1C_3L_1R_1R_4g_m + C_1C_3L_1R_4 + 2C_1C_3L_3R_1\right) + s^2\left(C_1C_3R_1R_4 + 2C_1L_1R_1g_m + 2C_1L_1 + 2C_3L_3R_1g_m + 2C_3L_3\right) + s\left(2C_1R_1 + C_3R_1R_4g_m + C_3R_4\right) + 2C_3R_3R_4g_m +
10.972 INVALID-ORDER-972 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                            H(s) = \frac{C_1C_3L_1L_3R_1g_ms^4 + R_1g_m + s^2\left(C_1L_1R_1g_m + C_3L_3R_1g_m\right)}{2C_1C_3C_4L_3R_1s^4 + s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_3C_4L_1L_3\right) + s^3\left(C_1C_3L_1R_1g_m + C_1C_3L_1 + 2C_1C_4L_1R_1g_m + 2C_1C_4L_1 + 2C_3C_4L_3\right) + s^2\left(C_1C_3R_1 + 2C_1C_4R_1\right) + s\left(C_3R_1g_m + C_3 + 2C_4R_1g_m + 2C_4R_1\right)}
10.973 INVALID-ORDER-973 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_1C_3L_1L_3R_1R_4g_ms^4 + R_1R_4g_m + s^2(C_1L_1R_1R_4g_m + C_3L_3R_1R_4g_m)
H(s) = \frac{C_1C_3L_1L_3R_1R_4g_ms^4 + R_1R_4g_m + s^2\left(C_1L_1R_1R_4g_m + C_3L_3R_1R_4g_m\right)}{2R_1g_m + s^5\left(2C_1C_3C_4L_1L_3R_1R_4g_m + 2C_1C_3L_4L_3R_1R_4g_m + 2C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1R_4g_m + 2C_1C_4L_1R_1R_4g_m + 2C_1C_4L_1R_1R_4g_m + 2C_3C_4L_3R_1R_4g_m + 2C_3C_4L_3R_1R_4g_m
10.974 INVALID-ORDER-974 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                       \frac{C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}q_{m}s^{5}+C_{1}C_{3}L_{1}L_{3}R_{1}g_{m}s^{4}+C_{4}R_{1}R_{4}g_{m}s+R_{1}g_{m}+s^{3}\left(C_{1}C_{4}L_{1}R_{1}R_{4}g_{m}+C_{3}C_{4}L_{3}R_{1}R_{4}g_{m}\right)+s^{2}\left(C_{1}L_{1}R_{1}g_{m}+C_{3}L_{3}R_{1}g_{m}\right)}{s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}g_{m}+2C_{1}C_{3}L_{4}L_{1}R_{1}q_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{4}L_{1}R_{1}g_{
10.975 INVALID-ORDER-975 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_ms^6 + R_1g_m + s^4\left(C_1C_3L_1L_3R_1g_m + C_1C_4L_1L_4R_1g_m + C_3C_4L_3L_4R_1g_m\right) + s^2\left(C_1L_1R_1g_m + C_3L_3R_1g_m + C_4L_4R_1g_m\right)}{s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_3C_4L_1L_3 + C_1C_3C_4L_1L_4\right) + s^4\left(2C_1C_3C_4L_3R_1 + C_1C_3C_4L_4R_1\right) + s^3\left(C_1C_3L_1R_1g_m + 2C_1C_4L_1R_1g_m + 2C_3C_4L_3R_1g_m + 2C_3C_4L_3R_1g_m + C_3C_4L_4\right) + s^2\left(C_1C_3R_1 + 2C_1C_4L_1R_1g_m + C_3C_4L_1R_1g_m + 2C_3C_4L_3R_1g_m + 2C_3C_4L_3R_1g_m + C_3C_4L_4R_1g_m\right)}
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10.976 INVALID-ORDER-976 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ L_3s+\frac{1}{C_3s}, \ \frac{L_4s}{C_4L_4s^2+1}, \ \infty, \ \infty\right)
H(s) = \frac{C_1C_3L_1L_3L_4R_1g_ms^5 + L_4R_1g_ms + s^3\left(C_1L_1L_4R_1g_m + C_3L_3L_4R_1g_m\right)}{2C_1C_3C_4L_3L_4R_1s^5 + 2C_1R_1s + 2R_1g_m + s^6\left(2C_1C_3C_4L_1L_3L_4R_1g_m + 2C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1L_4R_1g_m + 2C_1C_4L_1L_4R_1g_m + 2C_1C_4L_1L_4R_1g_m + 2C_3C_4L_3L_4R_1g_m + 2C_3
10.977 INVALID-ORDER-977 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_ms^6 + C_1C_3C_4L_1L_3R_1R_4g_ms^5 + C_4R_1R_4g_ms + R_1g_m + s^4\left(C_1C_3L_1L_3R_1g_m + C_1C_4L_1L_4R_1g_m + C_3C_4L_3L_4R_1g_m\right) + s^3\left(C_1C_4L_1R_1R_4g_m + C_3C_4L_3R_1R_4g_m\right) + s^4\left(C_1C_3C_4L_1L_3R_1g_m + C_1C_3C_4L_1L_4R_1g_m + C_1C_3C_4L_1R_1R_4g_m + C_1C_3C_4L_1R_4g_m + C_
