$Filter\ Summary\ Report:\ VLSI, CMMF, Automated, NA, Z1, Z2, Z3, Z4, Z5, Z6$

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Contents

1 Examined $H(z)$ for VLSI CMMF Automated NA Z1 Z2 Z3 Z4 Z5 Z6: $\frac{Z_1Z_2Z_4Z_6}{Z_1Z_4Z_5-Z_2Z_3Z_4+Z_2Z_3Z_5+Z_2Z_4Z_5+Z_3Z_4Z_5}$	104
2 AP	104
3 BP 3.1 BP-1 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	104 104
$3.2 \text{BP-2 } Z(s) = \left(R_1, \ R_2, \ R_3, \ R_4, \ R_5 + \frac{1}{C_s s}, \frac{R_6}{C_s R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	
3.3 BP-3 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	
$3.4 \text{BP-4 } Z(s) = \left(R_1, \ R_2, \ R_3, \ \frac{1}{C_{4}s}, \ R_5 + \frac{1}{C_{5}s}, \ R_6\right) \ \dots $	
3.5 BP-5 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	
3.6 BP-6 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
3.7 BP-7 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	106
3.8 BP-8 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	106
3.9 BP-9 $Z(s) = (R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1})'$	
3.10 BP-10 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	106
3.11 BP-11 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	
$3.12 \text{ BP-12 } Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	
3.13 BP-13 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)^{\frac{1}{2}}$	
3.14 BP-14 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
3.15 BP-15 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
$3.16 \text{ BP-16 } Z(s) = \left(R_1, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ R_6\right) $	
$3.17 \text{ BP-17 } Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s} \right) $	
3.18 BP-18 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	
$3.19 \text{ BP-19 } Z(s) = \left(R_1, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) $	
$3.20 \text{ BP-20 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) \qquad (2.2)$	
3.21 BP-21 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	
$3.22 \text{ BP-22 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	110
$3.23 \text{ BP-23 } Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots \dots$	110
$3.24 \text{ BP-24 } Z(s) = \left\langle R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right\rangle \dots $	111
$3.25 \text{ BP-25 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 \right) \dots $	
$3.26 \text{ BP-26 } Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 \right) $	111
$3.27 \text{ BP-27 } Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s} \right) \dots $	111
$3.28 \text{ BP-28 } Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 \right) $	112
$3.29 \text{ BP-}29 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	112

3.30 BP-30 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
3.31 BP-31 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
$3.32 \text{ BP-}32 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $
3.33 BP-33 $Z(s) = (R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6)'$
3.34 BP-34 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
3.35 BP-35 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
$3.36 \text{ BP-36 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
3.37 BP-37 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
3.38 BP-38 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_4 R_4 s + 1}, R_5, R_6\right)$
3.39 BP-39 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$3.40 \text{ BP-40 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) \dots $
$3.41 \text{ BP-41 } Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $
$3.42 \text{ BP-42 } Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $
$3.43 \text{ BP-43 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \right) \dots $
$3.44 \text{ BP-44 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$
$3.45 \text{ BP-45 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right) \dots \dots$
$3.46 \text{ BP-46 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, R_6\right) \dots \dots$
$3.47 \text{ BP-47 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$
$3.48 \text{ BP-48 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6\right) $
$3.49 \text{ BP-49 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$
3.50 BP-50 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$
3.51 BP-51 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
3.52 BP-52 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, R_6\right)$
3.53 BP-53 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
$3.54 \text{ BP-54 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6\right) \dots \dots$
$3.56 \text{ BP-56 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_5s}, \frac{1}{C_6s}\right) \dots \dots$
$ 3.50 \text{ BP-50 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right) $ $ 3.57 \text{ BP-57 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right) $
$3.57 \text{ BP-5} Z(s) = \left(R_1, \frac{1}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right) $ $3.58 \text{ BP-5} Z(s) = \left(\frac{1}{C_1s}, R_2, R_3, R_4, \frac{1}{C_5s}, R_6\right) $ $\dots \dots $
$3.59 \text{ BP-59 } Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3, R_4, \frac{1}{C_{5s}}, R_6\right) \dots \dots$
$3.60 \text{ BP-60 } Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, R_6\right) \dots \dots$
$3.61 \text{ BP-61 } Z(s) = \begin{pmatrix} \frac{1}{C_{1s}}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 \end{pmatrix} \dots $
$3.62 \text{ BP-62 } Z(s) = \left(\frac{1}{C_{1s}}, R_2, \frac{1}{C_{3s}}, R_4, \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right) \dots \dots$
$3.63 \text{ BP-63 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right) \dots \dots$
$3.64 \text{ BP-64 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
$3.65 \text{ BP-65 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right) \dots \dots$
$3.66 \text{ BP-}66 \ Z(s) = \left(\frac{1}{C_{18}}, \ R_2, \ \frac{1}{C_{28}}, \ \frac{R_4}{C_6R_6s+1}, \ \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right) \dots \dots$
$3.67 \text{ BP-}67 \ Z(s) = \left(\frac{1}{2}, R_2, \frac{1}{2}, \frac{R_4}{2}, R_5 + \frac{1}{2}, R_6\right) $
$3.68 \text{ BP-}68 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2, \ R_3 + \frac{1}{C_{3s}}, \ R_4, \ \frac{1}{C_{5s}}, \ R_6\right) \dots \dots$
$3.69 \text{ BP-69 } Z(s) = \left(\frac{1}{C_{1}s}, R_2, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6\right) \dots \dots$

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>	$\left(\frac{1}{C_{1s}},\ R_{2},\ R_{3} + \frac{1}{C_{3s}},\ \frac{1}{C_{4s}},\ \frac{1}{C_{5s}},\ R_{6}\right)$.24
3.71 BP-71 $Z(s) = ($	$\left(\frac{1}{C_{1}s},\ R_{2},\ R_{3} + \frac{1}{C_{3}s},\ \frac{R_{4}}{C_{4}R_{4}s+1},\ \frac{1}{C_{5}s},\ R_{6}\right)$	124
3.72 BP-72 $Z(s) = ($	$\left(\frac{1}{C_{1}s}, \frac{1}{C_{2}s}, \frac{1}{C_{3}s}, R_{4}, \frac{1}{C_{5}s}, \frac{R_{6}}{C_{6}R_{6}s+1}\right)$	125
3.73 BP-73 $Z(s) = ($	$\left(\frac{1}{C_{1}s}, \frac{1}{C_{2}s}, \frac{1}{C_{3}s}, R_{4}, R_{5} + \frac{1}{C_{5}s}, R_{6}\right)$	125
3.74 BP-74 $Z(s) = ($	$\left(\frac{1}{C_1s}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	125
3.75 BP-75 $Z(s) = ($	$\left(\frac{1}{C_{1}s}, \frac{1}{C_{2}s}, \frac{1}{C_{3}s}, \frac{R_{4}}{C_{4}R_{4}s+1}, R_{5} + \frac{1}{C_{5}s}, R_{6}\right)$	ւ25
3.76 BP-76 $Z(s) = ($	$\left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4, \frac{1}{C_{5s}}, R_6\right)$	₁ 26
3.77 BP-77 $Z(s) = ($	$\left(\frac{1}{C_{1}s}, \frac{1}{C_{2}s}, R_{3} + \frac{1}{C_{3}s}, \frac{R_{4}}{C_{4}R_{4}s+1}, \frac{1}{C_{5}s}, R_{6}\right)$	126
\	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	126
3.79 BP-79 $Z(s) = ($	$\left(\frac{1}{C_{1}s}, \frac{R_{2}}{C_{2}R_{2}s+1}, R_{3}, \frac{1}{C_{4}s}, \frac{1}{C_{5}s}, R_{6}\right)$	127
3.80 BP-80 $Z(s) = ($	$\left(\frac{1}{C_{1s}},\ \frac{R_{2}}{C_{2}R_{2}s+1},\ R_{3},\ \frac{R_{4}}{C_{4}R_{4}s+1},\ \frac{1}{C_{5}s},\ R_{6}\right)$	127
3.81 BP-81 $Z(s) = ($	$\left(\frac{1}{C_{1}s}, \frac{R_{2}}{C_{2}R_{2}s+1}, \frac{1}{C_{3}s}, R_{4}, \frac{1}{C_{5}s}, \frac{R_{6}}{C_{6}R_{6}s+1}\right)$	۔27
3.82 BP-82 $Z(s) = ($	$\left(\frac{1}{C_1s}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$.28
3.83 BP-83 $Z(s) = ($	$\left(\frac{1}{C_1s}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$.28
3.84 BP-84 $Z(s) = ($	$\left(\frac{1}{C_{1}s}, \frac{R_{2}}{C_{2}R_{2}s+1}, \frac{1}{C_{3}s}, \frac{1}{C_{4}s}, R_{5} + \frac{1}{C_{5}s}, R_{6}\right)$	128
3.85 BP-85 $Z(s) = ($	$\left(\frac{1}{C_1s}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	128
3.86 BP-86 $Z(s) = ($	$\left(\frac{1}{C_1s}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$	129
3.87 BP-87 $Z(s) = ($	$\left(\frac{1}{C_1s}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6\right)$	129
3.88 BP-88 $Z(s) = ($	$\left(\frac{1}{C_{1s}}, \frac{R_{2}}{C_{2}R_{2}s+1}, R_{3} + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, R_{6}\right)$	١29
3.89 BP-89 $Z(s) = ($	$\left(\frac{1}{C_1s}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$	130
3.90 BP-90 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ R_4,\ \frac{1}{C_5s},\ R_6\right)$	ر30
3.91 BP-91 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ R_4,\ R_5+\frac{1}{C_5s},\ R_6\right)$.30
3.92 BP-92 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ \frac{1}{C_4s},\ \frac{1}{C_5s},\ R_6\right)$.31
3.93 BP-93 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$.31
3.94 BP-94 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4, R_5, R_6\right) \dots \dots$.31
3.95 BP-95 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$.31
	$\left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6\right)$	
3.97 BP-97 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$.32
3.98 BP-98 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$.32
3.99 BP-99 $Z(s) = ($	$\left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$.33
	$\left(\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3+\frac{1}{C_3s},\ R_4,\ R_5,\ R_6\right)$	
3.101BP- $101 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4, \frac{1}{C_5s}, R_6\right)$.33
	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$	
3.103BP- $103 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$.34
3.104BP- $104 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, R_5, R_6\right)$.34
3.105BP- $105 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$.34
3.106BP- $106 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6\right) \dots \dots$.35
3.107BP- $107 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right) \qquad $.35
3.108BP- $108 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right) \qquad \qquad$.35
3.109BP- $109 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)' \dots \dots$.36

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$3.110\text{BP-}110\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{1}{C_2s},\ \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right) \qquad . \qquad $
$3.111BP-111 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_6}{C_5s}, R_6\right) \dots \dots$
$3.113\text{BP-}113\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \frac{1}{C_4s},\ \frac{1}{C_5s},\ R_6\right) \qquad \qquad$
$3.114BP-114\ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_2}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right) \dots \dots$
$3.116\text{BP-}116\ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, R_6\right) \dots \dots$
$3.116\text{BP-}116\ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_5s}, \frac{1}{C_6s}\right) \dots \dots$
$3.118BP-118 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s} \right) \dots $
$3.119BP-119 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right) \dots \dots$
$3.120\text{BP-120}\ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right) \dots \dots$
BP-UNSTABLE-ZERO
${f BS}$
$\mathbf{G}\mathbf{E}$
$ ext{HP}$
7.1 HP-1 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
7.2 HP-2 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
7.3 HP-3 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right)$
7.4 HP-4 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
7.5 HP-5 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
7.6 HP-6 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
7.7 HP-7 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
7.8 HP-8 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
7.9 HP-9 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
7.10 HP-10 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$
7.11 HP-11 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
7.12 HP-12 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$
$7.13 \text{ HP-13 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right) \dots \dots$
$7.14 \text{ HP-14 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right) \dots \dots$
7.15 HP-15 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6\right)$
$7.16 \text{ HP-16 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right) \dots \dots$
$7.17 \text{ HP-17 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right) \dots \dots$
7.18 HP-18 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6\right)$
$7.19 \text{ HP-19 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right) \qquad .$
$7.20 \text{ HP-20 } Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right) \dots \dots$
7.21 HP-21 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
$7.22 \text{ HP-}22 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 \right) \dots $
$7.23 \text{ HP-23 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right) \dots \dots$
$7.24 \text{ HP-}24 \ Z(s) = \left(\frac{R_1}{C_1 R_2 + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_5$
$7.25 \text{ HP-25 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right) \dots \dots$

$7.26 \text{ HP-26 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right) \dots \dots$	147
$7.27 \text{ HP-27 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right) \dots \dots$	148
$7.28 \text{ HP-28 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 \right) \dots $	148
\mathbf{LP}	148
8.1 LP-1 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	148
8.2 LP-2 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	149
$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	149
()	149
8.5 LP-5 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
8.6 LP-6 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	
8.7 LP-7 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	150
8.8 LP-8 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	150
8.9 LP-9 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	151
8.10 LP-10 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	151
8.11 LP-11 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$	
$8.12 \text{ LP-12 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	151
8.13 LP-13 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	
8.14 LP-14 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
8.15 LP-15 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	152
$8.16 \text{ LP-16 } Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right) \dots \dots$	153
8.17 LP-17 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	153
8.18 LP-18 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	153
$8.19 \text{ LP-19 } Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	153
8.20 LP-20 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	154
8.20 LP-20 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	154
8.22 LP-22 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
$8.23 \text{ LP-23 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$	
$8.24 \text{ LP-24 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	155
$8.25 \text{ LP-25 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	155
$8.26 \text{ LP-26 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s} \right) \dots $	155
8.27 LP-27 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	156
8.28 LP-28 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	156
$8.29 \text{ LP-29 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right) \dots \dots$	156
8.30 LP-30 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	
8.31 LP-31 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	157
$8.32 \text{ LP-32 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s} \right) \dots $	157
8.33 LP-33 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	
8.34 LP-34 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	158
8.35 LP-35 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	158
8.36 LP-36 $Z(s) = \left(\frac{1}{C_{18}}, R_2, R_3, \frac{1}{C_{48}}, R_5, R_6\right)$	158
8.37 LP-37 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	159

8.38 LP-38 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$
8.39 LP-39 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$8.40 \text{ LP-40 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) $
8.41 LP-41 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$8.42 \text{ LP-42 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
$8.43 \text{ LP-43 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$
$8.44 \text{ LP-44 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$
$8.45 \text{ LP-45 } Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$
$8.46 \text{ LP-46 } Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{3s}}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
$8.47 \text{ LP-47 } Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{3s}}, R_4, \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right) \dots \dots$
8.48 LP-48 $Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{3s}}, R_4, R_5 + \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$
$8.49 \text{ LP-49 } Z(s) = \left(\frac{1}{C_{1}s}, R_2, R_3 + \frac{1}{C_{3}s}, \frac{1}{C_{4}s}, R_5, R_6\right) \dots \dots$
8.50 LP-50 $Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{4s}}, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$
8.51 LP-51 $Z(s) = \left(\frac{1}{C_{1}s}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$
8.52 LP-52 $Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
8.53 LP-53 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
8.54 LP-54 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
8.55 LP-55 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$8.56 \text{ LP-}56 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $
$8.57 \text{ LP-57 } Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
8.58 LP-58 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
8.59 LP-59 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
8.60 LP-60 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
8.61 LP-61 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
$8.62 \text{ LP-62 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{1}{C_{4s}}, \frac{1}{C_{4s}}, \frac{1}{R_5}, \frac{1}{C_6R_6s+1}\right) \dots \dots$
$8.63 \text{ LP-63 } Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
$8.64 \text{ LP-64 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, \frac{1}{C_{4R_4s+1}}, R_5 + \frac{1}{C_{5s}}, \frac{1}{C_{6s}} \right) \dots $
$8.65 \text{ LP-65 } Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right) \dots \dots$
$8.66 \text{ LP-}66 \ Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \ R_3 + \frac{1}{C_{3s}}, \ R_4, \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right) \dots \dots$
$8.67 \text{ LP-67 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5, R_6\right) $
$8.68 \text{ LP-}68 Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right) \dots \dots$
$8.69 \text{ LP-}69 Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, R_6\right) \dots \dots$
8.70 LP-70 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)'$
8.71 LP-71 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
8.72 LP-72 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & R_3, & R_4, & R_5, & R_6 \end{pmatrix} \dots $
$8.73 \text{ LP-73 } Z(s) = \begin{pmatrix} \frac{1}{C_{1s}}, & \frac{R_{2}}{C_{2}R_{2}s+1}, & R_{3}, & R_{4}, & \frac{1}{C_{5s}}, & \frac{1}{C_{6s}} \end{pmatrix} \dots \dots$
8.75 LP-75 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$8.76 \text{ LP-}76 Z(s) = \left(\frac{1}{C_{1}s}, \frac{R_{2}}{C_{2}R_{2}s+1}, R_{3}, \frac{R_{4}}{C_{4}R_{4}s+1}, R_{5}, R_{6}\right) $ $8.77 \text{ LP-}77 Z(s) = \left(\frac{1}{C_{1}s}, \frac{R_{2}}{C_{2}R_{2}s+1}, R_{3}, \frac{R_{4}}{C_{4}R_{4}s+1}, \frac{1}{C_{5}s}, \frac{1}{C_{6}s}\right) $ 170
8.77 LP-77 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

8.78 LP-78 $Z(s) = ($	$\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3}s}, \ R_{4}, \ R_{5}, \ \frac{R_{6}}{C_{6}R_{6}s+1} \Big)$.70
8.79 LP-79 $Z(s) = ($	$\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3}s}, \ R_{4}, \ R_{5} + \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s} \bigg) \qquad \dots \qquad $	71
8.80 LP-80 $Z(s) = ($	$\frac{1}{C_{1}s},\; \frac{R_{2}}{C_{2}R_{2}s+1},\; \frac{1}{C_{3}s},\; \frac{1}{C_{4}s},\; R_{5},\; \frac{R_{6}}{C_{6}R_{6}s+1} \Big)$	71
8.81 LP-81 $Z(s) = ($	$\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3}s}, \ \frac{1}{C_{4}s}, \ R_{5} + \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s} \right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	71
8.82 LP-82 $Z(s) = ($	$\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3}s}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ R_{5}, \ \frac{R_{6}}{C_{6}R_{6}s+1} \bigg) $	72
8.83 LP-83 $Z(s) = ($	$\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3}s}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ R_{5} + \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s} \bigg) \qquad \dots \qquad $	72
8.84 LP-84 $Z(s) = ($	$\frac{1}{C_{1}s},\; \frac{R_{2}}{C_{2}R_{2}s+1},\; R_{3}+\frac{1}{C_{3}s},\; R_{4},\; R_{5},\; R_{6}\Big)_{_}$	72
8.85 LP-85 $Z(s) = ($	$\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ R_{3} + \frac{1}{C_{3}s}, \ R_{4}, \ \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s} \bigg) \qquad \dots \qquad $	172
8.86 LP-86 $Z(s) = ($	$\frac{1}{C_{1s}},\; \frac{R_{2}}{C_{2}R_{2}s+1},\; R_{3}+\frac{1}{C_{3}s},\; \frac{1}{C_{4}s},\; R_{5},\; R_{6} \Big)_{}$	73
8.87 LP-87 $Z(s) = ($	$\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ R_{3} + \frac{1}{C_{3}s}, \ \frac{1}{C_{4}s}, \ \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s} \right) \ . \dots \dots$	173
8.88 LP-88 $Z(s) = ($	$\frac{1}{C_{1s}}, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ R_5, \ R_6 \bigg) $	73
	$\frac{1}{C_{1s}}, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{1}{C_5s}, \ \frac{1}{C_6s} \right) \dots \qquad \dots$.74
8.90 LP-90 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ R_4,\ R_5,\ \frac{R_6}{C_6R_6s+1}\Big)$	74
8.91 LP-91 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ R_4,\ \frac{1}{C_5s},\ \frac{1}{C_6s} \Big)$	74
8.92 LP-92 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ R_4,\ R_5+\frac{1}{C_5s},\ \frac{1}{C_6s} \Big)$	74
8.93 LP-93 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ \frac{1}{C_4s},\ R_5,\ R_6 \bigg)$	175
8.94 LP-94 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ \frac{1}{C_4s},\ \frac{1}{C_5s},\ \frac{1}{C_6s} \bigg)$	75
8.95 LP-95 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ R_6 \Big)$	75
8.96 LP-96 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}$	76
	$\frac{R_1}{C_1R_1s+1},\ R_2,\ \frac{1}{C_3s},\ R_4,\ R_5,\ \frac{1}{C_6s} \Big)$	76
	$\frac{R_1}{C_1R_1s+1},\ R_2,\ \frac{1}{C_3s},\ \frac{1}{C_4s},\ R_5,\ \frac{1}{C_6s}$	76
8.99 LP-99 $Z(s) = ($	$\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}$	77
8.100LP- $100 Z(s) =$	$(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4, R_5, \frac{1}{C_6s})$	77
8.101LP- $101 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4, R_5, R_6\right)$	77
8.102LP- $102 Z(s) =$	$\begin{cases} \frac{R_1}{C_1R_1s+1}, \ \frac{1}{C_2s}, \ R_3, \ R_4, \ \frac{1}{C_5s}, \ \frac{1}{C_6s} \end{cases} & \dots &$	77
8.103LP- $103 Z(s) =$	$(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{1}{C_4s}, R_5, R_6)$	78
8.104LP- $104 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	78
8.105LP- $105 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$	78
8.106LP- $106 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	79
$8.107 \text{LP-} 107 \ Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, R_5, \frac{1}{C_6s}\right)$	79
8.108LP- $108 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$	79
8.109LP- $109 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right) \dots \dots$	79
8.110LP- $110 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)'$	80
8.111LP-111 Z(s) =	$\left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	80
	$\left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, R_6\right)$	
8.113LP-113 $Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	81
8.114LP- $114 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5, R_6\right)'$	81
8.115LP- $115 Z(s) =$	$\begin{cases} \frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ R_3, \ \frac{1}{C_4s}, \ \frac{1}{C_5s}, \ \frac{1}{C_6s} \end{pmatrix} \dots $	81
8.116LP- $116 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$	81
8.117LP- $117 Z(s) =$	$\left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$.82

$8.118\text{LP-}118\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4,\ R_5,\ \frac{1}{C_6s}\right)\ \dots$	182
$8.118\text{LP-}118\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4,\ R_5,\ \frac{1}{C_6s}\right)$	182
$8.120\text{LP}-120\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{1}{C_6s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	183
9 X-INVALID-NUMER	183
9.1 X-INVALID-NUMER-1 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
9.2 X-INVALID-NUMER-2 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
9.3 X-INVALID-NUMER-3 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)^{\frac{1}{2}}$	183
9.4 X-INVALID-NUMER-4 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	184
9.5 X-INVALID-NUMER-5 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	184
9.6 X-INVALID-NUMER-6 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	184
9.7 X-INVALID-NUMER-7 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	185
9.8 X-INVALID-NUMER-8 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
9.9 X-INVALID-NUMER-9 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
9.10 X-INVALID-NUMER-10 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$	
9.11 X-INVALID-NUMER-11 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
9.12 X-INVALID-NUMER-12 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$	186
9.13 X-INVALID-NUMER-13 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
9.14 X-INVALID-NUMER-14 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
9.15 X-INVALID-NUMER-15 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	
9.16 X-INVALID-NUMER-16 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	187
9.17 X-INVALID-NUMER-17 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots$	188
9.18 X-INVALID-NUMER-18 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
9.19 X-INVALID-NUMER-19 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$	188
9.20 X-INVALID-NUMER-20 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_5 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	188
9.21 X-INVALID-NUMER-21 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	189
9.22 X-INVALID-NUMER-22 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
9.23 X-INVALID-NUMER-23 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
9.24 X-INVALID-NUMER-24 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
9.25 X-INVALID-NUMER-25 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
9.26 X-INVALID-NUMER-26 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)'$	
9.27 X-INVALID-NUMER-27 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
9.28 X-INVALID-NUMER-28 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_4 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6)$	
9.29 X-INVALID-NUMER-29 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s})$	191
9.30 X-INVALID-NUMER-30 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	192
9.31 X-INVALID-NUMER-31 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s})$	
9.32 X-INVALID-NUMER-32 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
9.33 X-INVALID-NUMER-33 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s})$	192
9.34 X-INVALID-NUMER-34 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$	193
9.35 X-INVALID-NUMER-35 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	
9.36 X-INVALID-NUMER-36 $Z(s) = (R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6)$	193
9.37 X-INVALID-NUMER-37 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	194