10.978 INVALID-ORDER-978 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
H(s) = \frac{1}{2R_{1}R_{4}g_{m} + 2R_{4} + s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{3}R_{4}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}R_{4}g_{m} + 2C_{1}C_{3}L_{4}
10.979 INVALID-ORDER-979 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
                                      \frac{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{6} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m}s^{5} + L_{4}R_{1}g_{m}s + R_{1}R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{1}R_{4}g_{m} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{1}g_{m} + C_{1}C_{3}L_{1}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{1}g_{m} + C_{1}C_{3}L_{1}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{
10.980 INVALID-ORDER-980 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
H(s) = \frac{C_1 C_3 C_4 L_1}{2 R_1 g_m + s^6 \left(2 C_1 C_3 C_4 L_1 L_3 L_4 R_1 g_m + 2 C_1 C_3 C_4 L_1 L_3 R_4 + C_1 C_3 C_4 L_1 L_3 R_4 + C_1 C_3 C_4 L_1 L_4 R_4 g_m + C_1 C_3 C_4 L_1 L_4 R_4 + 2 C_1 C_3 C_4 L_4 R_1 R_4 + C_1 C_3 C_4 L_4 R_1 R_4 + 2 C_1 C_3 C_4 L_4 R_1 R_4 + C_1 C_3 C_4 L_4 R_1 R_4 R_4 + C_1 C_3 C_4 L_4 R_1 R_4 + 
10.981 INVALID-ORDER-981 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, R_4, \infty, \infty\right)
                                                                                            10.982 INVALID-ORDER-982 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{1}{C_4s}, \infty, \infty\right)
                                                                                                                                  H(s) = \frac{C_1L_1L_3R_1g_ms^3 + L_3R_1g_ms}{C_1R_1s + R_1g_m + s^4\left(C_1C_3L_1L_3R_1g_m + C_1C_3L_1L_3 + 2C_1C_4L_1L_3R_1g_m + 2C_1C_4L_1L_3\right) + s^3\left(C_1C_3L_3R_1 + 2C_1C_4L_3R_1\right) + s^2\left(C_1L_1R_1g_m + C_1L_1 + C_3L_3R_1g_m + C_3L_3 + 2C_4L_3R_1g_m + 2C_4L_3\right) + 1}
10.983 INVALID-ORDER-983 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                      \frac{C_{1}L_{1}R_{3}R_{1}R_{4}g_{m}s^{3}+L_{3}R_{1}R_{4}g_{m}s}{R_{1}R_{4}g_{m}+R_{4}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+2C_{1}C_{4}L_{1}L_{3}R_{1}R_{4}+2C_{1}C_{4}L_{3}R_{1}R_{4}+2C_{1}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{4}g_{m}+C_{1}L_{1}R_{1}R_{4}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}+C_{1}L_{1}R_{1}R_{2}g_{m}
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10.985 INVALID-ORDER-985 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{L_3s}{C_3L_3s^2+1}, \ L_4s+\frac{1}{C_4s}, \ \infty, \ \infty\right)
H(s) = \frac{C_1C_4L_1L_3L_4R_1g_ms^5 + L_3R_1g_ms + s^3\left(C_1L_1L_3R_1g_m + C_4L_3L_4R_1g_m\right)}{C_1C_3C_4L_3L_4R_1s^5 + C_1R_1s + R_1g_m + s^6\left(C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3L_1L_3R_1g_m + C_1C_4L_1L_3R_1g_m + C_1C_4L_1L_4R_1g_m + C_1C_4L_4R_1g_m + 
10.986 INVALID-ORDER-986 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
H(s) = \frac{C_1L_1L_3L_4R_1g_ms^3 + L_3L_4R_1g_ms}{2L_3R_1g_m + 2L_3 + L_4R_1g_m + L_4 + s^4\left(C_1C_3L_1L_3L_4R_1g_m + C_1C_3L_1L_3L_4 + 2C_1C_4L_1L_3L_4\right) + s^3\left(C_1C_3L_3L_4R_1g_m + 2C_1L_4L_3R_1g_m + 2C_1L_4R_1g_m + C_1L_4R_1g_m + C_1L_4R_1g_m + C_3L_3L_4R_1g_m + C_3L_3L_3L_4R_1g_m + C_3L_3L_3L_4R_1g_m + C_3L_3L_3L_3R_1g_m + C_3L_3L_3L_3R_1g_m + C_3L_3L_3L_3R_1g_m + C_
10.987 INVALID-ORDER-987 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                        \frac{C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{s}+C_{1}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}s^{s}+C_{1}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}s^{s}+C_{1}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}s^{s}+C_{1}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{
10.988 INVALID-ORDER-988 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
                                           \frac{C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m}s^{3}+L_{3}L_{4}R_{1}R_{4}g_{m}s}{2L_{3}R_{1}R_{4}g_{m}+2L_{3}R_{4}+L_{4}R_{1}R_{4}g_{m}+L_{4}R_{4}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1}R_{4}+2C_{1}L_{1}L_{3}L_{4}R_{1
10.989 INVALID-ORDER-989 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
H(s) = \frac{-c_{1}}{R_{1}R_{4}g_{m} + R_{4} + s^{6}\left(C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m} + C_{
10.990 INVALID-ORDER-990 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3s}{C_3L_3s^2+1}, \frac{R_4\left(C_4L_4s^2+1\right)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
                                          \frac{C_1C_4L_1}{R_1R_4g_m + R_4 + s^6\left(C_1C_3C_4L_1L_3L_4R_1R_4g_m + C_1C_3C_4L_1L_3L_4R_4\right) + s^5\left(C_1C_3C_4L_3L_4R_1R_4 + 2C_1C_4L_1L_3L_4\right) + s^4\left(C_1C_3L_1L_3R_1R_4g_m + C_1C_4L_1L_3R_4 + 2C_1C_4L_1L_3R_4 + 2C_1C_4L_1L_
10.991 INVALID-ORDER-991 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, R_4, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1L_3R_1R_4g_ms^4 + C_1C_3L_1R_1R_3R_4g_ms^3 + C_3R_1R_3R_4g_ms + R_1R_4g_m + s^2\left(C_1L_1R_1R_4g_m + C_3L_3R_1R_4g_m\right)}{2R_1g_m + s^4\left(2C_1C_3L_1L_3R_1g_m + 2C_1C_3L_1R_3\right) + s^3\left(2C_1C_3L_1R_1R_3g_m + C_1C_3L_1R_1R_4g_m + 2C_1C_3L_1R_3 + C_1C_3L_1R_3 + C_1C_3L_1R_3 + C_1C_3L_1R_3 + C_1C_3R_1R_3 + C_1C
10.992 INVALID-ORDER-992 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \infty, \infty\right)
                                          \frac{C_{1}C_{3}L_{1}L_{3}R_{1}g_{m}s^{4}+C_{1}C_{3}L_{1}R_{1}R_{3}g_{m}s^{3}+C_{3}R_{1}R_{3}g_{m}s+R_{1}g_{m}+s^{2}\left(C_{1}L_{1}R_{1}g_{m}+C_{3}L_{3}R_{1}g_{m}\right)}{s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}\right)+s^{4}\left(2C_{1}C_{3}C_{4}L_{1}R_{3}g_{m}+2C_{1}C_{3}C_{4}L_{1}R_{3}+2C_{1}C_{3}C_{4}L_{1}R_{3}+C_{1}C_{3}L_{1}R_{1}g_{m}+C_{1}C_{3}L_{1}+2C_{1}C_{4}L_{1}R_{2}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{3}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{3}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{3}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{3}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{3}C_{4}L_{1}R_{1}g_{m}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_{1}+2C_{1}C_{4}L_