9.38 X-INVALID-NUMER-38 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.39 X-INVALID-NUMER-39 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
9.40 X-INVALID-NUMER-40 $Z(s) = (R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6)$
9.41 X-INVALID-NUMER-41 $Z(s) = (R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s})$
9.42 X-INVALID-NUMER-42 $Z(s) = (R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1})$
9.43 X-INVALID-NUMER-43 $Z(s) = (R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1})$
9.44 X-INVALID-NUMER-44 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.45 X-INVALID-NUMER-45 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.46 X-INVALID-NUMER-46 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.47 X-INVALID-NUMER-47 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.48 X-INVALID-NUMER-48 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.49 X-INVALID-NUMER-49 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$
9.50 X-INVALID-NUMER-50 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
9.51 X-INVALID-NUMER-51 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.52 X-INVALID-NUMER-52 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.53 X-INVALID-NUMER-53 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.54 X-INVALID-NUMER-54 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.55 X-INVALID-NUMER-55 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.56 X-INVALID-NUMER-56 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.57 X-INVALID-NUMER-57 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.58 X-INVALID-NUMER-58 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.59 X-INVALID-NUMER-59 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.60 X-INVALID-NUMER-60 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.61 X-INVALID-NUMER-61 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.62 X-INVALID-NUMER-62 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.63 X-INVALID-NUMER-63 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.64 X-INVALID-NUMER-64 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.65 X-INVALID-NUMER-65 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.66 X-INVALID-NUMER-66 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.67 X-INVALID-NUMER-67 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.68 X-INVALID-NUMER-68 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.69 X-INVALID-NUMER-69 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.70 X-INVALID-NUMER-70 $Z(s) = (R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s})$
9.71 X-INVALID-NUMER-71 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.72 X-INVALID-NUMER-72 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.73 X-INVALID-NUMER-73 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.74 X-INVALID-NUMER-74 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.75 X-INVALID-NUMER-75 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.76 X-INVALID-NUMER-76 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.77 X-INVALID-NUMER-77 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

9.78 X-INVALID-NUMER-78 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_6 s}, \frac{1}{C_6 s}\right)$
9.79 X-INVALID-NUMER-79 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.80 X-INVALID-NUMER-80 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.81 X-INVALID-NUMER-81 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.82 X-INVALID-NUMER-82 $Z(s) = (R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s})$
9.83 X-INVALID-NUMER-83 $Z(s) = (R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6)$
9.84 X-INVALID-NUMER-84 $Z(s) = (R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_9})$
9.85 X-INVALID-NUMER-85 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.86 X-INVALID-NUMER-86 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.87 X-INVALID-NUMER-87 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.88 X-INVALID-NUMER-88 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.89 X-INVALID-NUMER-89 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$
9.90 X-INVALID-NUMER-90 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$
9.91 X-INVALID-NUMER-91 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.92 X-INVALID-NUMER-92 $Z(s) = \left(R_1, R_2 + \frac{1}{C_{2s}}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.93 X-INVALID-NUMER-93 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$
9.94 X-INVALID-NUMER-94 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.95 X-INVALID-NUMER-95 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.96 X-INVALID-NUMER-96 $Z(s) = \left(R_1, R_2 + \frac{1}{C_{2s}}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.97 X-INVALID-NUMER-97 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$
9.98 X-INVALID-NUMER-98 $Z(s) = \left(R_1, R_2 + \frac{1}{C_{2s}}, R_3, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, R_6\right)$
9.99 X-INVALID-NUMER-99 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.100X-INVALID-NUMER-100 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.101X-INVALID-NUMER-101 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
9.102X-INVALID-NUMER-102 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.103X-INVALID-NUMER-103 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$
9.104X-INVALID-NUMER-104 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$
9.105X-INVALID-NUMER-105 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.106X-INVALID-NUMER-106 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.107X-INVALID-NUMER-107 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_6 s}\right)$
9.108X-INVALID-NUMER-108 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.109X-INVALID-NUMER-109 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.110X-INVALID-NUMER-110 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.111X-INVALID-NUMER-111 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.112X-INVALID-NUMER-112 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$
9.113X-INVALID-NUMER-113 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s})$
9.114X-INVALID-NUMER-114 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$
9.115X-INVALID-NUMER-115 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s})$
9.116X-INVALID-NUMER-116 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.117X-INVALID-NUMER-117 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.118X-INVALID-NUMER-118 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.119X-INVALID-NUMER-119 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
9.120X-INVALID-NUMER-120 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.121X-INVALID-NUMER-121 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
9.122X-INVALID-NUMER-122 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, R_6\right)$
9.123X-INVALID-NUMER-123 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$
9.124X-INVALID-NUMER-124 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
9.125X-INVALID-NUMER-125 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
$9.126 \text{X-INVALID-NUMER-} 126 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
9.127X-INVALID-NUMER-127 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$
9.128X-INVALID-NUMER-128 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.129X-INVALID-NUMER-129 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$
9.130X-INVALID-NUMER-130 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
9.131X-INVALID-NUMER-131 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$
9.132X-INVALID-NUMER-132 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.133X-INVALID-NUMER-133 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_5R_5s+1}, R_6\right)$
$9.134 \text{X-INVALID-NUMER-} 134 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) $
$9.135 \text{X-INVALID-NUMER-135} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
9.136X-INVALID-NUMER-136 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.137X-INVALID-NUMER-137 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
9.138X-INVALID-NUMER-138 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
9.139X-INVALID-NUMER-139 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$
9.140X-INVALID-NUMER-140 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.141X-INVALID-NUMER-141 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$
9.142X-INVALID-NUMER-142 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
9.143X-INVALID-NUMER-143 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$
9.144X-INVALID-NUMER-144 $Z(s) = (R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s})$
9.145X-INVALID-NUMER-145 $Z(s) = (R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_5}{C_5R_5s+1}, R_6)$
9.146X-INVALID-NUMER-146 $Z(s) = (R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s})$
9.147X-INVALID-NUMER-147 $Z(s) = (R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s})$
9.148X-INVALID-NUMER-148 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.149X-INVALID-NUMER-149 $Z(s) = (R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6)$
9.150X-INVALID-NUMER-150 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
9.151X-INVALID-NUMER-151 $Z(s) = (R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6)$
9.152X-INVALID-NUMER-152 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6\right)$
9.153X-INVALID-NUMER-153 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
9.154X-INVALID-NUMER-154 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, R_6\right)$
9.155X-INVALID-NUMER-155 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$
9.156X-INVALID-NUMER-156 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_2R_2s+1}, \frac{1}{C_{rs}}, \frac{1}{C_{rs}}, \frac{1}{C_{rs}}, \frac{1}{C_{rs}}\right)$
$9.157X-INVALID-NUMER-157 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ \frac{R_4}{C_4R_4s+1}, \ R_5, \ R_6\right) \ \dots $

9.158X-INVALID-NUMER-158 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$
9.159X-INVALID-NUMER-159 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
9.160X-INVALID-NUMER-160 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.161X-INVALID-NUMER-161 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.162X-INVALID-NUMER-162 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.163X-INVALID-NUMER-163 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.164X-INVALID-NUMER-164 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)^{'}$
9.165X-INVALID-NUMER-165 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
9.166X-INVALID-NUMER-166 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.167X-INVALID-NUMER-167 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)^{-1}$
9.168X-INVALID-NUMER-168 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.169X-INVALID-NUMER-169 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_5 R_5 s+1}, \frac{R_5}{C_6 R_6 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)^{\frac{1}{2}}$
9.170X-INVALID-NUMER-170 $Z(s) = \left(\frac{1}{C_{1s}}, R_2, \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, R_6 + \frac{1}{C_{6s}}\right)$
9.171X-INVALID-NUMER-171 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)^{-1}$
9.172X-INVALID-NUMER-172 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
9.173X-INVALID-NUMER-173 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.174X-INVALID-NUMER-174 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$9.175 \text{X-INVALID-NUMER-175} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $
$9.176 \text{X-INVALID-NUMER-176} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $
9.177X-INVALID-NUMER-177 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.178X-INVALID-NUMER-178 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.179X-INVALID-NUMER-179 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.180X-INVALID-NUMER-180 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.181X-INVALID-NUMER-181 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.182X-INVALID-NUMER-182 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
9.183X-INVALID-NUMER-183 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.184X-INVALID-NUMER-184 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.185X-INVALID-NUMER-185 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6\right)$
9.186X-INVALID-NUMER-186 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6\right)$
9.187X-INVALID-NUMER-187 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.188X-INVALID-NUMER-188 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.189X-INVALID-NUMER-189 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.190X-INVALID-NUMER-190 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.191X-INVALID-NUMER-191 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$
9.192X-INVALID-NUMER-192 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$
9.193X-INVALID-NUMER-193 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.194X-INVALID-NUMER-194 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.195X-INVALID-NUMER-195 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.196X-INVALID-NUMER-196 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$
9.197X-INVALID-NUMER-197 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

9.198X-INVALID-NUMER-198 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_5$
9.199X-INVALID-NUMER-199 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 R_6 s + 1}\right)$
9.200X-INVALID-NUMER-200 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.201X-INVALID-NUMER-201 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.202X-INVALID-NUMER-202 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)^{\prime}$
9.203X-INVALID-NUMER-203 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.204X-INVALID-NUMER-204 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)^{-1}$
9.205X-INVALID-NUMER-205 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.206X-INVALID-NUMER-206 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.207X-INVALID-NUMER-207 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.208X-INVALID-NUMER-208 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.209X-INVALID-NUMER-209 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
9.210X-INVALID-NUMER-210 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.211X-INVALID-NUMER-211 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
9.212X-INVALID-NUMER-212 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.213X-INVALID-NUMER-213 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
9.214X-INVALID-NUMER-214 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.215X-INVALID-NUMER-215 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$
9.216X-INVALID-NUMER-216 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.217X-INVALID-NUMER-217 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.218X-INVALID-NUMER-218 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
9.219X-INVALID-NUMER-219 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$
9.220X-INVALID-NUMER-220 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
9.221X-INVALID-NUMER-221 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.222X-INVALID-NUMER-222 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.223X-INVALID-NUMER-223 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_5 s}, \frac{1}{C_6 R_6 s + 1}\right)$
9.224X-INVALID-NUMER-224 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.225X-INVALID-NUMER-225 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.226X-INVALID-NUMER-226 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
9.227X-INVALID-NUMER-227 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.228X-INVALID-NUMER-228 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$
9.229X-INVALID-NUMER-229 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.230X-INVALID-NUMER-230 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)^{\prime}$
9.231X-INVALID-NUMER-231 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
9.232X-INVALID-NUMER-232 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.233X-INVALID-NUMER-233 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)'$
9.234X-INVALID-NUMER-234 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.235X-INVALID-NUMER-235 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
9.236X-INVALID-NUMER-236 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.237X-INVALID-NUMER-237 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)'$

9.238X-INVALID-NUMER-238 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$9.239 \text{X-INVALID-NUMER-} 239 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $
9.240X-INVALID-NUMER-240 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
9.241X-INVALID-NUMER-241 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.242X-INVALID-NUMER-242 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$9.243 \text{X-INVALID-NUMER-} 243 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $
$9.244 \text{X-INVALID-NUMER-} 244 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)^{\frac{1}{2}} . \dots \dots$
$9.245 \text{X-INVALID-NUMER-} 245 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $
$9.246 \text{X-INVALID-NUMER-} 246 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ \dots $
$9.247 \text{X-INVALID-NUMER-} 247 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $
$9.248 \text{X-INVALID-NUMER-} 248 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $
$9.249 \text{X-INVALID-NUMER-} 249 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $
$9.250 \text{X-INVALID-NUMER-} 250 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $
9.251X-INVALID-NUMER-251 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6\right)$
$9.252 \text{X-INVALID-NUMER-} 252 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6\right) $
9.253X-INVALID-NUMER-253 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$9.254\text{X-INVALID-NUMER-}254\ Z(s) = \left(\frac{1}{C_1 s},\ \frac{R_2}{C_2 R_2 s+1},\ \frac{R_3}{C_3 R_3 s+1},\ \frac{1}{C_4 s},\ R_5,\ R_6\right)$
$9.255 \text{X-INVALID-NUMER-} 255 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right) $
$9.256\text{X-INVALID-NUMER-}256\ Z(s) = \left(\frac{1}{C_{1}s},\ \frac{R_{2}}{C_{2}R_{2}s+1},\ \frac{R_{3}}{C_{3}R_{3}s+1},\ \frac{1}{C_{4}s},\ \frac{1}{C_{5}s},\ \frac{1}{C_{6}s}\right)$
$9.257X-INVALID-NUMER-257 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ R_6\right) $
$9.258\text{X-INVALID-NUMER-}258\ Z(s) = \left(\frac{1}{C_{1}s},\ \frac{R_{2}}{C_{2}R_{2}s+1},\ \frac{R_{3}}{C_{3}R_{3}s+1},\ \frac{R_{4}}{C_{4}R_{4}s+1},\ \frac{1}{C_{5}s},\ R_{6}\right)$
$9.259 \text{X-INVALID-NUMER-} 259 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) $
9.260X-INVALID-NUMER-260 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.261X-INVALID-NUMER-261 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$
9.262X-INVALID-NUMER-262 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.263X-INVALID-NUMER-263 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.264X-INVALID-NUMER-264 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.265X-INVALID-NUMER-265 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$
9.266X-INVALID-NUMER-266 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.267X-INVALID-NUMER-267 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.268X-INVALID-NUMER-268 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.269X-INVALID-NUMER-269 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
9.270X-INVALID-NUMER-270 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.271X-INVALID-NUMER-271 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.272X-INVALID-NUMER-272 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.273X-INVALID-NUMER-273 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.274X-INVALID-NUMER-274 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$9.275 \text{X-INVALID-NUMER-} 275 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $
9.276X-INVALID-NUMER-276 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2, \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right)$
9.277X-INVALID-NUMER-277 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

9.278X-INVALID-NUMER-278 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}, \frac{1}{C_6 s}, \frac{1}{C_6 s}, \frac{1}{C_6 s}\right)$
9.279X-INVALID-NUMER-279 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.280X-INVALID-NUMER-280 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.281X-INVALID-NUMER-281 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.282X-INVALID-NUMER-282 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.283X-INVALID-NUMER-283 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.284X-INVALID-NUMER-284 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
9.285X-INVALID-NUMER-285 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.286X-INVALID-NUMER-286 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.287X-INVALID-NUMER-287 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.288X-INVALID-NUMER-288 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.289X-INVALID-NUMER-289 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.290X-INVALID-NUMER-290 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.291X-INVALID-NUMER-291 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.292X-INVALID-NUMER-292 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
9.293X-INVALID-NUMER-293 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.294X-INVALID-NUMER-294 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.295X-INVALID-NUMER-295 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.296X-INVALID-NUMER-296 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.297X-INVALID-NUMER-297 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \right)$
9.298X-INVALID-NUMER-298 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.299X-INVALID-NUMER-299 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 \right)$
9.300X-INVALID-NUMER-300 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 \right)$
9.301X-INVALID-NUMER-301 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 \right)$
9.302X-INVALID-NUMER-302 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s} \right)$
9.303X-INVALID-NUMER-303 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, $
9.304X-INVALID-NUMER-304 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
9.305X-INVALID-NUMER-305 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
9.306X-INVALID-NUMER-306 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.307X-INVALID-NUMER-307 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
9.308X-INVALID-NUMER-308 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.309X-INVALID-NUMER-309 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$
9.310X-INVALID-NUMER-310 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 \right)$
9.311X-INVALID-NUMER-311 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.312X-INVALID-NUMER-312 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 \right)$
9.313X-INVALID-NUMER-313 $Z(s) = \left\langle R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right\rangle$
9.314X-INVALID-NUMER-314 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \right)$
9.315X-INVALID-NUMER-315 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 \right)$
9.316X-INVALID-NUMER-316 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 \right)$
9.317X-INVALID-NUMER-317 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_4}{C_6 s}\right)$

9.318X-INVALID-NUMER-318 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6\right)$
9.319X-INVALID-NUMER-319 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$
9.320X-INVALID-NUMER-320 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.321X-INVALID-NUMER-321 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$
9.322X-INVALID-NUMER-322 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.323X-INVALID-NUMER-323 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.324X-INVALID-NUMER-324 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
$9.325 \text{X-INVALID-NUMER-325} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6\right) \ \dots $
$9.326 \text{X-INVALID-NUMER-326} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) $
9.327X-INVALID-NUMER-327 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$
9.328X-INVALID-NUMER-328 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
9.329X-INVALID-NUMER-329 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.330X-INVALID-NUMER-330 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.331X-INVALID-NUMER-331 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.332X-INVALID-NUMER-332 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.333X-INVALID-NUMER-333 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
$9.334\text{X-INVALID-NUMER-334}\ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6\right) $
9.335X-INVALID-NUMER-335 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.336X-INVALID-NUMER-336 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$
9.337X-INVALID-NUMER-337 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
9.338X-INVALID-NUMER-338 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.339X-INVALID-NUMER-339 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.340X-INVALID-NUMER-340 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.341X-INVALID-NUMER-341 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.342X-INVALID-NUMER-342 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.343X-INVALID-NUMER-343 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
$9.344X-INVALID-NUMER-344 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $
9.345X-INVALID-NUMER-345 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.346X-INVALID-NUMER-346 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.347X-INVALID-NUMER-347 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.348X-INVALID-NUMER-348 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.349X-INVALID-NUMER-349 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.350X-INVALID-NUMER-350 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
9.351X-INVALID-NUMER-351 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.352X-INVALID-NUMER-352 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.353X-INVALID-NUMER-353 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.354X-INVALID-NUMER-354 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.355X-INVALID-NUMER-355 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)'$
9.356X-INVALID-NUMER-356 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.357X-INVALID-NUMER-357 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_4 s}, \frac{1}{R_5}, \frac{1}{R_6 s}, \frac{1}{C_6 s}\right)$

9.358X-INVALID-NUMER-358 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.359X-INVALID-NUMER-359 $Z(s) = \left(\frac{R_1}{C_1 R_1 + 1}, R_2, \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.360X-INVALID-NUMER-360 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.361X-INVALID-NUMER-361 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.362X-INVALID-NUMER-362 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.363X-INVALID-NUMER-363 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
9.364X-INVALID-NUMER-364 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
9.365X-INVALID-NUMER-365 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.366X-INVALID-NUMER-366 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6\right)$
9.367X-INVALID-NUMER-367 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6\right)$
9.368X-INVALID-NUMER-368 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.369X-INVALID-NUMER-369 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, R_6\right)$
9.370X-INVALID-NUMER-370 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.371X-INVALID-NUMER-371 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.372X-INVALID-NUMER-372 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
9.373X-INVALID-NUMER-373 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
$9.374\text{X-INVALID-NUMER-374}\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ R_2,\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)\ \dots \dots$
9.375X-INVALID-NUMER-375 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.376X-INVALID-NUMER-376 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
9.377X-INVALID-NUMER-377 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.378X-INVALID-NUMER-378 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
9.379X-INVALID-NUMER-379 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.380X-INVALID-NUMER-380 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
9.381X-INVALID-NUMER-381 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.382X-INVALID-NUMER-382 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.383X-INVALID-NUMER-383 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
9.384X-INVALID-NUMER-384 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.385X-INVALID-NUMER-385 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.386X-INVALID-NUMER-386 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.387X-INVALID-NUMER-387 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
9.388X-INVALID-NUMER-388 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
9.389X-INVALID-NUMER-389 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
9.390X-INVALID-NUMER-390 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
9.391X-INVALID-NUMER-391 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
9.392X-INVALID-NUMER-392 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
9.393X-INVALID-NUMER-393 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
9.394X-INVALID-NUMER-394 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
9.395X-INVALID-NUMER-395 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
9.396X-INVALID-NUMER-396 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_2R_2s+1}, R_4, R_5, R_6\right)$
9.397X-INVALID-NUMER-397 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$

9.398X-INVALID-NUMER-398 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	301
9.399X-INVALID-NUMER-399 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, R_6\right)$	302
$9.400 \text{X-INVALID-NUMER-} 400 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right) $	302
9.401X-INVALID-NUMER-401 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	302
$9.402 \text{X-INVALID-NUMER-} 402 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ R_6\right) $	302
$9.403X-INVALID-NUMER-403\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{1}{C_2s},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ R_6\right)$	303
$9.404\text{X-INVALID-NUMER-}404\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{1}{C_2s},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$	303
9.405X-INVALID-NUMER-405 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$	303
9.406X-INVALID-NUMER-406 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	304
$9.407X-INVALID-NUMER-407\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ R_2 + \frac{1}{C_2s},\ \frac{1}{C_4s},\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right) $	304
9.408X-INVALID-NUMER-408 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	304
9.409X-INVALID-NUMER-409 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	305
9.410X-INVALID-NUMER-410 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	305
9.411X-INVALID-NUMER-411 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	305
$9.412 \text{X-INVALID-NUMER-412} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	306
$9.413X-INVALID-NUMER-413\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ R_6\right) \ \dots \ $	306
9.414X-INVALID-NUMER-414 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	306
$9.415 \text{X-INVALID-NUMER-} 415 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	306
$9.416\text{X-INVALID-NUMER-416}\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4,\ \frac{R_5}{C_5R_5s+1},\ R_6\right)$	307
$9.417 \text{X-INVALID-NUMER-417} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) $	307
9.418X-INVALID-NUMER-418 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	307
9.419X-INVALID-NUMER-419 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	308
$9.420 \text{X-INVALID-NUMER-} 420 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $	308
$9.421 \text{X-INVALID-NUMER-421} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	308
$9.422 \text{X-INVALID-NUMER-422} \ Z(s) = \left\langle \frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s} \right\rangle \ \dots $	309
$9.423 \text{X-INVALID-NUMER-423} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$9.424 \text{X-INVALID-NUMER-424} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $	
$9.425 \text{X-INVALID-NUMER-} 425 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \ \dots $	309
$9.426 \text{X-INVALID-NUMER-} 426 \ Z(s) = \left\langle \frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5, \ R_6 \right\rangle $	310
$9.427 \text{X-INVALID-NUMER-427} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6\right) $	310
9.428X-INVALID-NUMER-428 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	310
$9.429 \text{X-INVALID-NUMER-429} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 \right) \left(\begin{array}{c} \\ \\ \end{array} \right)$	
9.430X-INVALID-NUMER-430 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
9.431X-INVALID-NUMER-431 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	311
$9.432 \text{X-INVALID-NUMER-432} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_4 R_4 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 \right) \ \dots $	312
$9.433 \text{X-INVALID-NUMER-433} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_4 R_4 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 \right) $	312
$9.434X-INVALID-NUMER-434 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{1}{C_5s}, \ \frac{1}{C_6s}\right) \dots \dots$	312
0 X-INVALID-ORDER	312
10.1 X-INVALID-ORDER-1 $Z(s) = (R_1, R_2, R_3, R_4, R_5, R_6)$	313
10.2 X-INVALID-ORDER-2 $Z(s) = \begin{pmatrix} R_1, R_2, R_3, R_4, R_5, \frac{1}{C_6 s} \end{pmatrix}$	316
10.5 A-INVALID-OIDER-5 $Z(s) = \begin{pmatrix} n_1, n_2, n_3, n_4, n_5, n_6 + \frac{1}{C_6 s} \end{pmatrix}$	316

10.4 X-INVALID-ORDER-4 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	313
10.5 X-INVALID-ORDER-5 $Z(s) = (R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6)$	313
10.6 X-INVALID-ORDER-6 $Z(s) = (R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s})$	313
10.7 X-INVALID-ORDER-7 $Z(s) = (R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s})$	313
10.8 X-INVALID-ORDER-8 $Z(s) = (R_1, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6)$	313
10.9 X-INVALID-ORDER-9 $Z(s) = (R_1, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s})$	313
10.10X-INVALID-ORDER-10 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	313
10.11X-INVALID-ORDER-11 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	314
10.12X-INVALID-ORDER-12 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	314
10.13X-INVALID-ORDER-13 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	314
10.14X-INVALID-ORDER-14 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$	314
10.15X-INVALID-ORDER-15 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	314
10.16X-INVALID-ORDER-16 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	314
10.17X-INVALID-ORDER-17 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	314
10.18X-INVALID-ORDER-18 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	314
10.19X-INVALID-ORDER-19 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	314
10.20X-INVALID-ORDER-20 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	314
10.21X-INVALID-ORDER-21 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	315
$10.22 \text{X-INVALID-ORDER-} 22 \ Z(s) = \left(R_1, \ R_2, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	315
10.23X-INVALID-ORDER-23 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	315
10.24X-INVALID-ORDER-24 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	315
10.25X-INVALID-ORDER-25 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	315
10.26X-INVALID-ORDER-26 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	315
$10.27 \text{X-INVALID-ORDER-} 27 \ Z(s) = \left(R_1, \ R_2, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	315
10.28X-INVALID-ORDER-28 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	315
10.29X-INVALID-ORDER-29 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	315
$10.30 \text{X-INVALID-ORDER-30 } Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right) \dots \dots$	315
10.31X-INVALID-ORDER-31 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	316
10.32X-INVALID-ORDER-32 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	316
10.33X-INVALID-ORDER-33 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	
10.34X-INVALID-ORDER-34 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	316
10.35X-INVALID-ORDER-35 $Z(s) = \begin{pmatrix} R_1, & R_2, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & R_6 \end{pmatrix}$	
10.36X-INVALID-ORDER-36 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	316
$10.37X-INVALID-ORDER-37 \ Z(s) = \left(R_1, \ R_2, \ R_3, \ \frac{R_4}{C_4R_4s+1}, \ \frac{1}{C_5s}, \ R_6 + \frac{1}{C_6s}\right) \dots \dots$	316
10.38X-INVALID-ORDER-38 $Z(s) = (R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1})$	316
10.39X-INVALID-ORDER-39 $Z(s) = (R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6)$	316
10.40X-INVALID-ORDER-40 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	316
10.41X-INVALID-ORDER-41 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	317
10.42X-INVALID-ORDER-42 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$	317
10.43 X-IN VALID-UKDEK-43 $Z(s) = \left(K_1, K_2, \frac{1}{C_3 s}, K_4, K_5, \frac{1}{C_6 s}\right)$	317

10.44X-INVALID-ORDER-44 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	317
10.45X-INVALID-ORDER-45 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	317
10.46X-INVALID-ORDER-46 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	317
10.47X-INVALID-ORDER-47 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	317
$10.48 \text{X-INVALID-ORDER-48} \ Z(s) = \left(R_1, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	317
10.49X-INVALID-ORDER-49 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	317
10.50X-INVALID-ORDER-50 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	317
10.51X-INVALID-ORDER-51 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	318
10.52X-INVALID-ORDER-52 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$	318
10.53X-INVALID-ORDER-53 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	318
10.54X-INVALID-ORDER-54 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	318
10.55X-INVALID-ORDER-55 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	318
10.56X-INVALID-ORDER-56 $Z(s) = \left(R_1, R_2, \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$	318
10.57X-INVALID-ORDER-57 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	318
$10.58 \text{X-INVALID-ORDER-} 58 \ Z(s) = \left(R_1, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	318
10.59X-INVALID-ORDER-59 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	318
10.60X-INVALID-ORDER-60 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	318
10.61X-INVALID-ORDER-61 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	319
$10.62 \text{X-INVALID-ORDER-} 62 \ Z(s) = \left(R_1, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	319
10.63X-INVALID-ORDER-63 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	319
10.64X-INVALID-ORDER-64 $Z(s) = \left(R_1, R_2, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, R_6 + \frac{1}{C_{6s}}\right)$	319
$10.65 \text{X-INVALID-ORDER-} 65 \ Z(s) = \left(R_1, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_6 R_6 s + 1}\right) \dots $	319
(25, 25, 25, 25, 25, 25, 25, 25, 25, 25,	319
10.67X-INVALID-ORDER-67 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	319
10.68X-INVALID-ORDER-68 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	319
$10.69 \text{X-INVALID-ORDER-} 69 \ Z(s) = \left(R_1, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots $	
10.70X-INVALID-ORDER-70 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.71X-INVALID-ORDER-71 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	
10.72X-INVALID-ORDER-72 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.73X-INVALID-ORDER-73 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	
10.74X-INVALID-ORDER-74 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	
10.75X-INVALID-ORDER-75 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.76X-INVALID-ORDER-76 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	
10.77X-INVALID-ORDER-77 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	320
10.78X-INVALID-ORDER-78 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.79X-INVALID-ORDER-79 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	320
10.80X-INVALID-ORDER-80 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.81X-INVALID-ORDER-81 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
$10.82 \text{X-INVALID-ORDER-82} \ Z(s) = \left(R_1, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	321
10.83X-INVALID-ORDER-83 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$	321

10.84X-INVALID-ORDER-84 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$
10.85X-INVALID-ORDER-85 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
$10.86 \text{X-INVALID-ORDER-86} \ Z(s) = \left(R_1, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $
10.87X-INVALID-ORDER-87 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.88X-INVALID-ORDER-88 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1})'$
10.89X-INVALID-ORDER-89 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.90X-INVALID-ORDER-90 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1})$
10.91X-INVALID-ORDER-91 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6)$
$10.92 \text{X-INVALID-ORDER-92 } Z(s) = \left(R_1, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots \dots$
10.93X-INVALID-ORDER-93 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.94X-INVALID-ORDER-94\ Z(s) = \left(R_1,\ R_2,\ R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$
$10.95 \text{X-INVALID-ORDER-95} \ Z(s) = \left(R_1, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \qquad 32$
$10.96 \text{X-INVALID-ORDER-96} \ Z(s) = \left(R_1, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $
10.97X-INVALID-ORDER-97 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.98X-INVALID-ORDER-98 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.99X-INVALID-ORDER-99 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.10 X -INVALID-ORDER-100 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.10 \text{K-INVALID-ORDER-101 } Z(s) = \left(R_1, \ R_2, \ R_3 + \frac{1}{C_4 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $
10.10 X -INVALID-ORDER-102 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_4 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.10 X -INVALID-ORDER-103 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.10 X -INVALID-ORDER-104 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.10 X-INVALID-ORDER-105 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
10.10 X-INVALID-ORDER-106 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
$10.10\mathbf{X}\text{-INVALID-ORDER-}107\ Z(s) = \left(R_1,\ R_2,\ R_3 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $
10.10 X -INVALID-ORDER-108 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.10 X-INVALID-ORDER-109 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$.
10.11 X-INVALID-ORDER-110 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.11 X -INVALID-ORDER-111 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.11 X -INVALID-ORDER-112 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.11 X-INVALID-ORDER-113 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.11 X -INVALID-ORDER-114 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$
10.11 X-INVALID-ORDER-115 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.11 X-INVALID-ORDER-116 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$
10.11 X -INVALID-ORDER-117 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$
10.11 X-INVALID-ORDER-118 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.11 X-INVALID-ORDER-119 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$
$10.12 \text{N-INVALID-ORDER-} 120 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $
$10.12 \text{X-INVALID-ORDER-121 } Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) $
10.12 X -INVALID-ORDER-122 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.12 X -INVALID-ORDER-123 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$10.12 X-INVALID-ORDER-124 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 325
$10.12 \times \text{INVALID-ORDER-} 125 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 325
$10.12 \text{$\mathbb{K}$-INVALID-ORDER-126} \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6\right) \ \dots \ $. 325
$10.12 \text{\%-INVALID-ORDER-} 127 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 325
10.12\&\text{-INVALID-ORDER-128} $Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right)$. 325
10.12 X-INVALID-ORDER-129 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 325
10.13 X-INVALID-ORDER-130 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 325
$10.13 \text{K-INVALID-ORDER-} 131 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 326
$10.13 \mathbf{X}\text{-INVALID-ORDER-} 132 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $. 326
10.13 X-INVALID-ORDER-133 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$. 326
$10.13 \text{ \%-INVALID-ORDER-} 134 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots $. 326
$10.13 \times \text{INVALID-ORDER-135} \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 326
10.13 X-INVALID-ORDER-136 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 326
10.13 X -INVALID-ORDER-137 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 326
10.13\Lines-Invalid-Order-138 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$. 326
10.13 X -INVALID-ORDER-139 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 326
$10.14 \text{ (X-INVALID-ORDER-140 } Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad \dots $. 326
$10.14 \text{K-INVALID-ORDER-} 141 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $. 327
$10.14\mathbf{X}\text{-INVALID-ORDER-}142\ Z(s) = \left(R_1,\ R_2,\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ R_6\right) \dots $. 327
10.14 X -INVALID-ORDER-143 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 327
$10.14 X-INVALID-ORDER-144 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $. 327
$10.14 X-INVALID-ORDER-145 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_6 R_6 s+1}\right) \ \dots $. 327
$10.14\%-INVALID-ORDER-146\ Z(s) = \left(R_1,\ R_2,\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ R_6\right)\ .$. 327
$10.14\text{\%}-\text{INVALID-ORDER-}147\ Z(s) = \left(R_1,\ R_2,\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 327
10.14 X-INVALID-ORDER-148 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$. 327
$10.14\%-\text{INVALID-ORDER-}149\ Z(s) = \left(R_1,\ R_2,\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right) \qquad . $. 327
$10.15 \text{(X-INVALID-ORDER-150 } Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ R_6\right) \dots $. 327
$10.15 \text{K-INVALID-ORDER-151 } Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ \frac{1}{C_6 s}\right) \dots \dots$. 328
$10.15\mathbf{X}\text{-INVALID-ORDER-152}\ Z(s) = \left(R_1,\ R_2,\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ R_5,\ R_6 + \frac{1}{C_6s}\right)\ .$. 328
10.15 X -INVALID-ORDER-153 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right) \dots \dots$	
$10.15 \text{\em X-INVALID-ORDER-154} \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	
$10.15 \times \text{INVALID-ORDER-155} \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 328
$10.15 \& -INVALID-ORDER-156 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . \ldots \ldots$	
$10.15 \mathbf{X}\text{-INVALID-ORDER-}157 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \dots $. 328
10.15\Limins-INVALID-ORDER-158 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$. 328
10.15%-INVALID-ORDER-159 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$. 328
10.16 X-INVALID-ORDER-160 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$. 328
10.16 X -INVALID-ORDER-161 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$. 329
10.16 X -INVALID-ORDER-162 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 329
10.16 X -INVALID-ORDER-163 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$. 329

10.16 X -INVALID-ORDER-164 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	329
10.16 X-INVALID-ORDER-165 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	329
10.16 X-INVALID-ORDER-166 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	329
10.16 X -INVALID-ORDER-167 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 \right)$	329
$() (C_2 s) (C_5 R_5 s + 1) (C_6 s) $	329
10.16 % -INVALID-ORDER-169 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	329
10.17 X-INVALID-ORDER-170 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$	329
10.17 K -INVALID-ORDER-171 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	330
10.17 X -INVALID-ORDER-172 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	330
10.17 X-INVALID-ORDER-173 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	330
10.17 X -INVALID-ORDER-174 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	330
C_{1} C_{2} C_{3} C_{4} C_{5} C_{5} C_{6}	330
10.17%-INVALID-ORDER-176 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	330
10.17X-INVALID-ORDER-177 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	330
10.17 X-INVALID-ORDER-178 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	330
10.17%-INVALID-ORDER-179 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	330
$(1) C_{28} = 0 = 1 + C_{48} = 0 = 0 = 0$	330
10.18K-INVALID-ORDER-181 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	33
10.18 X -INVALID-ORDER-182 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	33
10.18 X-INVALID-ORDER-183 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	33
10.18 X -INVALID-ORDER-184 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	33
10.18 X-INVALID-ORDER-185 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	33
10.18 X-INVALID-ORDER-186 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	33
10.18X-INVALID-ORDER-187 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	331
10.18 X -INVALID-ORDER-188 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	331
10.18 X -INVALID-ORDER-189 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s} \right)$	
10.19 X -INVALID-ORDER-190 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	331
10.19 K -INVALID-ORDER-191 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	
10.19 X -INVALID-ORDER-192 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	332
10.19 X -INVALID-ORDER-193 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	332
10.19 X -INVALID-ORDER-194 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	
10.19 X-INVALID-ORDER-195 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	
10.19 X-INVALID-ORDER-196 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.19X-INVALID-ORDER-197 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	332
$10.19 X-INVALID-ORDER-198 Z(s) = \left(R_1, \frac{1}{C_{2s}}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right) \dots \dots$	332
$10.19\%-INVALID-ORDER-199 \ Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right) \dots \dots$	332
10.20 X -INVALID-ORDER-200 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	
10.20X-INVALID-ORDER-201 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.20 X -INVALID-ORDER-202 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	333
10.20 X -INVALID-ORDER-203 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	333

10.20 X-INVALID-ORDER-204 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.20 X-INVALID-ORDER-205 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.20 X-INVALID-ORDER-206 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.20 X -INVALID-ORDER-207 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$
10.20 X-INVALID-ORDER-208 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.20 X-INVALID-ORDER-209 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, $
10.21 X-INVALID-ORDER-210 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.21X-INVALID-ORDER-211 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.21 X -INVALID-ORDER-212 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.21 X -INVALID-ORDER-213 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$
10.21 X-INVALID-ORDER-214 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
10.21 X-INVALID-ORDER-215 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.21 X-INVALID-ORDER-216 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
$10.21\text{X-INVALID-ORDER-}217\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right)\ \dots \qquad 3.$
10.21 X-INVALID-ORDER-218 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.21 X-INVALID-ORDER-219 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.22 X-INVALID-ORDER-220 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.22 \text{X-INVALID-ORDER-} 221 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) $
$10.22\mathbf{X}\text{-INVALID-ORDER-}222\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right) \dots \qquad 3$
10.22 X -INVALID-ORDER-223 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 \right)$.
$10.22 \text{$\mathbb{X}$-INVALID-ORDER-224} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
$10.22 \text{X-INVALID-ORDER-} 225 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
$10.22 \text{X-INVALID-ORDER-} 226 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1} \right) \dots $
$10.22\mathbf{X}\text{-INVALID-ORDER-}227\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right) \qquad \dots \qquad 38$
$10.22 \$-INVALID-ORDER-228 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots \qquad 3.$
10.22 X-INVALID-ORDER-229 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 \right)$
10.23 X-INVALID-ORDER-230 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.23 \text{K-INVALID-ORDER-} 231 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
10.23 X -INVALID-ORDER-232 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.23 X-INVALID-ORDER-233 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1} \right) \qquad . \qquad $
10.23 X -INVALID-ORDER-234 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.23 X-INVALID-ORDER-235 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.23 X-INVALID-ORDER-236 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 \right)$
10.23 X -INVALID-ORDER-237 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s} \right)$
10.23 X-INVALID-ORDER-238 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.23 X-INVALID-ORDER-239 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right)'$
$10.24 \text{ X-INVALID-ORDER-} 240 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $
$10.24 \text{X-INVALID-ORDER-} 241 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
$10.24\mathbf{X}\text{-INVALID-ORDER-}242\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ \frac{1}{C_5s},\ R_6\right) \qquad 3.$
10.24 X -INVALID-ORDER-243 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$10.24 \text{ χ-INVALID-ORDER-} 244 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $. 337
$10.24 \text{ X-INVALID-ORDER-} 245 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 337
$10.24\%-INVALID-ORDER-246\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right)'.$. 337
$10.24 \text{X-INVALID-ORDER-} 247 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_4 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 337
10.24\lefta-INVALID-ORDER-248 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 337
10.24 X-INVALID-ORDER-249 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 337
$10.25 \text{ ($X$-INVALID-ORDER-250 } Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $. 337
$10.25 \text{K-INVALID-ORDER-} 251 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 338
10.25 X -INVALID-ORDER-252 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 338
10.25 X-INVALID-ORDER-253 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 338
$10.25 \text{\&-INVALID-ORDER-} 254 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 338
$10.25 X-INVALID-ORDER-255 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 338
$10.25 \& -INVALID-ORDER-256 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \qquad \dots $. 338
$10.25 \mathbf{X}\text{-INVALID-ORDER-} 257 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 338
10.25\left[X-INVALID-ORDER-258] $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 338
$10.25 \%-INVALID-ORDER-259 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $. 338
$10.26 \text{X-INVALID-ORDER-} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 338
$10.26 \text{K-INVALID-ORDER-} 261 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 339
$\begin{pmatrix} 1 & C_2s & 0 & C_3s & C_4R_4s + 1 & 0 & C_5s & 0 \end{pmatrix}$. 339
10.26 X -INVALID-ORDER-263 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 339
$10.26 \text{\&-INVALID-ORDER-} 264 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 339
$10.26 \text{X-INVALID-ORDER-} 265 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $. 339
$10.26\%-\text{INVALID-ORDER-}266\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ R_3 + \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right) \dots $. 339
$10.26 \text{X-INVALID-ORDER-} 267 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5, \ \frac{1}{C_6 s}\right) \dots $. 339
10.26\Lines-Invalid-Order-268 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s} \right)$	
$10.26 \text{X-INVALID-ORDER-} 269 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \right) \dots \dots$	
$10.27 \text{ (X-INVALID-ORDER-270 } Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	
$10.27 \text{K-INVALID-ORDER-} 271 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $	
10.27 \mathbf{X} -INVALID-ORDER-272 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.27 X-INVALID-ORDER-273 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$10.27 \&-\text{INVALID-ORDER-} 274 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1} \right)' \dots $	
10.27 X-INVALID-ORDER-275 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$. 340
10.27 X-INVALID-ORDER-276 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	
$10.27\text{X-INVALID-ORDER-}277\ Z(s) = \left(R_1,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)\ \dots \dots$	
10.27 X-INVALID-ORDER-278 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 340
$10.27\%-INVALID-ORDER-279 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 340
$10.28 \text{X-INVALID-ORDER-} 280 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1} \right) $. 340
$10.28 \text{K-INVALID-ORDER-} 281 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1} \right) \dots $. 341
10.28 X -INVALID-ORDER-282 $Z(s) = \left(R_1, \frac{1}{C_{28}}, \frac{R_3}{C_3R_{38}+1}, \frac{1}{C_{48}}, R_5 + \frac{1}{C_{58}}, R_6\right)$. 341
10.28 X -INVALID-ORDER-283 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 341

$10.28 \text{$\rlap/X-INVALID-ORDER-} 284 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $. 341
$10.28 X-INVALID-ORDER-285 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $. 341
$10.28 \%-INVALID-ORDER-286 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 341
$10.28 \mathbf{X}\text{-INVALID-ORDER-} 287 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 341
$10.28 \text{X-INVALID-ORDER-} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $. 341
10.28 % -INVALID-ORDER-289 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 341
$10.29 \text{$\mathbb{K}$-INVALID-ORDER-290 } Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \ \dots \ $. 341
$10.29 \text{K-INVALID-ORDER-} 291 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) $. 342
$10.29 \text{$\chi$-INVALID-ORDER-292} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) $. 342
10.29 X -INVALID-ORDER-293 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 342
$10.29 \text{\&-INVALID-ORDER-} 294 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_6 s}, \ \frac{1}{C_6 s} \right) \dots $. 342
$10.29 X-INVALID-ORDER-295 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 342
$10.29 \&-\text{INVALID-ORDER-} 296 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_6 R_6 s+1}\right) \ \dots $. 342
$10.29\text{X-INVALID-ORDER-}297\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ R_6\right)$. 342
10.29\Lines-Invalid-Order-298 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 342
$10.29\%-\text{INVALID-ORDER-}299\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ R_6 + \frac{1}{C_6s}\right) \ \dots $. 342
$10.30 \text{$\mathbb{X}$-INVALID-ORDER-300 } Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \qquad \dots $. 342
$10.30 \text{K-INVALID-ORDER-301} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $. 343
$10.30\mathbf{X}\text{-INVALID-ORDER-302}\ Z(s) = \left(R_1,\ \frac{1}{C_2s},\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right)\ \dots$. 343
10.30 X -INVALID-ORDER-303 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$. 343
$10.30 \text{\&-INVALID-ORDER-304} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 343
$10.30 \times -\text{INVALID-ORDER-305} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s} \right) \dots $. 343
$10.30 \&-\text{INVALID-ORDER-306} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 343
(7) (28) (3638+1) (4648+1)	. 343
$10.30 \text{X-INVALID-ORDER-308} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $	
$10.30 \text{X-INVALID-ORDER-309} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $. 343
$10.31 \text{ (X-INVALID-ORDER-310 } Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $. 343
$10.31 \text{K-INVALID-ORDER-311} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) $. 344
$10.31 \text{$\chi$-INVALID-ORDER-312} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1} \right)' \ \dots $. 344
10.31 X-INVALID-ORDER-313 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	
$10.31 \&-\text{INVALID-ORDER-314} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$10.31 \%-INVALID-ORDER-315 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right)' \dots \dots$	
10.31 X -INVALID-ORDER-316 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$	
10.31 X -INVALID-ORDER-317 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$. 344
10.31 X-INVALID-ORDER-318 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.31 X-INVALID-ORDER-319 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 344
$10.32 \text{N-INVALID-ORDER-} 320 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	
$10.32 \text{K-INVALID-ORDER-321} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) . $	
$10.32 \text{$\mathbb{Z}$-INVALID-ORDER-322} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 345
$10.32 \text{X-INVALID-ORDER-323} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 345

10.32 X-INVALID-ORDER-324 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	345
10.32 X-INVALID-ORDER-325 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	345
$10.32\%-INVALID-ORDER-326\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \frac{1}{C_4 s},\ R_5,\ \frac{R_6}{C_6 R_6 s + 1}\right)$	345
$10.32\text{X-INVALID-ORDER-327}\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s + 1}\right)\ \dots \dots$	345
10.32 X-INVALID-ORDER-328 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	345
10.32 X -INVALID-ORDER-329 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	345
10.33 X-INVALID-ORDER-330 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	345
$(1) (2) C_{2}s 0 C_{4}s 0 C_{5}s C_{6}R_{6}s+1)$	346
10.33 \mathbf{X} -INVALID-ORDER-332 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	346
10.33 X -INVALID-ORDER-333 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	346
$10.33 \text{\&-INVALID-ORDER-334 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	346
(1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	346
10.33 X-INVALID-ORDER-336 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	346
$10.33\text{X-INVALID-ORDER-337}\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{R_6}{C_6 R_6 s + 1}\right) \ldots \ldots$	346
10.33\&\text{-INVALID-ORDER-338} $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 \right) \dots $	346
10.33%-INVALID-ORDER-339 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	346
$C_{2}S$	346
$10.34 \text{K-INVALID-ORDER-} 341 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	347
$10.34\mathbf{X}\text{-INVALID-ORDER-342}\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_6\right)$	347
$\begin{pmatrix} 1 & 2 & C_2 s & 0 & 1 & C_4 s & 0 & C_5 s & C_6 s \end{pmatrix}$	347
$10.34 \text{$\mathbb{X}$-INVALID-ORDER-344} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	347
$10.34 X-INVALID-ORDER-345 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	347
$10.34\%-INVALID-ORDER-346\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ R_6\right)$	347
$10.34\text{X-INVALID-ORDER-}347\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{1}{C_6 s}\right) \dots $	347
10.34\left[X-INVALID-ORDER-348] $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right)$	347
$10.34\%-INVALID-ORDER-349\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	347
$10.35 \text{N-INVALID-ORDER-350 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	
$10.35 \text{X-INVALID-ORDER-351} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$10.35 \text{ \%-INVALID-ORDER-352 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	
10.35 % -INVALID-ORDER-353 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.35 X -INVALID-ORDER-354 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.35 X-INVALID-ORDER-355 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.35 X -INVALID-ORDER-356 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$10.35\text{X-INVALID-ORDER-357}\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \frac{R_4}{C_4 R_4 s + 1},\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s + 1}\right)$	348
$10.35 \%-INVALID-ORDER-358 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) . \qquad .$	348
$10.35\%-INVALID-ORDER-359\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \frac{R_4}{C_4 R_4 s + 1},\ \frac{R_5}{C_5 R_5 s + 1},\ R_6 + \frac{1}{C_6 s}\right) \dots $	348
$10.36 \text{N-INVALID-ORDER-} 360 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	348
$10.36 \text{K-INVALID-ORDER-361} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	349
10.36 \mathbf{X} -INVALID-ORDER-362 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	349
10.36 % -INVALID-ORDER-363 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	349