10.993 INVALID-ORDER-993 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_1C_3L_1L_3R_1R_4g_ms^4 + C_1C_3L_1R_1
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10.994 INVALID-ORDER-994 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3R_1R_4g_ms^5 + R_1g_m + s^4\left(C_1C_3C_4L_1R_1R_3R_4g_m + C_1C_3L_1L_3R_1g_m\right) + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_4L_1R_1R_4g_m + C_3C_4L_3R_1R_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_3C_4R_1R_3R_4g_m\right) + s^2\left(C_1L_1R_1g_m + C_3C_4R_1R_4 + C_1C_3C_4R_1R_4 + C_1C_
10.995 INVALID-ORDER-995 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)
H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_ms^6 + C_1C_3C_4L_1L_4R_1g_ms^5 + C_3R_1R_3g_ms + R_1g_m + s^4\left(C_1C_3L_1L_3R_1g_m + C_1C_4L_1L_4R_1g_m + C_3C_4L_3L_4R_1g_m\right) + s^3\left(C_1C_3L_1R_1R_3g_m + C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1R_3g_m + C_3C_4L_4R_1g_m\right) + s^4\left(C_1C_3C_4L_1L_3R_1g_m + C_3C_4L_4R_1g_m + C_
10.996 INVALID-ORDER-996 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)
H(s) = \frac{C_1C_3L_1L_3L_4R_1g_ms^\circ + C_1C_3L_1L_4R_1g_ms^\circ + C_1C_3L_1L_4R_1g
10.997 INVALID-ORDER-997 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)
                                         \frac{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m}s^{6}+R_{1}g_{m}+s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}\right)+s^{4}\left(C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}g_{m}+C_{1}C_{3}L_{1}L_{3}R_{1}g_{m}+C_{1}C_{4}L_{1}L_{4}R_{1}g_{m}+C_{3}C_{4}L_{3}L_{4}R_{1}g_{m}\right)+s^{3}\left(C_{1}C_{3}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L_{1}R_{1}R_{2}g_{m}+C_{1}C_{3}C_{4}L
10.998 INVALID-ORDER-998 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)
H(s) = \frac{1}{2R_{1}R_{4}g_{m} + 2R_{4} + s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{2}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{2}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{2}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R
10.999 INVALID-ORDER-999 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)
                                        \frac{C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{4}g_{m}s^{6}+R_{1}R_{4}g_{m}+s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}
10.1000 INVALID-ORDER-1000 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, L_3s + R_3 + \frac{1}{C_3s}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)
H(s) = \frac{1}{2R_1g_m + s^6\left(2C_1C_3C_4L_1L_3L_4R_1g_m + 2C_1C_3C_4L_1L_3L_4\right) + s^5\left(2C_1C_3C_4L_1L_3R_1R_4g_m + 2C_1C_3C_4L_1L_4R_1R_3g_m + C_1C_3C_4L_1L_4R_1R_4g_m + 2C_1C_3C_4L_1L_4R_4 + 2C_1C_3
10.1001 INVALID-ORDER-1001 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, R_4, \infty, \infty\right)
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 $H(s) = \frac{C_1L_1L_3R_1R_3g_ms^3 + L_3R_1R_3g_ms}{R_1R_3g_m + R_3 + s^4\left(C_1C_3L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + 2C_1C_4L_1L_3R_3\right) + s^3\left(C_1C_3L_3R_1R_3 + 2C_1C_4L_3R_1R_3 + C_1L_1L_3R_1R_3g_m + C_1L_1R_3 + C_1L_$