10.36 X -INVALID-ORDER-364 $Z(s) = \left(R_1, R_2 + \frac{1}{C_{2S}}, \frac{1}{C_{3S}}, R_4, \frac{1}{C_{5S}}, \frac{R_6}{C_6R_6s+1}\right)$. 349
10.36 X-INVALID-ORDER-365 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6)$. 349
10.36 X-INVALID-ORDER-366 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s})$. 349
10.36 X -INVALID-ORDER-367 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s})$. 349
10.36\&-INVALID-ORDER-368 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1})'$. 349
10.36%-INVALID-ORDER-369 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6)$. 349
10.37 X-INVALID-ORDER-370 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s})$. 349
$10.37 \text{K-INVALID-ORDER-371} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 350
$10.37 \mathbf{X}\text{-INVALID-ORDER-372} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 350
10.37 X -INVALID-ORDER-373 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 350
10.37 X -INVALID-ORDER-374 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 350
10.37 X-INVALID-ORDER-375 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 350
$10.37\%-INVALID-ORDER-376\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 350
10.37%-INVALID-ORDER-377 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right) \dots$. 350
10.37\LID-ORDER-378 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 350
$10.37\%-\text{INVALID-ORDER-379}\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{R_6}{C_6 R_6 s + 1}\right)\ \dots \dots$. 350
10.38 X-INVALID-ORDER-380 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 350
$10.38 \text{K-INVALID-ORDER-381 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \dots \dots$. 351
C_{1} C_{2} C_{3} C_{3} C_{4} C_{4} C_{5} C_{6}	. 351
10.38 X-INVALID-ORDER-383 $Z(s) = \left(R_1, R_2 + \frac{1}{C_3 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 351
($)$ $($. 351
10.38 X-INVALID-ORDER-385 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 351
$10.38 \text{\center} - 386 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \qquad . \qquad $. 351
10.38 X -INVALID-ORDER-387 $Z(s) = \begin{pmatrix} R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \end{pmatrix}$. 351
10.38X-INVALID-ORDER-388 $Z(s) = \left(R_1, R_2 + \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$. 351
10.38 X -INVALID-ORDER-389 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 351
$10.39 \text{ (N-INVALID-ORDER-390 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	
$10.39 \text{K-INVALID-ORDER-391} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $	
10.39 X -INVALID-ORDER-392 $Z(s) = (R_1, R_2 + \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_{6s}})$. 352
10.39 X -INVALID-ORDER-393 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	
$10.39 \text{ X-INVALID-ORDER-394 } Z(s) = \left(R_1, R_2 + \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) $. 352
10.39 X-INVALID-ORDER-395 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.39 X-INVALID-ORDER-396 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6)$. 352
$10.39 \text{X-INVALID-ORDER-397} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $ $10.39 \text{X-INVALID-ORDER-398} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 352
$10.39\%-INVALID-ORDER-399\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \frac{R_4}{C_4 R_4 s+1},\ R_5 + \frac{1}{C_5 s},\ R_6\right) \qquad . \qquad $. 352
10.40%-IN VALID-ORDER 401 $Z(s) = (R_1, R_2 + \overline{c_2}s, \overline{c_3}s, \overline{c_4R_4s+1}, R_5 + \overline{c_5}s, \overline{c_6}s)$. 352
$10.40 \text{X-INVALID-ORDER-401 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $ $10.40 \text{X-INVALID-ORDER-402 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $. ანა
$10.40 \text{X-INVALID-ORDER-402} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_6 s + 1}\right) \qquad . \qquad $. პეპ
10.40 A-IN VALID-ORDER-403 $Z(s) = \left(n_1, n_2 + \overline{c_2 s}, \overline{c_3 s}, \overline{c_4 R_4 s + 1}, \overline{c_5 R_5 s + 1}, n_6 \right)$. ანპ

$10.40 \text{\&-INVALID-ORDER-} 404 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \qquad \ldots \qquad $	353
$10.40 \text{X-INVALID-ORDER-405} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	353
10.40 X-INVALID-ORDER-406 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	353
10.40 X -INVALID-ORDER-407 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	353
10.40 X-INVALID-ORDER-408 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	353
10.40 % -INVALID-ORDER-409 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	353
$10.41 \text{X-INVALID-ORDER-} 410 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	353
10.41 X -INVALID-ORDER-411 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	354
10.41 X -INVALID-ORDER-412 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	354
$C_{5s} = C_{2s} = C_{5s} = C_{5s} = C_{5s} = C_{6s}$	354
10.41 X -INVALID-ORDER-414 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	354
$(1) (2 C_2 s) (3 C_3 s) (4) (5 K_5 s + 1) (6)$	354
10.41 X-INVALID-ORDER-416 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	354
10.41 X -INVALID-ORDER-417 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	35
10.41 X-INVALID-ORDER-418 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	354
10.41 % -INVALID-ORDER-419 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$	354
(7) (28) (38) (48) (68)	354
$C_{17} = C_{28} + C_{38} + C_{48} + C_{68}$	35
$\begin{pmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $	35
$C_{1} = C_{2} = C_{3} = C_{4} = C_{5} = C_{6} = C_{6$	355
$10.42 \text{X-INVALID-ORDER-} 424 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $	35
$10.42 \text{X-INVALID-ORDER-} 425 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $	35
$10.42 \text{ X-INVALID-ORDER-426 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_5 s} \right) \dots $	35
$10.42\mathbf{X}\text{-INVALID-ORDER-}427\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	
$10.42 \text{X-INVALID-ORDER-} 428 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $	
$10.42 \text{$\mathbb{X}$-INVALID-ORDER-429} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	355
10.43 X-INVALID-ORDER-430 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s} \right)$	355
$10.43 \text{X-INVALID-ORDER-431 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	
10.43 X -INVALID-ORDER-432 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	
10.43 X -INVALID-ORDER-433 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s} \right)$	
10.43 X -INVALID-ORDER-434 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.43 X-INVALID-ORDER-435 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.43 X-INVALID-ORDER-436 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
$10.43 \text{X-INVALID-ORDER-437} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	356
10.43 X-INVALID-ORDER-438 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	356
10.43 X-INVALID-ORDER-439 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right)'$	356
$10.44 \text{X-INVALID-ORDER-440 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $	
$10.44 \text{K-INVALID-ORDER-441} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	
10.44 X -INVALID-ORDER-442 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	35'
$10.44 \text{X-INVALID-ORDER-} 443 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	35'

$10.44 X-INVALID-ORDER-444 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	357
$10.44 X-INVALID-ORDER-445 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $. 357
$10.44\%-INVALID-ORDER-446\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2s},\ R_3 + \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right)\ \dots \dots$. 357
$10.44\text{\%-INVALID-ORDER-}447\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{R_6}{C_6 R_6 s + 1}\right)$. 357
10.44\lefta-INVALID-ORDER-448 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	357
$10.44\%-INVALID-ORDER-449\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \frac{R_4}{C_4 R_4 s + 1},\ R_5,\ \frac{1}{C_6 s}\right) \qquad . \qquad $	357
$10.45 \text{(X-INVALID-ORDER-450 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $	357
$10.45 \text{K-INVALID-ORDER-} 451 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	358
$10.45\mathbf{X}\text{-INVALID-ORDER-}452\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2s},\ R_3 + \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ R_6\right)$	358
$10.45 \text{X-INVALID-ORDER-} 453 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	358
$10.45 \text{\%-INVALID-ORDER-} 454 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	358
$10.45 \times \text{INVALID-ORDER-455} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	358
$10.45 \% - INVALID-ORDER-456 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $	358
$10.45 \text{\%-INVALID-ORDER-} 457 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	358
$10.45 \text{\&-INVALID-ORDER-} 458 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	358
$10.45 \% - \text{INVALID-ORDER-} \\ 459 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ \dots $	358
$10.46 \text{N-INVALID-ORDER-} 460 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ \dots $	358
$10.46 \text{K-INVALID-ORDER-} 461 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 R_5 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	359
$10.46\mathbf{X}\text{-INVALID-ORDER-}462\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2s},\ R_3 + \frac{1}{C_2s},\ R_3 + \frac{1}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right)$	359
$10.46 \text{X-INVALID-ORDER-} 463 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 R_5}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	359
$10.46 \text{ \%-INVALID-ORDER-} 464 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	359
$10.46 \times \text{INVALID-ORDER-} 465 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $	359
$10.46\%-INVALID-ORDER-466\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ R_4,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right).$	359
$10.46\text{\%-INVALID-ORDER-}467\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s + 1},\ R_4,\ \frac{1}{C_5 s},\ R_6\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 359
10.46\Linestin Invalidation of the second o	
10.46%-INVALID-ORDER-469 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1})'$. 359
$10.47 \text{ (X-INVALID-ORDER-470 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $	
$10.47 \text{K-INVALID-ORDER-471 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad \dots $	
10.47\frac{\pi}{2}-INVALID-ORDER-472 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 360
10.47 X -INVALID-ORDER-473 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
$10.47 \text{ \mathbb{X}-INVALID-ORDER-474 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
$10.47 \% - \text{INVALID-ORDER-} 475 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \dots $	
$10.47 \& -INVALID-ORDER-476 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 360
$10.47\text{X-INVALID-ORDER-477}\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s + 1},\ R_4,\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{R_6}{C_6 R_6 s + 1}\right)$. 360
10.47\LID-ORDER-478 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 360
$10.47 \% - \text{INVALID-ORDER-} 479 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 360
$10.47\%-INVALID-ORDER-479\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \frac{1}{C_4 s},\ R_5,\ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $. 360
10.48K-INVALID-ORDER-481 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6)$	361
10.48 X -INVALID-ORDER-482 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 361
$10.48 X-INVALID-ORDER-483 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$. 361

10.48 X -INVALID-ORDER-484 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.48 X-INVALID-ORDER-485 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.48%-INVALID-ORDER-486 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.48\text{X-INVALID-ORDER-}487\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)' \qquad \dots \qquad 3$
10.48 X-INVALID-ORDER-488 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
10.48 X -INVALID-ORDER-489 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s})$
10.49 X-INVALID-ORDER-490 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$
$10.49 \text{X-INVALID-ORDER-491} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \ \dots \ $
$10.49 \text{X-INVALID-ORDER-} 492 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \ldots \qquad 3$
10.49 X -INVALID-ORDER-493 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
$10.49 \text{\&-INVALID-ORDER-} 494 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots \qquad 3$
$10.49 \text{$\mathbb{X}$-INVALID-ORDER-495} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots \qquad 3$
10.49 X-INVALID-ORDER-496 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
$10.49\text{X-INVALID-ORDER-}497\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s + 1},\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right) \dots \qquad 3$
10.49 X-INVALID-ORDER-498 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.49 \text{X-INVALID-ORDER-} 499 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \qquad \dots $
10.50 X -INVALID-ORDER-500 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \right)$
$10.50 \text{K-INVALID-ORDER-501 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
$10.50 \text{X-INVALID-ORDER-} 502 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$
10.50 X -INVALID-ORDER-503 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.50 \text{ \mathbb{X}-INVALID-ORDER-504 } Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \qquad \qquad$
$10.50 \text{X-INVALID-ORDER-} 505 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
$10.50\%-\text{INVALID-ORDER-506}\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right) \qquad \qquad$
$10.50\text{X-INVALID-ORDER-}507\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$
10.50 X-INVALID-ORDER-508 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{1}{C_6 s}\right)$
10.50 X -INVALID-ORDER-509 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.51 X-INVALID-ORDER-510 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)^s$
10.51 X -INVALID-ORDER-511 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$
$10.51 \textbf{X}-\text{INVALID-ORDER-}512 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $ $10.51 \textbf{X}-\text{INVALID-ORDER-}513 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) $ 3
10.51 3. -INVALID-ORDER-513 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
10.51 X -INVALID-ORDER-514 $Z(s) = \left(R_1, R_2 + \frac{1}{C_{2s}}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$
10.51 X-INVALID-ORDER-515 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.51%-INVALID-ORDER-516 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.51\text{X-INVALID-ORDER-}517 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
10.51 % -INVALID-ORDER-518 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
10.51%-INVALID-ORDER-519 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2}s, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
10.52W-INVALID-ORDER-52U $Z(s) = \begin{pmatrix} R_1, R_2 + \frac{1}{C_{2s}}, \frac{1}{C_3R_3s+1}, \frac{1}{C_4R_4s+1}, \frac{1}{C_5R_5s+1}, \frac{1}{R_6} + \frac{1}{C_6s} \end{pmatrix}$
$10.52 \text{X-INVALID-ORDER-521} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) $ $10.52 \text{X-INVALID-ORDER-522} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ R_4, \ R_5, \ R_6\right) $
10.52 X -INVALID-ORDER-522 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, R_6\right)$
10.02 a. IN VALID-OID EIG-020 $Z(s) = \left(\frac{n_1}{C_2 R_2 s + 1}, \frac{1}{n_3}, \frac{n_4}{C_6 s} \right)$

$10.52 \text{$\chi$-INVALID-ORDER-} 524 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	365
$10.52 X-INVALID-ORDER-525 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ R_4, \ \frac{1}{C_5 s}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	365
$10.52\%-\text{INVALID-ORDER-526}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4,\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$	365
$10.52 \mathbf{X}\text{-INVALID-ORDER-} 527 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	365
$10.52 \text{X-INVALID-ORDER-} 528 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	365
$10.52\%-\text{INVALID-ORDER-529}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4,\ \frac{R_5}{C_5R_5s+1},\ R_6\right)$	365
$10.53 \text{(X-INVALID-ORDER-530 } Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $	365
$10.53 \text{K-INVALID-ORDER-} 531 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	366
10.53 X -INVALID-ORDER-532 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5, R_6\right)$	366
10.53 X -INVALID-ORDER-533 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$	366
10.53 X -INVALID-ORDER-534 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$	366
10.53 X-INVALID-ORDER-535 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_5 s}, R_6\right)$	366
$10.53 \%-INVALID-ORDER-536 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3, \ \frac{1}{C_5s}, \ \frac{1}{C_6s}\right) \ \dots $	366
10.53 X -INVALID-ORDER-537 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	366
$10.53 \times -\text{INVALID-ORDER-} - 538 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	366
10.53%-INVALID-ORDER-539 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$	366
$10.54\%-INVALID-ORDER-540\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right)$	366
$10.54 \text{K-INVALID-ORDER-} 541 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	367
$10.54\mathbf{X}\text{-INVALID-ORDER-}542\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4 + \frac{1}{C_4s},\ R_5,\ \frac{1}{C_6s}\right)$	367
$\begin{pmatrix} 1 & C_2 R_2 s + 1 & 0 & 4 & C_4 s & 0 & 6 & C_6 s \end{pmatrix}$	367
$10.54\text{\&-INVALID-ORDER-}544\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4 + \frac{1}{C_4s},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right).$	367
$10.54 \times -\text{INVALID-ORDER-} 545 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	367
$10.54\%-INVALID-ORDER-546\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ R_6\right)$	367
$10.54\text{X-INVALID-ORDER-}547\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_6s}\right) \qquad \dots $	367
10.54\lefta-INVALID-ORDER-548 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s} \right)$	
$10.54\%-INVALID-ORDER-549\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)'$	
$10.55 \text{N-INVALID-ORDER-}550 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \cdot \right)$	
$10.55 \text{K-INVALID-ORDER-551} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$10.55\mathbf{X}\text{-INVALID-ORDER-552}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right)$	368
10.55 X -INVALID-ORDER-553 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$	
$10.55 \text{ \%-INVALID-ORDER-} 554 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \ \dots $	
$10.55 \times \text{-INVALID-ORDER-} 555 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s} \right) \dots $	
$10.55 \% - INVALID-ORDER-556 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
$10.55\%-INVALID-ORDER-557\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$	368
$10.55\%-INVALID-ORDER-558\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ R_6 + \frac{1}{C_6s}\right)$	
$10.55\%-\text{INVALID-ORDER-559}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right) \qquad \dots $	368
$10.56 \text{N-INVALID-ORDER-} 560 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	368
$10.56 \text{X-INVALID-ORDER-} 561 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots \dots$	
$10.56\mathbf{X}\text{-INVALID-ORDER-}562\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right) \qquad \dots $	369
$10.56 \text{X-INVALID-ORDER-} 563 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	369

$\begin{array}{ll} 10.503. \text{INVALID-ORDER-55} \ Z(s) = \left(R_1, \ \frac{C_{1}^{2}}{C_{1}^{2}}, \frac{1}{C_{1}^{2}}, \ R_1, R_2 + \frac{1}{C_{2}^{2}}, R_2 \right) & 369 \\ 10.503. \text{INVALID-ORDER-550} \ Z(s) = \left(R_1, \ \frac{C_{1}^{2}}{C_{1}^{2}}, \frac{1}{C_{2}^{2}}, R_1, R_2 + \frac{1}{C_{2}^{2}}, \frac{1}{C_{2}^{2}} \right) & 369 \\ 10.503. \text{INVALID-ORDER-550} \ Z(s) = \left(R_1, \ \frac{C_{1}^{2}}{C_{1}^{2}}, \frac{1}{C_{2}^{2}}, R_1, R_2 + \frac{1}{C_{2}^{2}}, \frac{1}{C_{2}^{2}} \right) & 369 \\ 10.503. \text{INVALID-ORDER-550} \ Z(s) = \left(R_1, \ \frac{C_{1}^{2}}{C_{1}^{2}}, \frac{1}{C_{2}^{2}}, R_2 + \frac{1}{C_{2}^{2}}, \frac{1}{C_{2}^{2}^{2}}, \frac{1}{C_{2}^{2}}, \frac{1}{C_{2}^{2}^{2}}, \frac{1}{C_{2}^{2}^{2}}, \frac{1}{C_{2}^{2}^{2}}, \frac{1}{C_{2}^{2}^{2}}, \frac{1}{C_{2}^{2}^{2}}$		
15.57 A PARAD GORDER 25 (2) = (1 - 1	$10.56 \mathbf{X} - \text{INVALID-ORDER-} 564 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $. 369
15.6K PAYALD ORDER 57 2(c) = (R - (の) (の) (の) (の) (R - R - R - R - R - R - R - R - R - R	10.56 X-INVALID-ORDER-565 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$. 369
1008ENEVALIDORIFERIOR 2(a) = \begin{pmatrix} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	$10.56\% - INVALID-ORDER-566 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{1}{C_3s}, \ R_4, \ R_5 + \frac{1}{C_5s}, \ \frac{1}{C_6s}\right) \ \dots $. 369
100MX NYALID ORDER 5-20 Z (z) = (R ₁	$10.56\mathbf{X}\text{-INVALID-ORDER-}567\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4,\ R_5 + \frac{1}{C_5s},\ R_6 + \frac{1}{C_6s}\right)$. 369
19.2K INVALID ORDITES 2 (1) - (R. できまった たい	$10.56 X-INVALID-ORDER-568 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{1}{C_3s}, \ R_4, \ R_5 + \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right) \dots $. 369
10.57X NYMID ORDER-737 Z(s) = (R ₁ R ₁ R ₁ R ₂ R ₂ R ₂ R ₂ R ₃ R ₄ R ₂ R ₃ R ₄ R ₃ R ₃ R ₄ R ₄	$10.56 \%-INVALID-ORDER-569 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{1}{C_3s}, \ R_4, \ \frac{R_5}{C_5R_5s+1}, \ \frac{R_6}{C_6R_6s+1}\right) \ \dots $. 369
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$10.57 \text{ (X-INVALID-ORDER-570 } Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 369
19.73 INVALID ORDER 571 $Z(r) = \left(R_1, \frac{1}{1000000000000000000000000000000000$	$10.57 \text{K-INVALID-ORDER-571 } Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 370
10.57% INVALID-ORDER-557 Z(s) = (R ₁ で で で で で で で で で で で で で で で で で で で	10.57 X -INVALID-ORDER-572 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$. 370
10.075.NVALID-ORDER-507 $Z(s) = \{R_1, \frac{c_{1}^{2}}{c_{1}^{2}}, R_{1}, \frac{c_{1}^{2}}{c_{1}^{2}}, R_{1} + \frac{c_{1}^{2}}{c_{1}^{2}}, R_{2}^{2} + \frac{c_{1}^{2}}{c_{2}^{2}}, R_{2}^{2} + \frac{c_{1}^{2}}{c_{2}$	10.57 X -INVALID-ORDER-573 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 370
19.00K.INVALID-ORDER-677 $Z(s) = \{R_1, \frac{1}{C_{10}}, \frac{1}$	10.57 X -INVALID-ORDER-574 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 370
10.5X INVALID ORDER-579 $Z(s) = \begin{pmatrix} R_1 & \frac{1}{\sqrt{2}(1+s)}, \frac{1}{\sqrt{2}}, R_1 + \frac{1}{\sqrt{2}}, R_2 - \frac{1}{\sqrt{2}} \end{pmatrix}$ 270 10.5X INVALID ORDER-578 $Z(s) = R_1 & \frac{1}{\sqrt{2}(1+s)}, \frac{1}{\sqrt{2}}, R_2 + \frac{1}{\sqrt{2}}, R_3 + \frac{1}{\sqrt{2}}, R_4 + \frac{1}{\sqrt{2}}, R_4 + \frac{1}{\sqrt{2}}, R_3 + \frac{1}{\sqrt{2}} \end{pmatrix}$ 270 10.5X INVALID ORDER-589 $Z(s) = \begin{pmatrix} R_1 & \frac{1}{\sqrt{2}(1+s)}, \frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}$	10.57 X-INVALID-ORDER-575 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 370
10.578. INVALID ORDER-878 $Z(s) = \left(R_1, \frac{c_1R_{1233}}{c_2R_{1233}}, \frac{c_1}{c_2}, R_1 + \frac{1}{c_2}, R_2, \frac{c_2}{c_3}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_2R_{1233}}{c_3R_{1233}}, \frac{c_2}{c_3}, R_2 + \frac{1}{c_3}, R_3, \frac{1}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_2R_{1233}}{c_3R_{1233}}, \frac{c_2}{c_3}, R_3 + \frac{1}{c_3}, R_4 + \frac{1}{c_3}, \frac{1}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_2R_{1233}}{c_3R_{1233}}, \frac{c_2}{c_3}, R_4 + \frac{1}{c_3}, \frac{c_4}{c_4}, \frac{1}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_2R_{1233}}{c_3R_{1233}}, \frac{c_4}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}, \frac{1}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_2R_{1233}}{c_4}, \frac{c_4}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}, \frac{1}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_2R_{1233}}{c_4}, \frac{c_4}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}, \frac{c_4}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_2R_{1233}}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_4R_{1233}}{c_4}, R_4 + \frac{1}{c_4}, R_4 + \frac{1}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_4R_{1233}}{c_4}, R_4 + \frac{1}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}, R_4 + \frac{1}{c_4}, \frac{c_4}{c_4}\right)$ 10.588. INVALID ORDER-859 $Z(s) = \left(R_1, \frac{c_4R_{1233}}{c_4R_{1233}}, \frac{c_4R_{1233}}{c_4R_{12333}}, \frac{c_4R_{1233}}{c_4R_{12333}}, \frac{c_4R_{12333}}{c_4R_{1233$	$10.57\%-\text{INVALID-ORDER-576}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right) \dots $. 370
	10.57 X -INVALID-ORDER-577 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 370
$\begin{array}{ll} 10.58E.INVALID-ORDER-580 \ Z(s) = \left(R_1, \frac{C_{10}}{C_{10}}, \frac{1}{C_{10}}, R_1 + \frac{1}{C_{10}}, R_2 + \frac{1}{C_{10}}, R_3 + \frac{1}{C_{10}}, R_4 + \frac{1}{C_{10}}, R_3 + \frac{1}{C_{10}}, R_4 + \frac{1}{C_{10}}, R_3 + \frac{1}{C_{10}}, R_4 + \frac{1}{C_{10}}, R_4 + \frac{1}{C_{10}}, R_5 + \frac{1}{C_{10}}, R_4 + \frac{1}{C_{10}}, R_5 $	10.57\Linestein Invalidation ORDER-578 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$. 370
$\begin{array}{lll} 10.58K \text{INVALID ORDER-S81} Z(s) = \left(R_1, \frac{r_{10}}{c_{10}} \right)_{1}^{1} \cdot \frac{1}{c_{10}}, R_4 + \frac{1}{c_{10}}, \frac{1}{c_{20}}, R_6 \right) & 371 \\ 10.58L \text{INVALID-ORDER-S92} Z(s) = \left(R_1, \frac{r_{10}}{c_{10}} \right)_{1}^{1} \cdot \frac{1}{c_{20}}, R_1 + \frac{1}{c_{20}}, \frac{1}{c_{20}}, R_0 + $	10.57%-INVALID-ORDER-579 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 370
$\begin{array}{ll} 19.582_INVALID-ORDER-582\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{11}}, \frac{1}{C_{10}}, R_1 + \frac{1}{C_{10}}, \frac{1}{C_{10}}\right) & 371\\ 19.582_INVALID-ORDER-583\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{11}}, \frac{1}{C_{10}}, R_1 + \frac{1}{C_{10}}, \frac{1}{C_{10}}\right) & 371\\ 19.583_INVALID-ORDER-584\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{11}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{10}}, \frac{1}{C_{20}}, \frac{1}{C_{20}R_{21}}\right) & 371\\ 19.583_INVALID-ORDER-585\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, \frac{1}{C_{20}}, \frac{1}{C_{20}}\right) & 371\\ 19.583_INVALID-ORDER-585\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, R_2 + \frac{1}{C_{20}}, \frac{1}{C_{20}}\right) & 371\\ 19.583_INVALID-ORDER-585\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, R_2 + \frac{1}{C_{20}}, \frac{1}{C_{20}}\right) & 371\\ 19.583_INVALID-ORDER-585\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, R_2 + \frac{1}{C_{20}}, \frac{1}{C_{20}}\right) & 371\\ 19.583_INVALID-ORDER-585\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, R_2 + \frac{1}{C_{20}}, \frac{1}{C_{20}}\right) & 371\\ 19.593_INVALID-ORDER-585\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, \frac{1}{C_{10}R_{21}}\right) & 371\\ 19.593_INVALID-ORDER-580\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, \frac{1}{C_{10}R_{21}}\right) & 371\\ 19.593_INVALID-ORDER-590\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, \frac{1}{C_{10}R_{21}}\right) & 371\\ 19.593_INVALID-ORDER-590\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, \frac{1}{C_{10}R_{21}}\right) & 372\\ 19.593_INVALID-ORDER-590\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, R_1 + \frac{1}{C_{20}}, \frac{R_1}{C_{10}R_{21}}\right) & 372\\ 19.593_INVALID-ORDER-590\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, \frac{1}{C_{10}R_{21}}\right) & 372\\ 19.593_INVALID-ORDER-590\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, \frac{1}{C_{10}R_{21}}\right) & 372\\ 19.593_INVALID-ORDER-590\ Z(s) = \left(R_1, \frac{R_1}{C_{10}R_{21}}, \frac{1}{C_{20}}, \frac{1}{C_{10}R_{21}}\right) & \frac{1}{C_{20}R_{21}}\right) & 372\\ 19.593_INVALID-ORDER-59$	$10.58\text{N-INVALID-ORDER-}580\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right) \dots $. 370
$ \begin{array}{ll} 10.58\textbf{X}.\text{INVALID-ORDER-S83} \ Z(s) = \left(R_1, \frac{R_1}{C_0 R_{0.1} + 1}, \frac{1}{C_{0.2}}, R_2 + \frac{1}{C_{0.2}}, \frac{1}{C_{0.2}}, R_2 + \frac{1}{C_{0.2}} \right) \\ 10.58\textbf{X}.\text{INVALID-ORDER-S84} \ Z(s) = \left(R_1, \frac{R_1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_1 + \frac{1}{C_{0.2}}, \frac{R_2}{C_{0.2}}, \frac{1}{C_{0.2}}, \frac{1}{C_{0.2}} \right) \\ 10.58\textbf{X}.\text{INVALID-ORDER-S85} \ Z(s) = \left(R_1, \frac{R_1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_1 + \frac{1}{C_{0.2}}, R_2 + \frac{1}{C_{0.2}}, R_3 + \frac{1}{C_{0.2}}, R_4 + \frac{1}{C_{0.2}}, R_5 + \frac{1}{C_{0.2}}, R_6 \right) \\ 10.58\textbf{X}.\text{INVALID-ORDER-S85} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_1 + \frac{1}{C_{0.2}}, R_5 + \frac{1}{C_{0.2}}, R_6 \right) \\ 10.58\textbf{X}.\text{INVALID-ORDER-S85} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_2 + \frac{1}{C_{0.2}}, R_5 + \frac{1}{C_{0.2}}, R_6 \right) \\ 10.58\textbf{X}.\text{INVALID-ORDER-S85} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_4 + \frac{1}{C_{0.2}}, R_5 + \frac{1}{C_{0.2}}, \frac{1}{C_{0.2}} \right) \\ 10.58\textbf{X}.\text{INVALID-ORDER-S85} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_4 + \frac{1}{C_{0.2}}, \frac{1}{C_{0.2} + 1}, \frac{1}{C_{0.2}}, \frac{1}{C_{0.2} + 1}} \right) \\ 10.58\textbf{X}.\text{INVALID-ORDER-S90} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_4 + \frac{1}{C_{0.2}}, \frac{1}{C_{0.2} + 1}, \frac{1}{C_{0.2}}, \frac{1}{C_{0.2} + 1}} \right) \\ 10.59\textbf{X}.\text{INVALID-ORDER-S90} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_{0.2}}, R_4 + \frac{1}{C_{0.2}}, \frac{1}{C_{0.2} + 1}, \frac{1}{C_{0.2}}, \frac{1}{C_{0.2} + 1}} \right) \\ 10.59\textbf{X}.\text{INVALID-ORDER-S90} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}} \right) \\ 10.59\textbf{X}.\text{INVALID-ORDER-S90} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}} \right) \\ 10.59\textbf{X}.\text{INVALID-ORDER-S90} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}} \right) \\ 10.59\textbf{X}.\text{INVALID-ORDER-S90} \ Z(s) = \left(R_1, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}, \frac{1}{C_0 R_{0.2} + 1}} \right) \\ 10.59\textbf{X}.\text{INVALID-ORDER-S90}$	$10.58 \text{K-INVALID-ORDER-} 581 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right) \dots \dots$. 371
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$10.58\mathbf{X}\text{-INVALID-ORDER-}582\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$. 371
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10.58 X -INVALID-ORDER-583 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 371
$ \begin{array}{c} 10.58\text{X-INVALID-ORDER-586} \ Z(s) = \left(R_1, \frac{R_1}{c_{B_{2}}R_{2}+1}, \frac{1}{c_{13}}, R_1 + \frac{1}{c_{14}}, R_2 + \frac{1}{c_{15}}, \frac{1}{c_{15}} \right) \\ 10.58\text{X-INVALID-ORDER-587} \ Z(s) = \left(R_1, \frac{R_2}{c_{B_{2}}R_{2}+1}, \frac{1}{c_{25}}, R_2 + \frac{1}{c_{15}}, R_2 + \frac{1}{c_{15}}, R_3 + \frac{1}{c_{15}} \right) \\ 10.58\text{X-INVALID-ORDER-588} \ Z(s) = \left(R_1, \frac{R_2}{c_{B_{2}}R_{2}+1}, \frac{1}{c_{15}}, R_4 + \frac{1}{c_{15}}, R_2 + \frac{1}{c_{15}}, R_3 + \frac{1}{c_{15}}, R_4 + \frac{1}{c_{15}}, R_3 + \frac{1}{c_{15}}, R_4 + \frac{1}{c_{15}}, R_5 + \frac{1}{c_{15}}, R_4 + \frac{1}{c_{15}}, R_5 + \frac{1}{c_{15}}, R_4 + \frac{1}{c_{15}}, R_5 + \frac{1}{c_{15}}, R$	$10.58 \text{\&-INVALID-ORDER-584} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_6 R_6 s + 1}\right) \ \dots $. 371
$ \begin{array}{ll} 10.58\text{X-INVALID-ORDER-587} \ Z(s) = \left(R_1, \frac{R_1}{C_{20}}, \frac{1}{1_{10}}, $	10.58X-INVALID-ORDER-585 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 371
$ \begin{array}{lll} 10.58 \& INVALID-ORDER-588 \ Z(s) = \left(R_1, \frac{R_1}{C_{10,k+1}}, \frac{1}{C_{10}}, R_1 + \frac{1}{C_{14}}, R_5 + \frac{1}{C_{15}}, R_5 + \frac{R_5}{C_{15}} & \frac{R_5}{C_{10,k+1}} \right) \\ 10.58 \& INVALID-ORDER-589 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{1}{C_{10}}, R_4 + \frac{1}{C_{14}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10}} \right) \\ 10.59 \& INVALID-ORDER-590 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{1}{C_{10}}, R_1 + \frac{1}{C_{10}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10}} \right) \\ 10.59 \& INVALID-ORDER-591 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{1}{C_{10}}, R_4 + \frac{1}{C_{14}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-592 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-593 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-594 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-595 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-595 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-595 \ Z(s) = \left(R_1, \frac{R_2}{C_{10,k+1}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-595 \ Z(s) = \left(R_1, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-595 \ Z(s) = \left(R_1, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}} \right) \\ 10.59 \& INVALID-ORDER-595 \ Z(s) = \left(R_1, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_{10,k}}, \frac{R_5}{C_{10,k+1}}, \frac{R_5}{C_$	$10.58\%-\text{INVALID-ORDER-}586\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_6s}\right) \dots $. 371
$ \begin{array}{c} 10.58\$\text{X-INVALID-ORDER-589} \ Z(s) = \left(R_1, \begin{array}{c} R_1 \\ c_1 \\ c_2 R_{28+1}, \end{array} \right), \begin{array}{c} R_4 + \frac{1}{c_{4s}}, \begin{array}{c} R_4 \\ c_1 R_{38+1}, \end{array} \right), \\ 10.59\$\text{X-INVALID-ORDER-590} \ Z(s) = \left(R_1, \begin{array}{c} R_2 \\ R_{24} \\ c_2 R_{28+1}, \end{array} \right), \begin{array}{c} R_4 + \frac{1}{c_{4s}}, \begin{array}{c} R_4 \\ c_2 R_{38+1}, \end{array} \right), \begin{array}{c} C_{12s} \\ $	(7) $(2)^{17}$ $(2)^{18}$ $(2)^{17}$ $(3)^{17}$ $(4)^{17}$ $(4)^{17}$ $(4)^{17}$ $(4)^{17}$ $(4)^{17}$ $(4)^{17}$ $(4)^{17}$. 371
$ \begin{array}{ll} 10.59 \& - Invalido - Grider - 590 \ Z(s) = \left(R_1, \ \frac{G_R}{C_2} \frac{R_2}{R_2} + 1, \ \frac{1}{C_4 s}, \ R_4 + \frac{1}{L_4 s}, \ \frac{R_5}{C_6 R_2 s + 1}, \ \frac{1}{C_6 s}\right) \\ 10.59 \& - Invalido - Grider - 591 \ Z(s) = \left(R_1, \ \frac{G_R}{C_2} \frac{R_2}{R_2} + 1, \ \frac{1}{C_4 s}, \ R_4 + \frac{1}{L_4 s}, \ \frac{R_5}{C_6 R_2 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \\ 10.59 \& - Invalido - Grider - 592 \ Z(s) = \left(R_1, \ \frac{R_1}{C_2} \frac{R_2}{C_2 s + 1}, \ \frac{1}{C_5 s}, \ R_4 + \frac{1}{L_4 s}, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 593 \ Z(s) = \left(R_1, \ \frac{R_1}{C_2} \frac{R_2}{C_2 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 594 \ Z(s) = \left(R_1, \ \frac{R_1}{C_2} \frac{R_2}{C_2 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 595 \ Z(s) = \left(R_1, \ \frac{R_1}{C_2 R_2 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 595 \ Z(s) = \left(R_1, \ \frac{R_1}{C_2 R_2 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 595 \ Z(s) = \left(R_1, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 s + 1}\right) \\ 10.59 \& - Invalido - Grider - 597 \ Z(s) = \left(R_1, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_5}{C_6 R_5 $	$10.58\text{X-INVALID-ORDER-588}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right) \qquad \dots $. 371
$ \begin{array}{ll} 10.59 \text{K-INVALID-ORDER-591} \ Z(s) = \left(R_1, \ \frac{C_{R_2}}{C_{R_2}} + 1, \ \frac{1}{C_{58}}, \ R_4 + \frac{1}{C_{58}}, \ \frac{R_6}{C_{R_5}} + 1, \ R_6 + \frac{1}{C_{69}} \right) \\ 10.59 \text{X-INVALID-ORDER-592} \ Z(s) = \left(R_1, \ \frac{R_1}{C_{R_2}} + \frac{1}{C_{58}}, \ \frac{1}{C_{6R_5}} + 1, \ \frac{1}{C_{58}}, \ \frac{R_6}{C_{6R_5}} + 1, \ \frac{R_6}{C_{58}}, \ \frac{R_6}{C_{6R_5}} + 1, \ \frac{1}{C_{58}}, \ \frac{R_6}{C_{6R_5}} + 1, \ \frac{1}{C_{58}}, \ \frac{R_6}{C_{6R_5}} + 1, \ \frac{1}{C_{58}}, \ \frac{R_6}{C_{6R_5}} + 1, \ \frac{R_6}{C_{58}}, \ \frac{R_6}{C_{6R_5}} + 1, \ \frac{1}{C_{58}}, \ \frac{R_6}{C_{6R_5}} + 1, \ \frac{1}{C_{5$	10.58%-INVALID-ORDER-589 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 371
$ \begin{array}{c} 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-592} \ Z(s) = \left(R_1, \frac{R_5}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_6 s + 1}, \frac{R_6}{C_5 R_6 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-593} \ Z(s) = \left(R_1, \frac{R_5}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_4 R_6 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-594} \ Z(s) = \left(R_1, \frac{R_5}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_4 R_6 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-595} \ Z(s) = \left(R_1, \frac{R_5}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-596} \ Z(s) = \left(R_1, \frac{R_5}{C_2 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-597} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-597} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-598} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1} \right) \\ 10.59 \underline{\mathbf{X}}\text{-INVALID-ORDER-599} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{R_5}{C_6 R_5 s + 1}, \frac{R_5}{C_6 R_5 s + 1}, \frac{R_5}{C_6 R_5 s + 1} \right) \\ 10.60 \underline{\mathbf{X}}\text{-INVALID-ORDER-600} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, R_3 + \frac{1}{C_5 s}, \frac{R_4}{C_6 R_5 s + 1}, \frac{R_5}{C_6 R_6 s + 1} \right) \\ 10.60 \underline{\mathbf{X}}\text{-INVALID-ORDER-601} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, R_3 + \frac{1}{C_5 s}, R_4, R_5, \frac{R_6}{C_6 R_5 s + 1} \right) \\ 10.60 \underline{\mathbf{X}}\text{-INVALID-ORDER-602} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, R_3 + \frac{1}{C_5 s}, R_4, R_5, \frac{R_6}{C_6 R_5 s + 1} \right) \\ 10.60 \underline{\mathbf{X}}\text{-INVALID-ORDER-602} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, R_3 + \frac{1}{C_5 s}, R_4, R_5, \frac{R_6}{C_6 R_5 s + 1} \right) \\ 10.60 \underline{\mathbf{X}}\text{-INVALID-ORDER-602} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, R_3 + \frac{1}{C_5 s}, R_4, R_5, \frac{R_5}{C_6 R_5 s + 1} \right) \\ 10.60 \underline{\mathbf{X}}\text{-INVALID-ORDER-602} \ Z(s) = \left(R_1, \frac{R_5}{C_6 R_5 s + 1}, R_3 + \frac{1}{C_5 s}, R_4, R_5 + \frac{1}{C_5 $		
$ \begin{array}{lll} 10.59\text{X-INVALID-ORDER-593} \ Z(s) = \left(R_1, \ \frac{R_s}{C_2R_2s+1}, \ \frac{1}{C_ss}, \ \frac{R_s}{C_aR_ss+1}, \ R_5, \ \frac{R_s}{C_aR_ss+1} \right) & 372 \\ 10.59\text{X-INVALID-ORDER-594} \ Z(s) = \left(R_1, \ \frac{R_s}{C_2R_2s+1}, \ \frac{1}{C_ss}, \ \frac{R_s}{C_aR_ss+1}, \ R_5, \ \frac{R_s}{C_ss} \right) & 372 \\ 10.59\text{X-INVALID-ORDER-595} \ Z(s) = \left(R_1, \ \frac{R_s}{C_sR_ss+1}, \ \frac{1}{C_ss}, \ \frac{R_s}{C_sR_ss+1}, \ R_5 + \frac{1}{C_ss}, \ R_6 \\ 10.59\text{X-INVALID-ORDER-596} \ Z(s) = \left(R_1, \ \frac{R_s}{C_sR_ss+1}, \ \frac{1}{C_ss}, \ \frac{R_s}{C_sR_ss+1}, \ R_5 + \frac{1}{C_s$		
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	$10.59\text{\%}-\text{INVALID-ORDER-}592\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right) \dots $. 372
$ \begin{array}{lll} 10.59 \&-\text{INVALID-ORDER-}596 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \\ 10.59 \&-\text{INVALID-ORDER-}597 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \\ 10.59 \&-\text{INVALID-ORDER-}598 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.59 \&-\text{INVALID-ORDER-}599 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_5}{C_6 R_6 s + 1} \right) \\ 10.60 \&-\text{INVALID-ORDER-}600 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.60 \&-\text{INVALID-ORDER-}601 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s}$	$10.59 \text{X-INVALID-ORDER-593} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 372
$ \begin{array}{lll} 10.59 \&-\text{INVALID-ORDER-}596 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \\ 10.59 \&-\text{INVALID-ORDER-}597 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \\ 10.59 \&-\text{INVALID-ORDER-}598 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.59 \&-\text{INVALID-ORDER-}599 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.60 \&-\text{INVALID-ORDER-}600 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.60 \&-\text{INVALID-ORDER-}601 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s} + \frac{1}{C_5 s} + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.60 \&-\text{INVALID-}600 \ R_5 + \frac{1}{C_5 s}$	$10.59 \text{\&-INVALID-ORDER-594} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 372
$ 10.59 \textbf{X}-\text{INVALID-ORDER-}597 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) $ $ 10.59 \textbf{X}-\text{INVALID-ORDER-}598 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $ $ 10.59 \textbf{X}-\text{INVALID-ORDER-}599 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $ $ 10.60 \textbf{X}-\text{INVALID-ORDER-}600 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) $ $ 10.60 \textbf{X}-\text{INVALID-ORDER-}601 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $ $ 10.60 \textbf{X}-\text{INVALID-ORDER-}602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $ $ 373$	$10.59 X-INVALID-ORDER-595 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $. 372
$ 10.59 \$-INVALID-ORDER-598 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ R_5 + \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right) $ $ 10.59 \$-INVALID-ORDER-599 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{R_5}{C_5R_5s+1}, \ \frac{R_6}{C_6R_6s+1}\right) $ $ 10.60 \$-INVALID-ORDER-600 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ R_5, \ \frac{R_6}{C_6R_6s+1}\right) $ $ 10.60 \$-INVALID-ORDER-601 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right) $ $ 10.60 \$-INVALID-ORDER-602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ R_5 + \frac{1}{C_5s}, \ R_6\right) $ $ 373$	$10.59\%-\text{INVALID-ORDER-596}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_6s}\right) \dots \dots$. 372
$10.59\%-INVALID-ORDER-599 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{R_5}{C_5R_5s+1}, \ \frac{R_6}{C_6R_6s+1}\right)'.$ $10.60\%-INVALID-ORDER-600 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ R_5, \ \frac{R_6}{C_6R_6s+1}\right).$ $10.60\%-INVALID-ORDER-601 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right).$ $10.60\%-INVALID-ORDER-602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ R_5 + \frac{1}{C_5s}, \ R_6\right).$ 373 $10.60\%-INVALID-ORDER-602 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ R_5 + \frac{1}{C_5s}, \ R_6\right).$ 373	$10.59\text{X-INVALID-ORDER-}597\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ R_6 + \frac{1}{C_6s}\right)$. 372
$10.60 X-INVALID-ORDER-600 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	$10.59 \text{X-INVALID-ORDER-598} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 372
10.60 X -INVALID-ORDER-601 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	$10.59\%-\text{INVALID-ORDER-599}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right)\ \dots$. 372
10.60 X -INVALID-ORDER-601 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	$10.60 \text{$\mathbb{K}$-INVALID-ORDER-600} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 372
10.60 X -INVALID-ORDER-602 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$	$10.60 \text{K-INVALID-ORDER-} 601 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 373
10.60 X -INVALID-ORDER-603 $Z(s) = \left(R_1, \frac{R_2}{GR_{200}}, R_3 + \frac{1}{G}, R_4, R_5 + \frac{1}{G}, \frac{1}{G}\right)$	$10.60\mathbf{X}\text{-INVALID-ORDER-}602\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ R_4,\ R_5 + \frac{1}{C_5s},\ R_6\right)$. 373
$\begin{pmatrix} C_2 & C_2 & C_3 & C_4 \end{pmatrix}$	10.60 X -INVALID-ORDER-603 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 373

$10.60 \text{X-INVALID-ORDER-} 604 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 373
$10.60 \%-INVALID-ORDER-605 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ R_5 + \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right) \ \dots $. 373
$10.60 \text{\center} - 10.60 \ce$. 373
$10.60\text{X-INVALID-ORDER-}607\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right)$. 373
10.60\Lambda-INVALID-ORDER-608 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_6R_6s+1}\right)$. 373
10.60%-INVALID-ORDER-609 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 373
10.61 X-INVALID-ORDER-610 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 373
$10.61 \text{K-INVALID-ORDER-611} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 374
$10.61\mathbf{X}\text{-INVALID-ORDER-}612\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$. 374
10.61 X -INVALID-ORDER-613 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$. 374
10.61 X -INVALID-ORDER-614 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, R_6\right)$. 374
$\left\langle \begin{array}{cccccccccccccccccccccccccccccccccccc$. 374
10.61\&\text{-INVALID-ORDER-616} $Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s} \right)$. 374
$10.61\text{X-INVALID-ORDER-}617\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right) \ \dots $. 374
10.61 X-INVALID-ORDER-618 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 374
10.61\X-INVALID-ORDER-619 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 374
$(7) \left(\frac{17}{12} C_2 n_2 s + 17\right) = 0.03 s^2 + 1.04 s^2 \left(\frac{1}{12} C_4 s^2 + \frac{1}{12} C_5 s^2 + \frac{1}{12} C_$. 374
$10.62 \text{X-INVALID-ORDER-621} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $. 375
$10.62\mathbf{X}\text{-INVALID-ORDER-}622\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ R_6\right)$. 375
10.62 X -INVALID-ORDER-623 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 375
$10.62 \text{$\mathbb{X}$-INVALID-ORDER-624} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $. 375
$10.62 X-INVALID-ORDER-625 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$. 375
$10.62\%-\text{INVALID-ORDER-}626\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ R_6\right)$. 375
$10.62\mathbf{X}\text{-INVALID-ORDER-}627\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right)$. 375
$10.62 \text{\&-INVALID-ORDER-} 628 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 375
$10.62\%-\text{INVALID-ORDER-}629\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ R_4 + \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_5}{C_6R_6s+1}\right) \ \dots $. 375
$10.63 \text{N-INVALID-ORDER-} 630 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) $. 375
$10.63 \text{K-INVALID-ORDER-631} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 376
$10.63\mathbf{X}\text{-INVALID-ORDER-}632\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ R_6\right)$	
10.63 X-INVALID-ORDER-633 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
$10.63 \text{\&-INVALID-ORDER-} 634 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$10.63 \times \text{INVALID-ORDER-635} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	
$10.63 \& -INVALID-ORDER-636 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right)' \qquad \dots $	
$10.63\text{\%-INVALID-ORDER-637}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4,\ R_5,\ \frac{1}{C_6s}\right)\ \dots$. 376
10.63\Linescript{A-INVALID-ORDER-638} $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6 + \frac{1}{C_6s}\right) \dots \dots$	
$10.63\%-INVALID-ORDER-639 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ R_4, \ R_5, \ \frac{R_6}{C_6R_6s+1}\right)' \qquad . \qquad $. 376
$10.64 \text{$\mathbb{X}$-INVALID-ORDER-640} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $. 376
$10.64 \text{K-INVALID-ORDER-641} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \ \dots $	
$10.64\mathbf{X}\text{-INVALID-ORDER-}642\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4,\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$. 377
$10.64 X-INVALID-ORDER-643 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 377

$10.64 \text{X-INVALID-ORDER-} 644 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $. 377
$10.64 X-INVALID-ORDER-645 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ R_4, \ \frac{R_5}{C_5R_5s+1}, \ \frac{1}{C_6s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 377
$10.64\%-\text{INVALID-ORDER-}646\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_5R_5s+1},\ R_4,\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right)$. 377
$10.64\text{X-INVALID-ORDER-}647\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4,\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 377
$10.64\%-INVALID-ORDER-648\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{1}{C_4s},\ R_5,\ \frac{1}{C_6s}\right) \dots $. 377
$10.64\%-\text{INVALID-ORDER-}649\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{1}{C_4s},\ R_5,\ R_6 + \frac{1}{C_6s}\right)$. 377
$10.65\%-\text{INVALID-ORDER-}650\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{1}{C_4s},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right).$. 377
$10.65 \text{K-INVALID-ORDER-} 651 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 378
$10.65\mathbf{X}\text{-INVALID-ORDER-}652\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ R_6\right)$. 378
10.65 X -INVALID-ORDER-653 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 378
$10.65 \text{\&-INVALID-ORDER-} 654 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 378
$\left\langle \begin{array}{cccccccccccccccccccccccccccccccccccc$. 378
$10.65 \& -INVALID-ORDER-656 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots $. 378
$10.65\text{X-INVALID-ORDER-}657\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 378
$10.65 \%-INVALID-ORDER-658 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ \frac{R_6}{C_6R_6s+1}\right) \dots \dots$. 378
$10.65\%-\text{INVALID-ORDER-}659\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ R_5,\ R_6\right)$. 378
$() \left(\begin{array}{cccccccccccccccccccccccccccccccccccc$. 378
$10.66 \text{K-INVALID-ORDER-} 661 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 379
$10.66\mathbf{X}\text{-INVALID-ORDER-}662\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right) \dots $. 379
$10.66 X-INVALID-ORDER-663 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right) $. 379
$10.66 \text{\&-INVALID-ORDER-} 664 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots \dots$. 379
$10.66 \text{$\mathbb{X}$-INVALID-ORDER-665} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \dots $. 379
$10.66\%-\text{INVALID-ORDER-}666\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right) \dots \dots$. 379
$10.66\text{\%-INVALID-ORDER-}667\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ R_6\right) \dots \dots$	
10.66 % -INVALID-ORDER-668 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 379
$10.66 \%-INVALID-ORDER-669 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 379
$10.67 \text{ X-INVALID-ORDER-670 } Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right)' \dots \dots$. 379
$10.67 \text{K-INVALID-ORDER-} 671 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $. 380
$10.67 \mathbf{X}\text{-INVALID-ORDER-}672 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 380
$10.67 X-INVALID-ORDER-673 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 380
$10.67 \&-\text{INVALID-ORDER-}674 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) - \dots $	
$10.67 \times -\text{INVALID-ORDER-} - 675 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s} \right) \ \dots $. 380
$10.67 \& -INVALID-ORDER-676 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ \frac{R_4}{C_4R_4s+1}, \ R_5, \ R_6 + \frac{1}{C_6s}\right) \dots $. 380
$10.67\text{X-INVALID-ORDER-}677\ Z(s) = \left\langle R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{R_6}{C_6R_6s+1} \right\rangle \qquad . $. 380
$10.67 \%-\text{INVALID-ORDER-}678 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$. 380
$10.67\%-\text{INVALID-ORDER-}679\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ R_6\right) \qquad $. 380
$10.68 \text{N-INVALID-ORDER-} 680 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $. 380
$10.68 \text{K-INVALID-ORDER-681} \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	
$10.68\mathbf{X}\text{-INVALID-ORDER-682}\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$. 381
$10.68 \text{$X$-INVALID-ORDER-} 683 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots \dots$. 381