10.1002 INVALID-ORDER-1002 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{1}{C_4s}, \infty, \infty\right)$

10.1003 INVALID-ORDER-1003 $Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \ \infty, \ \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \ \frac{R_4}{C_4R_4s+1}, \ \infty, \ \infty\right)$

 $H(s) = \frac{C_1L_1L_3R_1R_3R_4g_ms^3 + L_3R_1R_3R_4g_ms}{R_1R_3R_4g_m + R_3R_4 + s^4\left(C_1C_3L_1L_3R_1R_3R_4g_m + C_1C_4L_1L_3R_1R_3R_4 + 2C_1C_4L_1L_3R_1R_3R_4 + 2C_1L_1L_3R_1R_3g_m + C_1L_1L_3R_1R_3g_m + C_1L_1L_3R_3g_m +$

10.1004 INVALID-ORDER-1004 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$

 $H(s) = \frac{C_1C_4L_1L_3R_1R_3}{R_1R_3g_m + R_3 + s^5\left(C_1C_3C_4L_1L_3R_1R_3R_4g_m + C_1C_3C_4L_1L_3R_3R_4 + C_1C_3L_4L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1R_3R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m$

10.1005 INVALID-ORDER-1005 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$

 $\frac{C_{1}C_{4}L_{1}L_{3}L_{4}}{R_{1}R_{3}g_{m}+R_{3}+s^{6}\left(C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}\right)+s^{5}\left(C_{1}C_{3}C_{4}L_{3}L_{4}R_{1}R_{3}+C_{1}C_{4}L_{1}L_{3}L_{4}\right)+s^{4}\left(C_{1}C_{3}L_{1}L_{3}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}R_{3}+C_{1}C_{4}L_{1}L_{3}$

10.1006 INVALID-ORDER-1006 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)$

 $\frac{C_{1}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}s^{3}+L_{3}L_{4}R_{1}R_{3}g_{m}s}{2L_{3}R_{1}R_{3}g_{m}+2L_{3}R_{3}+L_{4}R_{1}R_{3}g_{m}+L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}+c_{1}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}+c_{1}L_{1}L_{3}L_{4}R_{3}+s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}+s^{4}L_{1}L_{3}L_{4}R_{3}+s$

10.1007 INVALID-ORDER-1007 $Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, L_4s+R_4+\frac{1}{C_4s}, \infty, \infty\right)$

10.1008 INVALID-ORDER-1008 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)$

 $2L_{3}R_{1}R_{3}R_{4}g_{m} + 2L_{3}R_{3}R_{4} + L_{4}R_{1}R_{3}R_{4}g_{m} + L_{4}R_{3}R_{4} + s^{4}\left(C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m} + C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + 2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4} + 2C_{$

10.1009 INVALID-ORDER-1009 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)$

10.1010 INVALID-ORDER-1010 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{L_3R_3s}{C_3L_3R_3s^2+L_3s+R_3}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)$

 $\overline{R_{1}R_{3}R_{4}g_{m}+R_{3}R_{4}+s^{6}\left(C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}R_{4}\right)+s^{5}\left(C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{4}L_{1}L_{3}L_{4}R_{3}+C_{1}C_{4}L_{1}L_$

10.1011 INVALID-ORDER-1011 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, R_4, \infty, \infty\right)$

 $H(s) = \frac{C_1C_3L_1L_3R_1R_3R_4g_ms^4 + C_1L_1L_3R_1R_4g_ms^3 + L_3R_1R_4g_ms + R_1R_3R_4g_m + s^2\left(C_1L_1R_1R_3R_4g_m + C_3L_3R_1R_3R_4g_m\right)}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^4\left(2C_1C_3L_1L_3R_1R_4g_m + 2C_1L_1L_3R_1R_4g_m + 2C_1L_1L_3R_1R_4g_m + 2C_1L_1L_3R_1R_4g_m + 2C_1L_1R_1R_4g_m + 2C_1L_1R_1R_4g_m + 2C_1L_1R_1R_4g_m + 2C_1L_1R_4R_4g_m + 2C_1L_1R_4R_4g_m + 2C_1L_1R_4g_m + 2C_1L_1R_4R_4g_m + 2C_1$