$10.68 \text{ χ-INVALID-ORDER-} 684 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $
$10.68 \times \text{INVALID-ORDER-} 685 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
10.68 X-INVALID-ORDER-686 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6\right)$
10.68\%\text{T-INVALID-ORDER-687} $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$
10.68\&-INVALID-ORDER-688 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.68 X-INVALID-ORDER-689 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.69 \text{$\mathbb{X}$-INVALID-ORDER-690} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $
$10.69 \text{K-INVALID-ORDER-} 691 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) $
$10.69 \text{\%-INVALID-ORDER-} 692 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots \qquad 382 $
$10.69 \text{X-INVALID-ORDER-} 693 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)^{\frac{1}{2}} \dots $
10.69 X -INVALID-ORDER-694 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.69 X-INVALID-ORDER-695 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
$10.69 \%-INVALID-ORDER-696 \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ R_{3}, \ \frac{1}{C_{4}s}, \ R_{5}, \ \frac{R_{6}}{C_{6}R_{6}s+1}\right) \qquad . \qquad $
$10.69\text{\%-INVALID-ORDER-}697\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ R_3,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
10.69\Lines-Invalid-Order-698 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.69\Linestit -Invalid-Order-699 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.70 \text{ X-INVALID-ORDER-} 700 \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ R_{3}, \ \frac{1}{C_{4}s}, \ R_{5} + \frac{1}{C_{5}s}, \ R_{6} + \frac{1}{C_{6}s}\right) \dots \qquad 382$
$10.70 \text{K-INVALID-ORDER-} 701 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $
$10.70 \mathbf{X}\text{-INVALID-ORDER-}702 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots \qquad \qquad$
10.70 X -INVALID-ORDER-703 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
$10.70 \text{ \%-INVALID-ORDER-704 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . \qquad $
10.70 X-INVALID-ORDER-705 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
$10.70 \text{ \%-INVALID-ORDER-706 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
$10.70\mathbf{X}\text{-INVALID-ORDER-}707\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ R_3,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \qquad 383$
10.70\Lines-INVALID-ORDER-708 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.70 X-INVALID-ORDER-709 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.71 X-INVALID-ORDER-710 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.71 \text{K-INVALID-ORDER-711} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $
10.71 \mathbf{X} -INVALID-ORDER-712 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.71 X-INVALID-ORDER-713 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.71 X-INVALID-ORDER-714 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.71 X-INVALID-ORDER-715 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.71 X -INVALID-ORDER-716 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
10.71 X -INVALID-ORDER-717 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
10.71 X-INVALID-ORDER-718 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
10.71 X-INVALID-ORDER-719 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$
$10.72 \text{N-INVALID-ORDER-} 720 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \qquad . \qquad $
$10.72 \text{K-INVALID-ORDER-721} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $
$10.72\mathbf{X}\text{-INVALID-ORDER-722}\ Z(s) = \left(\frac{1}{C_{1}s},\ R_{2},\ R_{3},\ \frac{R_{4}}{C_{4}R_{4}s+1},\ R_{5},\ \frac{R_{6}}{C_{6}R_{6}s+1}\right)$
10.72 X -INVALID-ORDER-723 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

10.72 X -INVALID-ORDER-724 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 385
$10.72 \%-INVALID-ORDER-725 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 385
$10.72 \% - \text{INVALID-ORDER-} 726 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad \dots $. 385
$10.72 \text{$\mathbb{X}$-INVALID-ORDER-727} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 385
$10.72 \$-INVALID-ORDER-728 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots $. 385
$10.72 \% - \text{INVALID-ORDER-} 729 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 385
$10.73 \text{ (X-INVALID-ORDER-730 } Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ R_{3}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \frac{R_{5}}{C_{5}R_{5}s+1}, \ \frac{R_{6}}{C_{6}R_{6}s+1}\right) \dots \dots$. 385
10.73K-INVALID-ORDER-731 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$. 386
10.73 X -INVALID-ORDER-732 $Z(s) = \left(\frac{1}{C_{1}s}, R_2, \frac{1}{C_{3}s}, R_4, R_5, \frac{1}{C_{6}s}\right)$. 386
10.73 X-INVALID-ORDER-733 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 386
10.73 X-INVALID-ORDER-734 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$. 386
10.73 X-INVALID-ORDER-735 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 386
10.73 X-INVALID-ORDER-736 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 386
$10.73 \text{\%-INVALID-ORDER-} 737 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 386
10.73\LID-ORDER-738 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_5 R_5 s+1}, R_6\right)$. 386
10.73\(\mathbb{X}\)-INVALID-ORDER-739 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right)$. 386
$10.74 \text{ (X-INVALID-ORDER-740 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $. 386
10.74K-INVALID-ORDER-741 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$. 387
10.74 X -INVALID-ORDER-742 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right)$. 387
10.74 X -INVALID-ORDER-743 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 387
10.74 X -INVALID-ORDER-744 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right)$. 387
10.74 X-INVALID-ORDER-745 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 387
10.74 X-INVALID-ORDER-746 $Z(s) = \left(\frac{1}{C_{1}s}, R_2, \frac{1}{C_{3}s}, \frac{1}{C_{4}s}, \frac{1}{C_{5}s}, R_6 + \frac{1}{C_{6}s}\right)$. 387
$10.74 \text{\%-INVALID-ORDER-} 747 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 387
10.74\lefta-INVALID-ORDER-748 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.74%-INVALID-ORDER-749 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 387
$10.75 \text{ ($X$-INVALID-ORDER-750 } Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ \frac{1}{C_{3}s}, \ \frac{1}{C_{4}s}, \ \frac{R_{5}}{C_{5}R_{5}s+1}, \ R_{6} + \frac{1}{C_{6}s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	
10.75 K-INVALID-ORDER-751 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
10.75 X -INVALID-ORDER-752 $Z(s) = \left(\frac{1}{C_{1}s}, R_2, \frac{1}{C_{3}s}, R_4 + \frac{1}{C_{4}s}, R_5, R_6 + \frac{1}{C_{6}s}\right)$	
10.75 X-INVALID-ORDER-753 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$	
10.75 X -INVALID-ORDER-754 $Z(s) = \left(\frac{1}{C_{1s}}, R_2, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right)$. 388
10.75 X-INVALID-ORDER-755 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.75 \(\text{X-INVALID-ORDER-756} \(Z(s) = \big(\frac{1}{C_{1s}}, \ R_2, \ \frac{1}{C_{3s}}, \ R_4 + \frac{1}{C_{4s}}, \ R_5 + \frac{1}{C_{5s}}, \ \frac{1}{C_{6s}} \end{array} \) \qq \qq	
$10.75 \text{\%-INVALID-ORDER-} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	
10.75\&-INVALID-ORDER-758 $Z(s) = \left(\frac{1}{C_{1}s}, \ R_2, \ \frac{1}{C_{3}s}, \ R_4 + \frac{1}{C_{4}s}, \ R_5 + \frac{1}{C_{5}s}, \ \frac{R_6}{C_6R_6s+1}\right)^{\prime}$	
10.75% - INVALID-ORDER-759 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
10.76 X-INVALID-ORDER-760 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	
$10.76 \text{X-INVALID-ORDER-} 761 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$. 389
10.76 X-INVALID-ORDER-762 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$. 389
10.76 X -INVALID-ORDER-763 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$. 389

$10.76 \text{\&-INVALID-ORDER-} 764 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	89
10.76 X-INVALID-ORDER-765 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	89
$10.76\% - INVALID-ORDER-766 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $	89
$10.76\text{X-INVALID-ORDER-}767\ Z(s) = \left(\frac{1}{C_{1}s},\ R_{2},\ \frac{1}{C_{3}s},\ \frac{R_{4}}{C_{4}R_{4}s+1},\ \frac{1}{C_{5}s},\ R_{6} + \frac{1}{C_{6}s}\right) \qquad . \qquad $	89
$10.76 \text{X-INVALID-ORDER-} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	89
$10.76\%-\text{INVALID-ORDER-}769\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ \frac{1}{C_3 s},\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$	89
$10.77 \text{N-INVALID-ORDER-} \ To \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots \ $	89
$10.77 \text{K-INVALID-ORDER-} 771 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	90
10.77 X -INVALID-ORDER-772 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$	90
10.77 X -INVALID-ORDER-773 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	90
10.77 X -INVALID-ORDER-774 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	90
10.77\frac{\text{X}}-INVALID-ORDER-775 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	90
$10.77\%-\text{INVALID-ORDER-}776\ Z(s) = \left(\frac{1}{C_{1s}},\ R_2,\ R_3 + \frac{1}{C_{3s}},\ R_4,\ R_5 + \frac{1}{C_{5s}},\ \frac{R_6}{C_6R_6s+1}\right) \qquad . \qquad $	90
10.77 X -INVALID-ORDER-777 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	90
10.77\lambda-INVALID-ORDER-778 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	90
10.77%-INVALID-ORDER-779 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	90
10.78 X-INVALID-ORDER-780 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	90
10.78K-INVALID-ORDER-781 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	91
$10.78\mathbf{X}\text{-INVALID-ORDER-}782\ Z(s) = \left(\frac{1}{C_{1s}},\ R_2,\ R_3 + \frac{1}{C_{3s}},\ \frac{1}{C_{4s}},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right) $	91
10.78 X -INVALID-ORDER-783 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	91
10.78 X -INVALID-ORDER-784 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	91
10.78 X-INVALID-ORDER-785 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	91
10.78 X-INVALID-ORDER-786 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	91
$10.78\text{X-INVALID-ORDER-}787\ Z(s) = \left(\frac{1}{C_{1}s},\ R_{2},\ R_{3} + \frac{1}{C_{3}s},\ \frac{1}{C_{4}s},\ R_{5} + \frac{1}{C_{5}s},\ \frac{R_{6}}{C_{6}R_{6}s + 1}\right) \qquad . \qquad $	91
10.78 X-INVALID-ORDER-788 $Z(s) = \left(\frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
$10.78 \%-\text{INVALID-ORDER-}789 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$10.79 \text{$\mathbb{X}$-INVALID-ORDER-790 } Z(s) = \left(\frac{1}{C_{1s}}, \ R_2, \ R_3 + \frac{1}{C_{3s}}, \ \frac{1}{C_4s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $	
$10.79 \text{K-INVALID-ORDER-791 } Z(s) = \left(\frac{1}{C_{1}s}, \ R_2, \ R_3 + \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ R_5, \ \frac{1}{C_6s}\right) \dots $	
10.79\mathbb{X}-INVALID-ORDER-792 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	92
10.79 X-INVALID-ORDER-793 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$	
$10.79 \text{$\mathbb{Z}$-INVALID-ORDER-794 } Z(s) = \left(\frac{1}{C_{1s}}, \ R_2, \ R_3 + \frac{1}{C_{3s}}, \ R_4 + \frac{1}{C_{4s}}, \ \frac{1}{C_{5s}}, \ R_6\right) \qquad . \qquad $	
10.79 X-INVALID-ORDER-795 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
$10.79 \&-\text{INVALID-ORDER-796} \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_2, \ R_3 + \frac{1}{C_{3}s}, \ R_4 + \frac{1}{C_{4}s}, \ \frac{1}{C_{5}s}, \ R_6 + \frac{1}{C_{6}s}\right) \qquad . \qquad $	
$10.79\text{\%-INVALID-ORDER-}797\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ R_3 + \frac{1}{C_3 s},\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s + 1}\right)^{-1} $	
10.79\Linesday-INVALID-ORDER-798 $Z(s) = \left(\frac{1}{C_{1}s}, R_2, R_3 + \frac{1}{C_{3}s}, R_4 + \frac{1}{C_{4}s}, R_5 + \frac{1}{C_{5}s}, R_6\right)$	
10.79\X-INVALID-ORDER-799 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
$10.80 \text{M-INVALID-ORDER-800} \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ R_{3} + \frac{1}{C_{3}s}, \ R_{4} + \frac{1}{C_{4}s}, \ R_{5} + \frac{1}{C_{6}s}, \ R_{6} + \frac{1}{C_{6}s} \right) \qquad . \qquad $	
$10.80 \text{K-INVALID-ORDER-801} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)^{-1} \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
$10.80\mathbf{X}\text{-INVALID-ORDER-802}\ Z(s) = \left(\frac{1}{C_{1}s},\ R_{2},\ R_{3} + \frac{1}{C_{3}s},\ R_{4} + \frac{1}{C_{4}s},\ \frac{R_{5}}{C_{5}R_{5}s+1},\ R_{6}\right)$	
10.80 X -INVALID-ORDER-803 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	93

$10.80 \text{ \%-INVALID-ORDER-804 } Z(s) = \left(\frac{1}{C_{1}s}, \ R_2, \ R_3 + \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ R_6 + \frac{1}{C_6s}\right) \ \dots $. 393
$10.80 \%-INVALID-ORDER-805 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . \qquad $. 393
$10.80\%-\text{INVALID-ORDER-806}\ Z(s) = \left(\frac{1}{C_{1}s},\ R_{2},\ R_{3} + \frac{1}{C_{3}s},\ \frac{R_{4}}{C_{4}R_{4}s+1},\ R_{5},\ \frac{1}{C_{6}s}\right)\ \dots \dots$. 393
$10.80 \text{X-INVALID-ORDER-807} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \qquad \dots $. 393
$10.80 \$ - \text{INVALID-ORDER-808} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $. 393
$10.80 \% - INVALID-ORDER - 809 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 393
10.81 X-INVALID-ORDER-810 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 393
$10.81 \text{ X-INVALID-ORDER-811 } Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ R_{3} + \frac{1}{C_{3}s}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ R_{5} + \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s}\right) \dots $. 394
$10.81 \text{ \%-INVALID-ORDER-812 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 394
10.81 X-INVALID-ORDER-813 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 394
$10.81 \text{ \%-INVALID-ORDER-814 } Z(s) = \left(\frac{1}{C_{1s}}, \ R_2, \ R_3 + \frac{1}{C_{3s}}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots \dots$. 394
$10.81 \%-INVALID-ORDER-815 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $. 394
$10.81 \% - INVALID-ORDER - 816 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ldots $. 394
10.81\mathbb{X}-INVALID-ORDER-817 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5, \ \frac{1}{C_6 s}\right)$. 394
10.81 X-INVALID-ORDER-818 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 394
10.81 X-INVALID-ORDER-819 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$. 394
$10.82 \text{N-INVALID-ORDER-820} \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ R_{4}, \ \frac{1}{C_{5}s}, \ \frac{R_{6}}{C_{6}R_{6}s+1}\right) \dots $. 394
$10.82 \text{K-INVALID-ORDER-821} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 395
$10.82 \mathbf{X}\text{-INVALID-ORDER-822} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots \ $. 395
10.82 X-INVALID-ORDER-823 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 395
$10.82 X-INVALID-ORDER-824 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $. 395
$10.82 X-INVALID-ORDER-825 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots $. 395
$10.82 \% - \text{INVALID-ORDER-826} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 395
$10.82 \text{$\mathbb{X}$-INVALID-ORDER-827} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots \ $. 395
10.82\mathbb{X}-INVALID-ORDER-828 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right)$. 395
10.82%-INVALID-ORDER-829 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 395
10.83 X-INVALID-ORDER-830 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)^{\prime}$	
$10.83 \text{K-INVALID-ORDER-831} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $	
10.83 X -INVALID-ORDER-832 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 396
10.83 X -INVALID-ORDER-833 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.83\(\frac{1}{2}\)-INVALID-ORDER-834 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right)$	
10.83 X-INVALID-ORDER-835 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	
$10.83\%-INVALID-ORDER-836\ Z(s) = \left(\frac{1}{C_{1}s},\ R_{2},\ \frac{R_{3}}{C_{3}R_{3}s+1},\ \frac{1}{C_{4}s},\ \frac{R_{5}}{C_{5}R_{5}s+1},\ \frac{1}{C_{6}s}\right)$. 396
$10.83\text{\%-INVALID-ORDER-837}\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)\ \dots$. 396
10.83\left[NVALID-ORDER-838] $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)'$	
10.83%-INVALID-ORDER-839 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 396
$10.84\%-\text{INVALID-ORDER-840}\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_6 s}\right)\ \dots$. 396
$10.84 \text{K-INVALID-ORDER-841} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 397
$10.84\mathbf{X}\text{-INVALID-ORDER-842}\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $. 397
10.84 X -INVALID-ORDER-843 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 397

$10.84 X-INVALID-ORDER-844 \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_{2}, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ R_{4} + \frac{1}{C_{4}s}, \ \frac{1}{C_{6}s}, \ \frac{1}{C_{6}s}\right) \ \dots $. 397
$10.84 \%-INVALID-ORDER-845 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 397
$10.84\%-INVALID-ORDER-846\ Z(s) = \left(\frac{1}{C_1s},\ R_2,\ \frac{R_3}{C_3R_3s+1},\ R_4 + \frac{1}{C_4s},\ \frac{1}{C_6s},\ \frac{R_6}{C_6R_6s+1}\right)\ .$. 397
$10.84\text{\%-INVALID-ORDER-847}\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ \frac{R_3}{C_3 R_3 s + 1},\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_6\right)$. 397
10.84\lefta-INVALID-ORDER-848 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_5 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right)$. 397
$10.84 \% - INVALID-ORDER - 849 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_5 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 397
$10.85 \text{ (X-INVALID-ORDER-850 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad \dots $. 397
$10.85 \text{K-INVALID-ORDER-} 851 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \dots $. 398
$10.85\mathbf{X}\text{-INVALID-ORDER-}852\ Z(s) = \left(\frac{1}{C_{1s}},\ R_{2},\ \frac{R_{3}}{C_{3}R_{3}s+1},\ R_{4} + \frac{1}{C_{4s}},\ \frac{R_{5}}{C_{5}R_{5}s+1},\ \frac{1}{C_{6s}}\right)\ \dots$. 398
10.85 X -INVALID-ORDER-853 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$. 398
$10.85 \& \text{-INVALID-ORDER-854} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $. 398
10.85 X-INVALID-ORDER-855 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{1}{C_6 s}\right)$. 398
$10.85 \% - INVALID-ORDER - 856 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 398
$10.85\mathbf{X}\text{-INVALID-ORDER-857}\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \frac{R_4}{C_4 R_4 s+1},\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)\ \dots$. 398
$10.85 \$ - INVALID-ORDER - 858 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $. 398
10.85 % -INVALID-ORDER-859 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 398
$10.86 \text{N-INVALID-ORDER-} \ 2(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $. 398
$10.86 \text{X-INVALID-ORDER-861} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $. 399
$10.86\mathbf{X}\text{-INVALID-ORDER-862}\ Z(s) = \left(\frac{1}{C_1 s},\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \frac{R_4}{C_4 R_4 s+1},\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots \ $. 399
$10.86 X-INVALID-ORDER-863 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right)$. 399
$10.86 \text{\&-INVALID-ORDER-864} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 399
$10.86 \text{X-INVALID-ORDER-865} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $. 399
10.86 X-INVALID-ORDER-866 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$. 399
10.86 X -INVALID-ORDER-867 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$. 399
10.86\Lines-Invalidation-ORDER-868 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 399
$10.86\%-\text{INVALID-ORDER-869} \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	
10.87 X-INVALID-ORDER-870 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$	
10.87 K -INVALID-ORDER-871 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.87 X -INVALID-ORDER-872 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 400
10.87 X -INVALID-ORDER-873 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 400
10.87 X -INVALID-ORDER-874 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.87 X-INVALID-ORDER-875 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.87 X-INVALID-ORDER-876 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.87 X -INVALID-ORDER-877 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	
10.87\lefta-INVALID-ORDER-878 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	
10.87%-INVALID-ORDER-879 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$. 400
$10.88 \text{ ($C_1$ & C_2 & $C_5 R_5 S^{+1}$ & $C_6 R_5 S^{+1}$)}$ $10.88 \text{ ($C_1$ & C_2 & $C_5 R_5 S^{+1}$ & $C_6 R_5 S^{+1}$)}$ $10.88 \text{ ($C_1$ & C_2 & $C_5 R_5 S^{+1}$ & $C_6 R_5 S^{+1}$)}$ $10.88 \text{ ($C_1$ & C_2 & $C_5 R_5 S^{+1}$ & $C_6 R_5 S^{+1}$)}$	
10.88 K -INVALID-ORDER-881 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 401
10.88 X -INVALID-ORDER-882 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 401
$10.88 \text{X-INVALID-ORDER-883} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 401

10.88\Lambda-INVALID-ORDER-884 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	40
10.88 X-INVALID-ORDER-885 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	40
10.88 X-INVALID-ORDER-886 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	40
10.88 X -INVALID-ORDER-887 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	40
10.88 X-INVALID-ORDER-888 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	40
10.88%-INVALID-ORDER-889 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	40
10.89 X-INVALID-ORDER-890 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_5 R_5 s+1}, R_6\right)$	40
$10.89 \text{X-INVALID-ORDER-891} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	40
10.89 X -INVALID-ORDER-892 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	40
10.89 X -INVALID-ORDER-893 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_5 R_5 s+1}, \frac{R_6}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$	405
10.89 X -INVALID-ORDER-894 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	405
10.89 X-INVALID-ORDER-895 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	405
10.89 X-INVALID-ORDER-896 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	405
$10.89\text{X-INVALID-ORDER-897} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	405
10.89 X-INVALID-ORDER-898 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	409
10.89%-INVALID-ORDER-899 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	405
10.90 X-INVALID-ORDER-900 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	409
$10.90 \text{K-INVALID-ORDER-901 } Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right) $	40
10.90 X -INVALID-ORDER-902 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	403
10.90 X -INVALID-ORDER-903 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	40
10.90 X-INVALID-ORDER-904 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	40
$10.90 \text{X-INVALID-ORDER-905} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $	40
10.90 X-INVALID-ORDER-906 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	40
$10.90\text{X-INVALID-ORDER-}907\ Z(s) = \left(\frac{1}{C_1 s},\ \frac{1}{C_2 s},\ R_3,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	40
10.90 X-INVALID-ORDER-908 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$.	40
$10.90 \text{X-INVALID-ORDER-909} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6\right) \qquad \dots $	403
10.91 X-INVALID-ORDER-910 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	403
10.91 X -INVALID-ORDER-911 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	40
$10.91\text{X-INVALID-ORDER-912} \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) $ $10.91\text{X-INVALID-ORDER-913} \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right) $	40
10.91 X-INVALID-ORDER-913 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$	404
10.91 X -INVALID-ORDER-914 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	40
10.91 X-INVALID-ORDER-915 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	404
10.91 X-INVALID-ORDER-916 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	40
$10.91\text{X-INVALID-ORDER-917} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	404
10.91 X-INVALID-ORDER-918 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	40
$10.91 \text{X-INVALID-ORDER-919} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	40
10.92 X-INVALID-ORDER-920 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right) \dots$	40
10.92 K -INVALID-ORDER-921 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	40
10.92 X -INVALID-ORDER-922 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	40
10.92 X -INVALID-ORDER-923 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C$	40