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10.1012 INVALID-ORDER-1012 Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{1}{C_4s}, \infty, \infty\right)
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 $H(s) = \frac{C_1C_3L_1L_3R_1R_3g_ms^4 + C_1L_1L_3R_1g_ms^3 + L_3R_1g_ms + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_3L_3R_1R_3g_m\right)}{R_1g_m + s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_4L_1L_3R_1g_m + 2C_1C_4L_1R_3g_m + 2C_3C_4L_3R_3g_m + 2C_3C_4L_3R_3g_m$

10.1013 INVALID-ORDER-1013
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^5\left(2C_1C_3C_4L_1L_3R_1R_3R_4g_m + 2C_1C_3C_4L_1L_3R_3R_4 + 2C_1C_3L_1L_3R_1R_3g_m + C_1C_3L_1L_3R_3R_4 + 2C_1C_3L_1L_3R_3R_4 + 2C_1C_3L_1L_3R_4 + 2C_1C_3L_3L_3R_4 + 2C_1C_3L_3$

10.1014 INVALID-ORDER-1014
$$Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$$

 $H(s) = \frac{C_1C_3C_4L_1L_3R_1R_3R_4g_ms^5 + R_1R_3g_m + s^4\left(C_1C_3L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_4g_m\right) + s^3\left(C_1C_4L_1R_1R_3R_4g_m + s^4\left(C_1C_3C_4L_1L_3R_1R_3g_m + C_1C_4L_1L_3R_1R_3g_m + C_1C_4L_1R_1R_3g_m + C_1C_$

10.1015 INVALID-ORDER-1015
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1R_3g_ms^6 + C_1C_4L_1L_3L_4R_1g_ms^5 + L_3R_1g_ms + R_1R_3g_m + s^4\left(C_1C_3L_1L_3R_1R_3g_m + C_1C_3C_4L_1L_3R_1R_3g_m + C_1C_3C_4L_1L_3R_1g_m + C_1C_3C_4L_1L_3R_1g_m$

10.1016 INVALID-ORDER-1016
$$Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_{1}R_{3}g_{m} + 2R_{3} + s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m} + 2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{3}\right) + s^{5}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m} + C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}g_{m} + 2C_{1}C_{4}L_{1}L_{3}L_{4}R_{1}g_{m} + 2C_{1}C_{3}L_{1}L_{3}R_{1}R_{3}g_{m} + 2C_{1}C_{3}L_{1}L_{3}R_{3} + C_{1}C_{3}L_{1}L_{3}R_{4}R_{1}R_{3}g_{m} + 2C_{1}C_{3}L_{1}L_{3}R_{1}R_{3}g_{m} + 2C_{1}C_{3}L_{1}L_{3}R_{1}R_{1}R_{2}g_{m} + 2C_{1}C_{3}L_{1}L_{3}R_{1}R_{1}R_{2}g_{m} + 2C_{1}C_{3}L_{1}L_{3$

10.1017 INVALID-ORDER-1017
$$Z(s) = \left(\frac{R_1\left(C_1L_1s^2+1\right)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$$

10.1018 INVALID-ORDER-1018
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_1R_3R_4g_m + 2R_3R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3R_4g_m + 2C_1C_3C_4L_1L_3L_4R_1R_3R_4 + 2C_1C_3L_1L_3L_4R_1R_3g_m + C_1C_3L_1L_3L_4R_1R_4g_m + 2C_1C_3L_1L_3L_4R_1R_4g_m + 2C_1C_4L_1L_3L_4R_1R_4g_m + 2C_1C_4L_1L_3L_4R_4g_m + 2C_1C_4L_$

10.1019 INVALID-ORDER-1019
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3C_4L_1L_3L_4R_1 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3C_4L_1L_3L_4R_1 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3C_4L_1L_3L_4R_1 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_4 + C_1C_3L_1L_3L_4R_1 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3C_4L_1L_3L_4R_1 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_4g_m + s^6\left(2C_1C_3C_4L_1L_$

10.1020 INVALID-ORDER-1020
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{C_3L_3R_3s^2+L_3s+R_3}{C_3L_3s^2+1}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_{1}R_{3}g_{m} + R_{1}R_{4}g_{m} + 2R_{3} + R_{4} + s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m} + C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3} + C_{1}C_{3}C_{4}L_{1}L_{3}$

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10.1021 INVALID-ORDER-1021 Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, R_4, \infty, \infty\right)
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 $H(s) = \frac{C_1C_3L_1L_3R_1R_3R_4g_ms^4 + R_1R_3R_4g_m + s^2\left(C_1L_1R_1R_3R_4g_m + C_3L_3R_1R_3R_4g_m\right)}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^4\left(2C_1C_3L_1L_3R_1R_3g_m + C_1C_3L_1L_3R_1R_4g_m + 2C_1C_3L_1L_3R_1R_3g_m + C_1C_3L_1R_3R_4g_m + C_1C_3L_1R_3R_4g_m$

10.1022 INVALID-ORDER-1022
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{1}{C_4s}, \infty, \infty\right)$$

 $H(s) = \frac{C_1C_3L_1L_3R_1R_3g_ms^4 + R_1R_3g_m + s^2\left(C_1L_1R_1R_3g_m + C_3L_3R_1R_3g_m\right)}{R_1g_m + s^5\left(2C_1C_3C_4L_1L_3R_1g_m + 2C_1C_3C_4L_1L_3R_3\right) + s^4\left(2C_1C_3C_4L_3R_1R_3 + C_1C_3L_1L_3\right) + s^3\left(C_1C_3L_1R_1R_3g_m + C_1C_3L_1R_3 + C_1C_3L_1R_3g_m + 2C_1C_4L_1R_3g_m + 2C_3C_4L_3R_3g_m\right) + s^4\left(2C_1C_3C_4L_1R_3R_3g_m + C_3C_3L_3R_3g_m + C_3C_3L_3R_3g_m + 2C_3C_4L_3R_3g_m + 2C_3C_4L_3$

10.1023 INVALID-ORDER-1023
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \infty, \infty\right)$$

 $H(s) = \frac{C_1C_2}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^5\left(2C_1C_3C_4L_1L_3R_1R_3R_4g_m + 2C_1C_3C_4L_1L_3R_3R_4 + 2C_1C_3L_1L_3R_1R_3g_m + C_1C_3L_1L_3R_3 + C_1C_3L_1L_3R_3 + C_1C_3L_1L_3R_4 + s^3\left(C_1C_3L_1R_1R_3R_4g_m + 2C_1C_3L_1L_3R_3R_4 + 2C_1C_3L_3L_3R_3R_4 + 2C_1C_3L_3L_3R_3R_4 + 2C_1C_3L_3L_3R_3R_4 + 2C_1C_3L_3L_3R_3R_4 + 2C_1C_3L_3L_3R_3R_4 + 2C_1C_3L_3L_3R_3$

10.1024 INVALID-ORDER-1024
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \infty, \infty\right)$$

 $\frac{C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}R_{4}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{1}R_{3}g_{m}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{3}+C_{1}C_{3}C_{4}L_{1}L_{3}R_{4}+C_{1}C_{3}C_{4}L_{1}R_{3}R_{4}+C_{1}C_{3}C_{$

10.1025 INVALID-ORDER-1025
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s + \frac{1}{C_4s}, \infty, \infty\right)$$

 $H(s) = \frac{C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3L_4R_1g_m + C_1C_3C_4L_1L_3R_1R_3g_m + C_1C_3C_4L_1L_4R_1R_3g_m + C_1C_3C_4L_1L_4R_1R_3g_m + C_1C_3C_4L_1L_4R_1R_3g_m + C_1C_3C_4L_4R_1R_3 + C_1C_3C_4L_4R_1R_3$

10.1026 INVALID-ORDER-1026
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4s}{C_4L_4s^2+1}, \infty, \infty\right)$$

 $H(s) = \frac{C_1}{2R_1R_3g_m + 2R_3 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + 2C_1C_3C_4L_1L_3L_4R_3\right) + s^5\left(2C_1C_3C_4L_3L_4R_1R_3 + C_1C_3L_1L_3L_4R_1g_m + C_1C_3L_1L_3R_3 + C_1C_3L_1L_3R_3 + C_1C_3L_1L_4R_1R_3g_m + C_1C_3L_1L_4R_3 + C_1C_3L_1L_4R_3 + C_1C_3L_1L_4R_1R_3g_m + C_1C_3L_3L_4R_1R_3g_m + C_1C_3L_3L_4R_1R_3g_m + C_1C_3L_3L_4R_1R_3g_m + C_1C_3L_3L_4R_1R_3g_m + C_1C_3L_3L_4R_3g_m + C_1C_3L_3L_3L_3R_3g_m + C_1$