10.92\(\mathbb{X}\)-INVALID-ORDER-924 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_6 s}\right)$	40
10.92 X-INVALID-ORDER-925 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	40
10.92 X-INVALID-ORDER-926 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	40
10.92 X -INVALID-ORDER-927 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	405
10.92 X-INVALID-ORDER-928 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	40
10.92 X-INVALID-ORDER-929 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	40
10.93 X-INVALID-ORDER-930 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	40
$10.93 \text{X-INVALID-ORDER-931} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	400
10.93 X -INVALID-ORDER-932 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	400
10.93 X -INVALID-ORDER-933 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$	400
10.93 X -INVALID-ORDER-934 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	406
10.93 X-INVALID-ORDER-935 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	400
10.93 X-INVALID-ORDER-936 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{R_6}\right)$	406
10.93 X -INVALID-ORDER-937 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	400
10.93\&-INVALID-ORDER-938 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	400
10.93 X -INVALID-ORDER-939 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	400
10.94 X-INVALID-ORDER-940 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, R_6\right)$	400
$10.94 \text{X-INVALID-ORDER-941} \ Z(s) = \left(\frac{1}{C_{1}s}, \ \frac{1}{C_{2}s}, \ \frac{1}{C_{3}s}, \ \frac{1}{C_{4}s}, \ R_{5} + \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s}\right) \dots $	40'
$10.94\text{X-INVALID-ORDER-942} \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{1}{C_{2s}}, \ \frac{1}{C_{3s}}, \ \frac{1}{C_{4s}}, \ R_5 + \frac{1}{C_{5s}}, \ R_6 + \frac{1}{C_{6s}}\right) \dots $	40'
10.94 X -INVALID-ORDER-943 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	40'
10.94 X -INVALID-ORDER-944 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	40'
$10.94 \text{X-INVALID-ORDER-945} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	40'
10.94\&Tinvalidation-Invalidation-ORDER-946 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_6 s}\right)$	40'
$10.94\text{X-INVALID-ORDER-947} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	40'
10.94%-INVALID-ORDER-948 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$	40'
10.94%-INVALID-ORDER-949 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & R_4 + \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & R_6 \end{pmatrix} \dots$	40'
10.95 X-INVALID-ORDER-950 $Z(s) = \left(\frac{1}{C_{1}s}, \frac{1}{C_{2}s}, \frac{1}{C_{3}s}, R_{4} + \frac{1}{C_{4}s}, \frac{1}{C_{5}s}, \frac{1}{C_{6}s}\right)$	40'
10.95 K -INVALID-ORDER-951 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, \frac{1}{C_{5s}}, R_4 + \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, R_6 + \frac{1}{C_{6s}}\right)$	408
$ \begin{array}{l} 10.95 \textbf{X}\text{-INVALID-ORDER-952} \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{1}{C_{2s}}, \ \frac{1}{C_{3s}}, \ R_4 + \frac{1}{C_{4s}}, \ R_5 + \frac{1}{C_{5s}}, \ \frac{1}{C_{6s}}\right) \\ 10.95 \textbf{X}\text{-INVALID-ORDER-953} \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{1}{C_{2s}}, \ \frac{1}{C_{3s}}, \ R_4 + \frac{1}{C_{4s}}, \ R_5 + \frac{1}{C_{5s}}, \ R_6 + \frac{1}{C_{6s}}\right) \\ 10.95 \textbf{X}\text{-INVALID-ORDER-954} \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{1}{C_{2s}}, \ \frac{1}{C_{3s}}, \ R_4 + \frac{1}{C_{4s}}, \ R_5 + \frac{1}{C_{5s}}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \\ \end{array} $	408
10.95 % -INVALID-ORDER-953 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, \frac{1}{R_4} + \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, R_6 + \frac{1}{C_{6s}}\right)$	408
$10.95 \text{\&-INVALID-ORDER-} 954 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	408
10.95 X -INVALID-ORDER-955 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s} \end{pmatrix} \dots $	408
10.95 X-INVALID-ORDER-956 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_3 s}, \frac{1}{C_5 R_5 s+1}, \frac{1}{R_6}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{R_6}, \frac{1}{C_6 s}\right)$	408
$10.95 \text{X-INVALID-ORDER-957 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	408
10.95%-INVALID-ORDER-958 $Z(s) = \left(\frac{1}{C_1s}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$	408
$10.95 \%-\text{INVALID-ORDER-959} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	408
$10.96 \times \text{INVALID-ORDER-} 960 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right) $	408
10.96 X -INVALID-ORDER-961 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	409
$10.96 \textbf{X}-\text{INVALID-ORDER-}962 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	409
10.90 A-IN VALID-UKDEK-905 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{R_6} + \frac{1}{C_6 s}\right)$	409

10.96 X -INVALID-ORDER-964 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
$10.96 X-INVALID-ORDER-965 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right) \dots \dots$
10.96 X-INVALID-ORDER-966 $Z(s) = \begin{pmatrix} 1 & 1 & 1 & 1 \\ \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$
$10.96\text{X-INVALID-ORDER-}967 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right) $
10.96*\frac{1}{C_1 s} \frac{1}{C_2 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s} \frac{1}{C_6 s} \fr
10.96 % -INVALID-ORDER-969 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_2 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.97 X-INVALID-ORDER-970 $Z(s) = \left(\frac{1}{C_{18}}, \frac{1}{C_{28}}, R_3 + \frac{1}{C_{38}}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.97K-INVALID-ORDER-971 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.97 X -INVALID-ORDER-972 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.97 X -INVALID-ORDER-973 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.97 X-INVALID-ORDER-974 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.97\frac{\frac{1}{3}}{10.97}\frac{1}{3}}-INVALID-ORDER-975 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.97 X-INVALID-ORDER-976 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
$10.97\text{X-INVALID-ORDER-977} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
10.97\&-INVALID-ORDER-978 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.97 \ \(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_4 s}, \frac{1}{C_6 s} \) \(\frac{1}{C_6 s},
10.98 X-INVALID-ORDER-980 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
$10.98 \text{X-INVALID-ORDER-981} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
10.98 X -INVALID-ORDER-982 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.98 X -INVALID-ORDER-983 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.98 X -INVALID-ORDER-984 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.98 X-INVALID-ORDER-985 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.98 X-INVALID-ORDER-986 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.98\text{X-INVALID-ORDER-}987\ Z(s) = \left(\frac{1}{C_1s},\ \frac{1}{C_2s},\ R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)\ \dots \qquad $
10.98\&\text{N-INVALID-ORDER-988} $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
10.98%-INVALID-ORDER-989 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
$10.98 \text{X-INVALID-ORDER-988 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_{6s}}\right) \dots $ $10.98 \text{X-INVALID-ORDER-989 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_{6s}}\right) \dots $ $10.99 \text{X-INVALID-ORDER-990 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right) \dots $ $40.99 \text{X-INVALID-ORDER-990 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right) \dots $
10.99K-INVALID-ORDER-991 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
10.99 X -INVALID-ORDER-992 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.99 X -INVALID-ORDER-993 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.99 X-INVALID-ORDER-994 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$
10.99 X-INVALID-ORDER-995 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.99 X-INVALID-ORDER-996 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.99\text{X-INVALID-ORDER-997} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
10.99 X-INVALID-ORDER-998 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.99 X -INVALID-ORDER-999 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.10 \mathfrak{M} \text{INVALID-ORDER-1000 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, R_6 + \frac{1}{C_{6s}}\right) \qquad . \qquad $
$10.10 \times 10.10 \times 10.1$
10.10 X2 INVALID-ORDER-1002 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
$10.10 $ INVALID-ORDER-1003 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \dots $

$10.10 \% 1 \text{NVALID-ORDER-} 1004 \ Z(s) = \left(\frac{1}{C_{1}s}, \ \frac{1}{C_{2}s}, \ R_{3} + \frac{1}{C_{3}s}, \ R_{4} + \frac{1}{C_{4}s}, \ \frac{R_{5}}{C_{5}R_{5}s+1}, \ R_{6} + \frac{1}{C_{6}s}\right) \ \dots \ $	413
$10.10 \mathfrak{A}5 \text{INVALID-ORDER-1005} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	413
10.10 % INVALID-ORDER-1006 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	41:
10.10 X7 INVALID-ORDER-1007 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	413
10.10 08 INVALID-ORDER-1008 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	41:
10.10 X9 INVALID-ORDER-1009 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	413
10.10 M INVALID-ORDER-1010 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	41:
10.10 XI-INVALID-ORDER-1011 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	414
10.10 X2 INVALID-ORDER-1012 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	414
10.10 B INVALID-ORDER-1013 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	414
$10.10 \text{ X4INVALID-ORDER-} 1014 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) $	414
10.10 X5 INVALID-ORDER-1015 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	414
$10.10 \text{NG-INVALID-ORDER-1016} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	414
10.10 K FINVALID-ORDER-1017 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6\right)$	414
10.10 X SINVALID-ORDER-1018 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, \frac{1}{C_6 s}\right)$	414
10.10 X9 INVALID-ORDER-1019 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	414
10.10 20 INVALID-ORDER-1020 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$	414
10.10 XI -INVALID-ORDER-1021 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6\right)$	41
10.10 22 INVALID-ORDER-1022 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	41
10.10 23 INVALID-ORDER-1023 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	41
$10.10 \text{X4INVALID-ORDER-} 1024 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{1}{C_{2s}}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	41
10.10 25 INVALID-ORDER-1025 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	41
10.10 26 INVALID-ORDER-1026 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	41
$10.10 \text{X7INVALID-ORDER-} 1027 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) $	41
10.10 28 INVALID-ORDER-1028 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	41
10.10 29 INVALID-ORDER-1029 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	41
$10.1030 \text{ INVALID-ORDER-} 1030 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . $	41
10.10 3 I-INVALID-ORDER-1031 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, R_6\right)$	416
$10.1032 \text{INVALID-ORDER-} 1032 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $ $10.1033 \text{INVALID-ORDER-} 1033 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $	416
10.1033 INVALID-ORDER-1033 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	416
10.10 34 INVALID-ORDER-1034 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)'$	416
10.1035 INVALID-ORDER-1035 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	416
10.1036 INVALID-ORDER-1036 $Z(s) = \left(\frac{1}{C_{1}s}, \frac{1}{C_{2}s}, \frac{R_{3}}{C_{3}R_{3}s+1}, \frac{1}{C_{4}s}, \frac{1}{C_{5}s}, \frac{1}{C_{6}s}\right)$	410
10.1037 INVALID-ORDER-1037 $Z(s) = \begin{pmatrix} \frac{1}{C_{1s}}, & \frac{1}{C_{2s}}, & \frac{R_3}{C_3R_3s+1}, & \frac{1}{C_4s}, & \frac{1}{C_5s}, & R_6 + \frac{1}{C_6s} \end{pmatrix}$	410
10.1038 INVALID-ORDER-1038 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	410
$10.10339 \text{INVALID-ORDER-} 1039 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $ $10.10339 \text{INVALID-ORDER-} 1040 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) $	416
10.1040 INVALID-ORDER-1040 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{n_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{n_6}{C_6 R_6 s + 1}\right)$	410
$10.10 \text{M-INVALID-ORDER-} 1041 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right) \dots \dots$	417
10.10 X2 INVALID-ORDER-1042 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right) \dots$	41'
$10.10 \$S \text{INVALID-ORDER-1043} \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right) $	417

$10.10 \text{ X4-INVALID-ORDER-} 1044 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	417
10.10 25 INVALID-ORDER-1045 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	417
10.10 26 INVALID-ORDER-1046 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	417
10.10 X7 INVALID-ORDER-1047 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	417
10.10 28 INVALID-ORDER-1048 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$	417
10.10 X9 INVALID-ORDER-1049 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	417
10.10 MO INVALID-ORDER-1050 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	417
$10.10 \text{XI-INVALID-ORDER-} 1051 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	418
10.10\$\frac{\text{\$\text{2}}}{\text{INVALID-ORDER-1052}} Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qqqq \qqqqq \qqqqq \qqqqq \qqqqq \qqqqqq	418
10.10 SS INVALID-ORDER-1053 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	418
10.10 X4 INVALID-ORDER-1054 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	418
10.10 35 INVALID-ORDER-1055 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	418
$10.10 \% \text{INVALID-ORDER-} 1056 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \ \dots $	418
10.10 X7 INVALID-ORDER-1057 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	418
10.10 SSINVALID-ORDER-1058 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	418
$10.10 \mathfrak{D} \text{INVALID-ORDER-1059} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $	418
10.10 X INVALID-ORDER-1060 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$	418
$10.10 \text{ Chinvalid-Order} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	419
10.10\&\text{2INVALID-ORDER-1062} $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	419
10.10 SINVALID-ORDER-1063 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$	419
10.10 X INVALID-ORDER-1064 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$	419
10.1085 INVALID-ORDER-1065 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	419
$10.10 \% \text{INVALID-ORDER-} 1066 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad \dots $	419
10.1087INVALID-ORDER-1067 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	419
10.10 SINVALID-ORDER-1068 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	419
$10.1089 \text{INVALID-ORDER-} 1069 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $	419
$10.10\text{NOINVALID-ORDER-}1070\ Z(s) = \left(\frac{1}{C_1 s},\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right) \qquad . \qquad $	419
$10.10\text{X-INVALID-ORDER-}1071\ Z(s) = \left(\frac{1}{C_1s},\ \frac{1}{C_2s},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right) . \qquad .$	420
$10.10 \times 10.10 \times 10.1$	420
$10.10 \% \text{INVALID-ORDER-} 1073 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	420
10.10 TM INVALID-ORDER-1074 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$	420
10.10 % INVALID-ORDER-1075 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$	
10.10 X6 INVALID-ORDER-1076 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.10 X FINVALID-ORDER-1077 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	420
10.10 X SINVALID-ORDER-1078 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	420
10.10 X9 INVALID-ORDER-1079 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	420
10.1080 INVALID-ORDER-1080 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	420
10.10 X INVALID-ORDER-1081 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.10\text{32INVALID-ORDER-1082} $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)$	421
$10.10 \$3 \text{ INVALID-ORDER-} 1083 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	421

10.10 X4 INVALID-ORDER-1084 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	42
10.10 S INVALID-ORDER-1085 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	42
10.10 % INVALID-ORDER-1086 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	42
10.10 X7 INVALID-ORDER-1087 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$	42
10.10 SS INVALID-ORDER-1088 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$	42
10.10 39 INVALID-ORDER-1089 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	42
10.10 SQUINVALID-ORDER-1090 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	42
10.10 XI -INVALID-ORDER-1091 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	425
10.10 2 INVALID-ORDER-1092 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$	425
10.10 SS INVALID-ORDER-1093 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	425
10.10 % 4 INVALID-ORDER-1094 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	425
10.10 \$\frac{1}{2}\$ INVALID-ORDER-1095 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	425
10.10 % INVALID-ORDER-1096 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	425
10.10 % FINVALID-ORDER-1097 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	425
10.10 % INVALID-ORDER-1098 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	425
10.10 39 INVALID-ORDER-1099 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	425
10.1100 INVALID-ORDER-1100 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	425
10.11 XI -INVALID-ORDER-1101 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	423
10.11\text{N2INVALID-ORDER-1102} $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$	423
10.11\mathbb{R}\mathbb{I}\mathbb{R}\mathbb{I}\mathbb{E}\mathbb{R}-1103 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right)$	423
10.11 X4 INVALID-ORDER-1104 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	423
10.11 % INVALID-ORDER-1105 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	423
10.11 % INVALID-ORDER-1106 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	423
10.11 % 7INVALID-ORDER-1107 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	423
10.1108 INVALID-ORDER-1108 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	423
10.1100 INVALID-ORDER-1109 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	423
$10.11 \text{MOINVALID-ORDER-1110 } Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	423
10.11 XI-INVALID-ORDER-1111 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.11 X2 INVALID-ORDER-1112 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	424
10.11 X INVALID-ORDER-1113 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	424
$10.11 \text{ X4} \text{INVALID-ORDER-1114 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	424
10.11 X5 INVALID-ORDER-1115 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	424
10.11 X6 INVALID-ORDER-1116 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	424
$10.11 \text{K-INVALID-ORDER-} 1117 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) $ $10.11 \text{K-INVALID-ORDER-} 1118 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	424
10.11 SINVALID-ORDER-1118 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$	424
10.11 X9 INVALID-ORDER-1119 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	424
10.11 X9 INVALID-ORDER-1119 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	42
10.11 XI -INVALID-ORDER-1121 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	42
10.11 22 INVALID-ORDER-1122 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$	42
10.1123 INVALID-ORDER-1123 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	42

10.11 X4 INVALID-ORDER-1124 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 425
10.11 25 INVALID-ORDER-1125 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 425
10.11 26 INVALID-ORDER-1126 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 425
10.11 27 INVALID-ORDER-1127 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 425
10.1128 INVALID-ORDER-1128 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 425
10.11 29 INVALID-ORDER-1129 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 425
10.1130 INVALID-ORDER-1130 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 425
10.11 XI -INVALID-ORDER-1131 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 426
10.1132 INVALID-ORDER-1132 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 426
10.1133 INVALID-ORDER-1133 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 426
10.11 X4 INVALID-ORDER-1134 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$. 426
10.1135 INVALID-ORDER-1135 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 426
10.11 36 INVALID-ORDER-1136 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 426
10.11 37 -INVALID-ORDER-1137 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 426
10.1138 INVALID-ORDER-1138 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$. 426
10.1139 INVALID-ORDER-1139 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 426
10.11 30 INVALID-ORDER-1140 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 426
10.11 XI -INVALID-ORDER-1141 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 427
10.113\(2\) INVALID-ORDER-1142 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 427
10.11 X3 INVALID-ORDER-1143 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 427
10.11 X4 INVALID-ORDER-1144 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 427
10.11 25 INVALID-ORDER-1145 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 427
10.11 26 INVALID-ORDER-1146 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 427
$C_1s^{\gamma} = C_2s^{\gamma} + C_2s^{\gamma} + C_3s^{\gamma} + C_4s^{\gamma} = C_6R_6s + 1$. 427
10.11 28 INVALID-ORDER-1148 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
10.11389INVALID-ORDER-1149 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 427
10.1150 INVALID-ORDER-1150 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 427
10.11 XI-INVALID-ORDER-1151 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 428
10.11\$\frac{12}{10}\$INVALID-ORDER-1152 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.11\$\mathbb{S}INVALID-ORDER-1153 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.11 \$\frac{14}{24}\$ INVALID-ORDER-1154 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
10.11 \$\frac{1}{8}\$ INVALID-ORDER-1155 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 428
10.11 % INVALID-ORDER-1156 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	
10.11 \$\frac{87}{10.11}\$ INVALID-ORDER-1157 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 428
10.11 SS INVALID-ORDER-1158 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 428
10.11 SO INVALID-ORDER-1159 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 428
10.1180 INVALID-ORDER-1160 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$. 428
10.11 X LID-ORDER-1161 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 429
10.1162 INVALID-ORDER-1162 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 429
$10.1163 \text{ INVALID-ORDER-} 1163 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 429

10.11 X INVALID-ORDER-1164 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	429
10.1185 INVALID-ORDER-1165 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	129
10.1186 INVALID-ORDER-1166 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	129
10.11&7INVALID-ORDER-1167 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	129
10.11 SSINVALID-ORDER-1168 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	129
10.1189 INVALID-ORDER-1169 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	429
10.11 X 0INVALID-ORDER-1170 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	129
$10.11\text{X-INVALID-ORDER-1171}\ Z(s) = \left(\frac{1}{C_1 s},\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . \qquad $	430
10.11 T2 INVALID-ORDER-1172 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	130
10.11 \bar{X} INVALID-ORDER-1173 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	130
$10.11\% \text{INVALID-ORDER-1174} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	130
10.11 % INVALID-ORDER-1175 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	130
10.11 % INVALID-ORDER-1176 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	130
10.11 X -INVALID-ORDER-1177 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	130
10.11 T8 INVALID-ORDER-1178 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	130
10.11 X9 INVALID-ORDER-1179 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	130
10.1180 INVALID-ORDER-1180 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	130
10.11 XI-INVALID-ORDER-1181 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	131
$10.1182 \text{INVALID-ORDER-} 1182 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	131
10.11 S3 INVALID-ORDER-1183 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	131
10.11 \$\text{M4INVALID-ORDER-1184} \ Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right) \qquad \qqqq \qqqqq \qqqqq \qqqqq \qqqqq \qqqqq \qqqqqq	131
10.1185 INVALID-ORDER-1185 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	131
10.11 % INVALID-ORDER-1186 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	131
10.11 \$7 INVALID-ORDER-1187 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.11 SS INVALID-ORDER-1188 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	131
10.1189 INVALID-ORDER-1189 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	131
10.1190 INVALID-ORDER-1190 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.11 XI-INVALID-ORDER-1191 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	132
10.1192 INVALID-ORDER-1192 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	132
10.11 X3 INVALID-ORDER-1193 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	132
10.11 X4 INVALID-ORDER-1194 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.11% INVALID-ORDER-1195 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	132
10.11% INVALID-ORDER-1196 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	132
10.11 % 7INVALID-ORDER-1197 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	132
10.1198 INVALID-ORDER-1198 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$	132
10.1199 INVALID-ORDER-1199 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	132
$10.1200 \text{ INVALID-ORDER-} 1200 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	432
10.12 X INVALID-ORDER-1201 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$	133
10.1202 INVALID-ORDER-1202 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	133
$10.12 \text{NS-INVALID-ORDER-} 1203 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $	133

$10.12 \times 4 \text{INVALID-ORDER-} 1204 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ R_3 + \frac{1}{C_{3s}}, \ \frac{1}{C_6 R_6}, \ \frac{1}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
10.12 05 INVALID-ORDER-1205 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, R_6\right)$
10.12 % INVALID-ORDER-1206 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$
$10.12 \text{ X} \text{INVALID-ORDER-1207 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
10.12 \text{08} INVALID-ORDER-1208 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.12 09 INVALID-ORDER-1209 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
10.12 X OINVALID-ORDER-1210 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
$10.12 \text{XI-INVALID-ORDER-1211} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $
10.12\(\mathbb{R}\) INVALID-ORDER-1212 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1} \right)$
10.12 XBINVALID-ORDER-1213 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
10.12 X4 INVALID-ORDER-1214 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, R_5, \frac{1}{C_{6s}}\right)$
10.12 X5 INVALID-ORDER-1215 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.12 X6 INVALID-ORDER-1216 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.12 XFINVALID-ORDER-1217 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.12\&INVALID-ORDER-1218 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.12 X9 INVALID-ORDER-1219 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.12 X0 INVALID-ORDER-1220 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right)$
10.12 X I-INVALID-ORDER-1221 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.12 X2 INVALID-ORDER-1222 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.12 X3 INVALID-ORDER-1223 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.12 \times 10.12 \times 10.12 \times 10^{-1} = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
10.12 X5 INVALID-ORDER-1225 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
10.12 X6 INVALID-ORDER-1226 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
10.12 X7 INVALID-ORDER-1227 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
10.12 X8 INVALID-ORDER-1228 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$
10.12 X9 INVALID-ORDER-1229 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
10.1230 INVALID-ORDER-1230 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$
10.12 XI -INVALID-ORDER-1231 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.1232 INVALID-ORDER-1232 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$.
$10.1233 \text{ INVALID-ORDER-1233 } Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right) $
10.12 3 4 INVALID-ORDER-1234 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
$10.1234 \text{INVALID-ORDER-} 1234 \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_2 + \frac{1}{C_{2}s}, \ R_3 + \frac{1}{C_{3}s}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{1}{C_5s}, \ \frac{1}{C_6s}\right) $ $10.1235 \text{INVALID-ORDER-} 1235 \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_2 + \frac{1}{C_{2}s}, \ R_3 + \frac{1}{C_{3}s}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{1}{C_5s}, \ R_6 + \frac{1}{C_6s}\right) $ $10.1236 \text{INVALID-ORDER-} 1236 \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_2 + \frac{1}{C_{2}s}, \ R_3 + \frac{1}{C_{3}s}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right) $ 4
10.1236 INVALID-ORDER-1236 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
10.1237 INVALID-ORDER-1237 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.1238 INVALID-ORDER-1238 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_4}{C_6 s}\right)$
10.12 39 INVALID-ORDER-1239 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
$10.12 \text{MOINVALID-ORDER-} 1240 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ R_3 + \frac{1}{C_{3s}}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $
$10.12 \text{XI-INVALID-ORDER-} 1241 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ R_3 + \frac{1}{C_{3s}}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
10.12 X2 INVALID-ORDER-1242 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
10.12 X3 INVALID-ORDER-1243 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$10.12 \text{ $\underline{\mathcal{M}}$ INVALID-ORDER-1244 } Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ R_3 + \frac{1}{C_{3s}}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	43'
10.12 X5 INVALID-ORDER-1245 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$	43'
10.1236 INVALID-ORDER-1246 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$	43'
10.12 X7 INVALID-ORDER-1247 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	43'
10.1238 INVALID-ORDER-1248 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	43'
10.12 39 INVALID-ORDER-1249 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	43'
10.12 NO INVALID-ORDER-1250 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	43'
10.12 XI-INVALID-ORDER-1251 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	438
10.12 X2 INVALID-ORDER-1252 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	438
10.12 SS INVALID-ORDER-1253 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	438
10.12 X4 INVALID-ORDER-1254 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	438
10.12 S INVALID-ORDER-1255 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	438
10.12 36 INVALID-ORDER-1256 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	438
10.12 X7 INVALID-ORDER-1257 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	438
10.12 SINVALID-ORDER-1258 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	438
10.12 SO INVALID-ORDER-1259 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	438
10.1280 INVALID-ORDER-1260 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_{4s}}, R_5, R_6\right)$	438
10.12 XI-INVALID-ORDER-1261 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	439
10.1282 INVALID-ORDER-1262 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	439
$10.12 \text{ (S)} INVALID-ORDER-1263 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	439
$10.12\text{ \%4 INVALID-ORDER-} 1264 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ \frac{R_3}{C_3R_3s+1}, \ \frac{1}{C_4s}, \ \frac{1}{C_5s}, \ \frac{1}{C_6s}\right) \dots $	439
10.1285 INVALID-ORDER-1265 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	439
$10.1286 \text{ INVALID-ORDER-} 1266 \ Z(s) = \left(\frac{1}{C_{1}s}, \ R_2 + \frac{1}{C_{2}s}, \ \frac{R_3}{C_3R_3s+1}, \ \frac{1}{C_4s}, \ \frac{R_6}{C_6R_6s+1}\right) \qquad \dots $	439
$10.12 \text{ \mathbb{Z} INVALID-ORDER-1267 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \qquad \dots $	439
10.1288 INVALID-ORDER-1268 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	439
10.1289 INVALID-ORDER-1269 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$10.12 \text{MOINVALID-ORDER-} 1270 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \qquad \dots $	439
$10.12\text{XI-INVALID-ORDER-}1271 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) $	440
10.12 X 2INVALID-ORDER-1272 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	440
$10.12 \% \text{INVALID-ORDER-} 1273 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	440
$10.12 \text{ M INVALID-ORDER-1274 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right)' \dots \dots$	
10.12 X5 INVALID-ORDER-1275 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	
10.12 X 6INVALID-ORDER-1276 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
$10.12 \text{ \overline{X}} \text{INVALID-ORDER-1277 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s} \right) \dots $	440
$10.12\% \text{INVALID-ORDER-} 1278 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	440
$10.12 \Re \text{INVALID-ORDER-} 1279 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \ R_6\right) $ $10.12 \Re \text{INVALID-ORDER-} 1280 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) $	440
10.1280 INVALID-ORDER-1280 $Z(s) = \left(\frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots$	440
10.12 XI-INVALID-ORDER-1281 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	44
10.12 SQ INVALID-ORDER-1282 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)^{-1}$	44
$10.12 \$3 \text{ INVALID-ORDER-1283 } Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right) \dots \dots$	44