10.1027 INVALID-ORDER-1027
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, L_4s + R_4 + \frac{1}{C_4s}, \infty, \infty\right)$$

 $H(s) = \frac{1}{R_1 g_m + s^6 \left(C_1 C_3 C_4 L_1 L_3 L_4 R_1 g_m + C_1 C_3 C_4 L_1 L_3 L_4 \right) + s^5 \left(2 C_1 C_3 C_4 L_1 L_3 R_1 R_3 g_m + C_1 C_3 C_4 L_1 L_3 R_4 + C_1 C_3 C_4 L_1 L_4 R_1 R_3 g_m + C_1 C_3 C_4 L_1 L_4 R_3 + C_1 C_3 C_4 L_4 L_4 R_4 + C_1$

10.1028 INVALID-ORDER-1028
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{L_4R_4s}{C_4L_4R_4s^2+L_4s+R_4}, \infty, \infty\right)$$

 $\overline{2R_{1}R_{3}R_{4}g_{m}+2R_{3}R_{4}+s^{6}\left(2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}g_{m}+2C_{1}C_{3}C_{4}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}+2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}+C_{1}C_{3}L_{1}L_{3}L_{4}R_{4}+s^{4}\left(2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}+2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}g_{m}+2C_{1}C_{3}L_{1}L_{3}L_{4}R_{3}+C_{1}C_{3}L_{1}L_{3}L_{4}R_{4}+s^{4}\left(2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}+2C_{1}C_{3}L_{1}L_{3}L_{4}R_{1}R_{3}R_{4}$

10.1029 INVALID-ORDER-1029
$$Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{C_4L_4R_4s^2+L_4s+R_4}{C_4L_4s^2+1}, \infty, \infty\right)$$

 $H(s) = \frac{1}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3C_4L_1L_3L_4R_3 + C_1C_3C_4L_1L_3L_4R_3 + C_1C_3C_4L_1L_4R_1R_3R_4g_m + C_1C_3C_4L_1L_4R_4R_4g_m + C_1C_3C_4L_1L_4R_4R_4g_m + C_1C_3C_4L_1L_4R_4R_4g_m + C_1C_3C_4L_4R_4R_4g_m + C_1C_3C_4L_4R_4R_4g_m + C_1C_3C_4L_4R_4R_4g_m + C_1C_3C_4L_4R_4g_m + C_1C_3C_4L_4R_4R_4g_m + C_1C_3C_4L_4R_4g_m + C_1C_3C_4L_4R_4g_m + C_1C_3C_4L_4R_4g_m + C_1C_3C_4L_4R_4R_4g_m + C_1C_3C_4L_4R_4g_m + C_1C_3C_4L_4R_4g_m + C_1C_3C_4L_4R_4g_m + C_1C_3C$

10.1030 INVALID-ORDER-1030 $Z(s) = \left(\frac{R_1(C_1L_1s^2+1)}{C_1L_1s^2+C_1R_1s+1}, \infty, \frac{R_3(C_3L_3s^2+1)}{C_3L_3s^2+C_3R_3s+1}, \frac{R_4(C_4L_4s^2+1)}{C_4L_4s^2+C_4R_4s+1}, \infty, \infty\right)$

 $H(s) = \frac{1}{2R_1R_3g_m + R_1R_4g_m + 2R_3 + R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3C_4L_1L_3L_4R_1R_4g_m + 2C_1C_3C_4L_1L_3L_4R_3 + C_1C_3C_4L_1L_3L_4R_4R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3R_4g_m + 2C_1C_3C_4L_1L_3R_4R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3C_4L_1L_3L_4R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3g_m + C_1C_3C_4L_1L_3L_4R_4 + s^6\left(2C_1C_3C_4L_1L_3L_4R_1R_3R_4 +$

11 PolynomialError