10.12 X4 INVALID-ORDER-1284 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	44
10.12 Stinvalide ORDER-1285 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	44.
10.12 % INVALID-ORDER-1286 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	44.
10.12 %7 INVALID-ORDER-1287 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	44
10.12 SINVALID-ORDER-1288 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	44
10.12 89 INVALID-ORDER-1289 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	44
$10.12 \mathfrak{M} \text{INVALID-ORDER-1290 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	44
10.12 XI -INVALID-ORDER-1291 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$	44:
10.12 NVALID-ORDER-1292 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{1}{C_6 s}\right)$	44:
10.12 X3 INVALID-ORDER-1293 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	44:
$10.12\%4 \text{INVALID-ORDER-} 1294 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $	44:
10.12 % INVALID-ORDER-1295 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	44
10.12% INVALID-ORDER-1296 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	44
$10.12 \% \text{TINVALID-ORDER-1297 } Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	44
10.1238 INVALID-ORDER-1298 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	44
10.12 39 INVALID-ORDER-1299 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	44
10.13 X 0INVALID-ORDER-1300 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	445
$10.13 \text{XI-INVALID-ORDER-1301} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $	443
10.13\mathbb{Q}:INVALID-ORDER-1302 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	443
10.1303 INVALID-ORDER-1303 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	443
$10.13 X4 INVALID-ORDER-1304 \ Z(s) = \left(\frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ \frac{R_3}{C_3 R_{3s+1}}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	443
$10.1305 \text{ INVALID-ORDER-1305 } Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	443
10.1306 INVALID-ORDER-1306 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$	44
10.130X7INVALID-ORDER-1307 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	443
10.13 NS INVALID-ORDER-1308 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.13 NO INVALID-ORDER-1309 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	443
10.13 NO INVALID-ORDER-1310 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	443
10.13 XI-INVALID-ORDER-1311 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	44
10.13 XINVALID-ORDER-1312 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	44
$10.13 \text{KS} \text{INVALID-ORDER-1313} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	444
10.13 X4 INVALID-ORDER-1314 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	444
10.13 No INVALID-ORDER-1315 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	444
$10.13 \% \text{INVALID-ORDER-1316 } Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	
10.13 X7 INVALID-ORDER-1317 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	444
10.13\mathbb{R}INVALID-ORDER-1318 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	444
$10.13 \text{MOINVALID-ORDER-1319} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $ $10.13 \text{MOINVALID-ORDER-1320} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $	44
10.13 20 INVALID-ORDER-1320 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	44
10.13 X I-INVALID-ORDER-1321 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	44
10.13 \text{22} INVALID-ORDER-1322 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	44
10.13 23 INVALID-ORDER-1323 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	44

$10.13 \text{ 24 INVALID-ORDER-} 1324 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_6 R_6 s + 1}\right) \ \dots $	445
10.1325 INVALID-ORDER-1325 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	445
10.13 26 INVALID-ORDER-1326 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	445
$10.1327 \text{INVALID-ORDER-} 1327 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad \dots $	445
10.1328 INVALID-ORDER-1328 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, R_6\right)$	445
10.1329 INVALID-ORDER-1329 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$	445
10.1330 INVALID-ORDER-1330 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$	445
10.13 X -INVALID-ORDER-1331 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	446
10.1332 INVALID-ORDER-1332 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$	446
10.13 SINVALID-ORDER-1333 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	446
$() (C_1 s , C_2 R_2 s + 1 , \ldots , C_4 s , C_5 s , \ldots , C_6 s)$	446
10.1335 INVALID-ORDER-1335 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	446
10.13 % INVALID-ORDER-1336 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$	446
10.1337-INVALID-ORDER-1337 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	446
10.1338 INVALID-ORDER-1338 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	446
10.1339 INVALID-ORDER-1339 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	446
10.13240 INVALID-ORDER-1340 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$	446
10.13 X I-INVALID-ORDER-1341 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	447
10.13\(\frac{12}{2}\)INVALID-ORDER-1342 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	447
$10.13 23 \text{INVALID-ORDER-} 1343 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	447
10.13 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	447
10.13 25 INVALID-ORDER-1345 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	447
$10.1326 \text{INVALID-ORDER-} 1346 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	447
$10.13 \times 7 \text{INVALID-ORDER-} 1347 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	447
10.1348 INVALID-ORDER-1348 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$	447
10.13 29 INVALID-ORDER-1349 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	447
$10.13 \text{M-INVALID-ORDER-} 1350 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	447
$10.13 \times \text{INVALID-ORDER-1351} \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	448
$10.13 2 \text{INVALID-ORDER-} 1352 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) $	448
$10.13 \text{M-INVALID-ORDER-} 1353 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ R_{3}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \frac{R_{5}}{C_{5}R_{5}s+1}, \ R_{6} + \frac{1}{C_{6}s}\right) $ $10.13 \text{M-INVALID-ORDER-} 1354 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ R_{3}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \frac{R_{5}}{C_{5}R_{5}s+1}, \ \frac{R_{6}}{C_{6}R_{6}s+1}\right) $ $10.13 \text{M-INVALID-ORDER-} 1354 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ R_{3}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \frac{R_{5}}{C_{5}R_{5}s+1}, \ \frac{R_{6}}{C_{6}R_{6}s+1}\right) $	448
$10.13 \text{M-INVALID-ORDER-} 1354 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	448
10.13 Stinvalid-Order-1355 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$	448
10.13 % INVALID-ORDER-1356 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, \frac{1}{C_6s}\right)$	448
10.13\frac{1}{2}\frac{1}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}	448
10.13 SINVALID-ORDER-1358 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6\right)$	448
10.13 INVALID-ORDER-1359 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	448
$10.13 \mathfrak{D}INVALID-ORDER-1359 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3s}}, \ R_{4}, \ \frac{1}{C_{5s}}, \ \frac{1}{C_{6s}}\right) \dots $ $10.13 \mathfrak{D}INVALID-ORDER-1360 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3s}}, \ R_{4}, \ \frac{1}{C_{5s}}, \ R_{6} + \frac{1}{C_{6s}}\right) \dots $	448
$10.13 \text{KLID-ORDER-} 1361 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $	449
10.1362 INVALID-ORDER-1362 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$	449
$10.13 \& INVALID-ORDER-1363 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right) \dots \dots$	449

$10.13\%4 \text{INVALID-ORDER-} 1364 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $
10.13 S INVALID-ORDER-1365 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
10.1386 INVALID-ORDER-1366 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.13 X INVALID-ORDER-1367 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.1388 INVALID-ORDER-1368 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.1389 INVALID-ORDER-1369 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.13 X 0 INVALID-ORDER-1370 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.13 X I-INVALID-ORDER-1371 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
10.13 NALID-ORDER-1372 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
10.13 TS INVALID-ORDER-1373 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$
$10.13 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10^{-1} = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2 R_{2s+1}}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right) $
10.13 X 5INVALID-ORDER-1375 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.13 X 6INVALID-ORDER-1376 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
$10.13 \times \text{INVALID-ORDER-1377} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) $
10.1378 INVALID-ORDER-1378 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$
10.13 X9 INVALID-ORDER-1379 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.13\(\text{10}\) INVALID-ORDER-1380 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s} \right) \dots $
10.13 XI-INVALID-ORDER-1381 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$
10.13\(\text{2INVALID-ORDER-1382} \) $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) $
10.13 SINVALID-ORDER-1383 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$
10.13 MAINVALID-ORDER-1384 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$
10.13 % INVALID-ORDER-1385 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$
10.13 % INVALID-ORDER-1386 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$.
10.13\(\text{NVALID-ORDER-1387} \) $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s} \right) $
10.1388 INVALID-ORDER-1388 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_4 s}, \frac{R_6 + \frac{1}{C_6 s}}{C_6 s}\right)$
10.13\$\text{NVALID-ORDER-1388} $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{R_5}, \frac{1}{C_6 s}\right)$
$10.13 \text{M-INVALID-ORDER-} 1390 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3}s}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \frac{1}{C_{5}s}, \ R_{6} + \frac{1}{C_{6}s}\right) $ $10.13 \text{M-INVALID-ORDER-} 1391 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{1}{C_{3}s}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \frac{1}{C_{5}s}, \ R_{6} + \frac{1}{C_{6}s}\right) $
10.13% INVALID-ORDER-1391 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{R_6 + \frac{1}{C_6 s}}\right)$
10.13 X2 INVALID-ORDER-1392 $Z(s) = \begin{pmatrix} \frac{1}{C_{1s}}, & \frac{R_2}{C_2R_2s+1}, & \frac{1}{1} & \frac{1}{C_3s}, & \frac{R_4}{C_4R_4s+1}, & R_5 + \frac{1}{C_5s}, & \frac{R_6}{C_6R_6s+1} \end{pmatrix}$
10.13841NVALID-ORDER-1394 $Z(s) = \begin{pmatrix} c_{1s}, & c_{2}R_{2}s+1, & c_{3}s, & c_{4}R_{4}s+1, & c_{5}R_{5}s+1, & 10 \end{pmatrix}$
$10.13\% \text{INVALID-ORDER-} 1394 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots $ $10.13\% \text{INVALID-ORDER-} 1395 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $ 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
10.13\frac{1}{3}\frac{1}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}
10.13 X9 INVALID-ORDER-1399 $Z(s) = \left(\frac{1}{C_{1.8}}, \frac{R_{0.2}}{C_{2.R_{2.8}+1}}, R_{3} + \frac{1}{C_{2.8}}, \frac{R_{6}}{R_{2.R_{2.8}+1}}\right)$
$10.13 \mathfrak{P} \text{INVALID-ORDER-1399 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_6}{C_6 R_6 s + 1}\right) $ $10.14 \mathfrak{P} \text{INVALID-ORDER-1400 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right) $
10.14XI-INVALID-ORDER-1401 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.14 \text{NP-INVALID-ORDER-} 1401 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) $ $10.14 \text{NP-INVALID-ORDER-} 1402 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $ 4
$10.14 \% \text{INVALID-ORDER-} 1403 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$

$10.14 \% \text{INVALID-ORDER-} 1404 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots \ $	45
10.14 S INVALID-ORDER-1405 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	45
$10.14 \% \text{INVALID-ORDER-} 1406 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	453
10.14 X7 INVALID-ORDER-1407 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 45
10.14 08 INVALID-ORDER-1408 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	45
10.14 X9 INVALID-ORDER-1409 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$.	45
$10.14 \text{MOINVALID-ORDER-} 1410 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	45
10.14 XI-INVALID-ORDER-1411 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	454
10.14 X2 INVALID-ORDER-1412 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	454
10.14 K3 INVALID-ORDER-1413 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	45
$10.14 \text{ X4} \text{INVALID-ORDER-1414 } Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	454
10.14 X5 INVALID-ORDER-1415 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	45
$10.14 \text{NGINVALID-ORDER-1416} \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \qquad \dots $	454
$10.14 \text{ K-INVALID-ORDER-1417 } Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	45°
10.14 No Invalidation of the state of the s	45°
10.14 X9 INVALID-ORDER-1419 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	45
10.14 20 INVALID-ORDER-1420 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	45°
$10.14 \text{XI-INVALID-ORDER-} 1421 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $	45
$\begin{pmatrix} C_1s & C_2R_2s+1 & \cdots & C_3s & \cdots & C_4s & C_5s & \cdots \end{pmatrix}$. 45
10.14 X3 INVALID-ORDER-1423 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	45
$10.14 X4 INVALID-ORDER-1424 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	45
$10.1425 \text{ INVALID-ORDER-1425 } Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{1}{R_4} + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$. 45
10.14 X6 INVALID-ORDER-1426 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$	45
$10.14 \text{XFINVALID-ORDER-} 1427 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots \dots$	45
$10.1428 \text{ INVALID-ORDER-} 1428 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right) \dots \dots$	45
10.14 29 INVALID-ORDER-1429 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	
$10.1430 \text{ INVALID-ORDER-} 1430 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $	45
$10.1434 \text{INVALID-ORDER-} 1431 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	450
$10.1432 \text{INVALID-ORDER-} 1432 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ R_6 + \frac{1}{C_6s}\right) $ $10.1433 \text{INVALID-ORDER-} 1433 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ \frac{R_6}{C_6R_6s+1}\right) $	450
$10.1433 \text{ INVALID-ORDER-1433 } Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_5 R_5 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	456
$10.1434 \text{ INVALID-ORDER-} 1434 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \frac{1}{C_6 s}\right) \dots \dots$	450
$10.1435 \text{ INVALID-ORDER-} 1435 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ R_{3} + \frac{1}{C_{3}s}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ R_{5}, \ R_{6} + \frac{1}{C_{6}s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	450
$10.1436 \text{ INVALID-ORDER-} 1436 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ R_5, \ \frac{R_6}{C_6R_6s+1}\right) \qquad \dots $	456
$10.1437 \text{INVALID-ORDER-} 1437 \ Z(s) = \left(\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ R_{3} + \frac{1}{C_{3}s}, \ \frac{R_{4}}{C_{4}R_{4}s+1}, \ \frac{1}{C_{5}s}, \ \frac{R_{6}}{C_{6}R_{6}s+1}\right) \dots \dots$	450
10.1438 INVALID-ORDER-1438 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$	450
$10.1439 \text{ INVALID-ORDER-} 1439 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \\ 10.1430 \text{ INVALID-ORDER-} 1440 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \\ 10.1436 \text{ INVALID-ORDER-} 1441 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \\ \dots \\ $	450
$10.1430 \text{INVALID-ORDER-} 1440 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_2}{C_2R_2s+1}, \ R_3 + \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ R_5 + \frac{1}{C_5s}, \ R_6 + \frac{1}{C_6s}\right) \dots $	450
$10.14 \text{M-INVALID-ORDER-} 1441 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	45'
10.14 \mathbb{R} INVALID-ORDER-1442 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	45'
$10.14 \text{MSINVALID-ORDER-} 1443 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	45'

$10.14 \% \text{INVALID-ORDER-} 1444 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $:57
$10.1425 \text{INVALID-ORDER-} 1445 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5, \ \frac{1}{C_6 s}\right) \dots \dots$	57
$10.14 \% \text{INVALID-ORDER-} 1446 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) $:57
$10.14 X7 INVALID-ORDER-1447 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5, \frac{R_6}{C_6 R_6 s+1}\right) \ \dots \ $:57
$10.1438 INVALID-ORDER-1448 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right) $:57
$10.14389 \text{INVALID-ORDER-} 1449 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \qquad . \qquad $:57
$10.14 \mathfrak{M} \text{INVALID-ORDER-1450 } Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $:57
$10.14 \text{M-INVALID-ORDER-} 1451 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $.58
$10.14 \mathfrak{Z}-INVALID-ORDER-1452 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . \qquad $:58
$10.14 33 \text{ INVALID-ORDER-1453 } Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right) $:58
$10.14 \% \text{INVALID-ORDER-} 1454 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $:58
$10.14 \% \text{INVALID-ORDER-1455} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $:58
$10.14\% \text{INVALID-ORDER-} 1456 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $:58
$10.14 \ \ \ \ \ \ \ \ \ \ \ \ \ $:58
$10.14 \$S INVALID-ORDER-1458 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) $:58
$10.14 \mathfrak{W} \text{INVALID-ORDER-1459 } Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $:58
$10.14 \% \text{OINVALID-ORDER-} 1460 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \ \dots \ $:58
$10.14 \text{ \mathbb{K}-INVALID-ORDER-1461 } Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $.59
$10.14 \& \text{INVALID-ORDER-1462} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $.50
$10.14 \% \text{INVALID-ORDER-} 1463 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $.50
$10.14\% \text{INVALID-ORDER-} 1464 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots \qquad \qquad$.50
$10.14\%5 \text{INVALID-ORDER-} 1465 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $.59
$10.14\% \text{INVALID-ORDER-} 1466 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . \qquad $.50
$10.14 \% \text{-INVALID-ORDER-1467} \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \qquad . \qquad $.59
$10.14 \% INVALID-ORDER-1468 \ Z(s) = \left(\frac{1}{C_{1}s}, \ \frac{R_{2}}{C_{2}R_{2}s+1}, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ R_{4} + \frac{1}{C_{4}s}, \ R_{5}, \ \frac{1}{C_{6}s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $.59
$10.1489 \text{INVALID-ORDER-} 1469 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) $.59
10.14 NO INVALID-ORDER-1470 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$	159
$10.14\% + INVALID-ORDER-1471 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right) $:60
$10.14 \text{R2-INVALID-ORDER-} 1472 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $:60
$10.14 \times 10.14 \times 10.1$:60
$10.14\% INVALID-ORDER-1474 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $:60
$10.14 \% \text{INVALID-ORDER-} 1475 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right) \ \dots \ $	160
$10.14\% \text{INVALID-ORDER-} 1476 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) $:60
$10.14\% \text{INVALID-ORDER-} 1477 \ Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right) $ $10.14\% \text{INVALID-ORDER-} 1478 \ Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right) $ $48 \text{INVALID-ORDER-} 1478 \ Z(s) = \left(\frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right) $:60
$10.14\% INVALID-ORDER-1478 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $:60
	:60
$10.14 \text{MOINVALID-ORDER-} 1480 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $:60
$10.14 \text{M-INVALID-ORDER-} 1481 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	161
$10.14 2 INVALID-ORDER-1482 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)' \qquad . \qquad $	61
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	61

$10.14 \% \text{INVALID-ORDER-} 1484 \ Z(s) = \left(\frac{1}{C_{1s}}, \ \frac{R_{2}}{C_{2}R_{2s+1}}, \ \frac{R_{3}}{C_{3}R_{3s+1}}, \ \frac{R_{4}}{C_{4}R_{4s+1}}, \ R_{5}, \ R_{6} + \frac{1}{C_{6s}}\right) \dots $	16
$10.1485 \text{ INVALID-ORDER-} 1485 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) $	16
$10.14 \% \text{INVALID-ORDER-} 1486 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	16
$10.14 \text{ \mathbb{Z} INVALID-ORDER-} 1487 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $	16
10.14 SS INVALID-ORDER-1488 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	16
$10.1489 \text{ INVALID-ORDER-} 1489 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	16
$10.14 \mathfrak{M} \text{OINVALID-ORDER-} 1490 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	16
$10.14 \text{M-INVALID-ORDER-} 1491 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots $	16
$10.1432 \text{INVALID-ORDER-} 1492 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) $	16'
$10.14 33 \text{ INVALID-ORDER-} 1493 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_2 R_2 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	16'
10.14 S INVALID-ORDER-1494 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6\right)$	16:
10.14 % 5 INVALID-ORDER-1495 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$	16'
10.14% INVALID-ORDER-1496 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	16
10.14 % 7INVALID-ORDER-1497 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	16
10.1438 INVALID-ORDER-1498 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	16'
10.14 39 INVALID-ORDER-1499 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	16'
10.15 XO INVALID-ORDER-1500 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	16
$10.15 \text{XI-INVALID-ORDER-} 1501 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	16
10.1502 INVALID-ORDER-1502 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	46
10.1503 INVALID-ORDER-1503 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s} \right)$	16
10.15 X INVALID-ORDER-1504 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	16
10.1505 INVALID-ORDER-1505 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right)$	16
10.1506 INVALID-ORDER-1506 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \right)$	16
10.15 X7 INVALID-ORDER-1507 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s} \right)$	16
10.15 XS INVALID-ORDER-1508 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	16:
10.15 Q9 INVALID-ORDER-1509 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	
10.15 W -INVALID-ORDER-1510 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	16
10.15 XI-INVALID-ORDER-1511 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	16
10.15 X2 INVALID-ORDER-1512 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	16
$10.15 \text{MSINVALID-ORDER-1513} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \dots \dots$	164
10.15 X4 INVALID-ORDER-1514 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.15 X5 INVALID-ORDER-1515 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.15 X6 INVALID-ORDER-1516 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
10.15 X7 INVALID-ORDER-1517 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_5 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	164
10.15 X8 INVALID-ORDER-1518 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	16
10.15 X9 INVALID-ORDER-1519 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	164
10.15 20 INVALID-ORDER-1520 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	164
10.15 XI -INVALID-ORDER-1521 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	46
10.15 22 INVALID-ORDER-1522 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	16
10.15 23 INVALID-ORDER-1523 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	16!

$10.15 \text{ $\frac{1}{2}$} \text{INVALID-ORDER-1524 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	465
10.15 25 INVALID-ORDER-1525 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	465
$10.1526 \text{ INVALID-ORDER-} 1526 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	465
$10.15 \mathbf{X}7 \text{INVALID-ORDER-} 1527 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	465
10.15 28 INVALID-ORDER-1528 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	465
10.15 29 INVALID-ORDER-1529 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	465
$10.1530 \text{INVALID-ORDER-} 1530 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	465
10.15 XI -INVALID-ORDER-1531 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	466
10.1532INVALID-ORDER-1532 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	466
10.1533 INVALID-ORDER-1533 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	466
10.15 X4 INVALID-ORDER-1534 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	466
$10.1535 \text{INVALID-ORDER-} 1535 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	466
$10.1536 \text{INVALID-ORDER-} 1536 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	466
10.15 37 INVALID-ORDER-1537 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	466
10.1538 INVALID-ORDER-1538 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	466
10.15 39 INVALID-ORDER-1539 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$	466
10.15 20 INVALID-ORDER-1540 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	466
10.15 XI -INVALID-ORDER-1541 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	467
10.15 \text{2CINVALID-ORDER-1542} $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ R_6\right)$	467
10.1533INVALID-ORDER-1543 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	467
10.15 24 4 INVALID-ORDER-1544 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	467
10.1525 INVALID-ORDER-1545 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	467
$10.15 26 \text{ INVALID-ORDER-} 1546 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \qquad . \qquad $	467
$10.15 \text{M7-INVALID-ORDER-} 1547 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $	
10.1538 INVALID-ORDER-1548 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	467
10.15 X9 INVALID-ORDER-1549 $Z(s) = (R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6)$	
10.15 NO INVALID-ORDER-1550 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
10.15 XI-INVALID-ORDER-1551 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.15\$2INVALID-ORDER-1552 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
10.15 \$\frac{1}{2}\$ INVALID-ORDER-1553 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.15 X4 INVALID-ORDER-1554 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$10.15 \% \text{INVALID-ORDER-} 1555 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . $	468
10.15 % INVALID-ORDER-1556 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.15 \$\frac{1}{2}\$TINVALID-ORDER-1557 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	468
10.15\(\frac{1}{2}\) INVALID-ORDER-1558 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right)$	
10.15 XO INVALID-ORDER-1559 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	468
10.15 (M) INVALID-ORDER-1560 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	468
$10.15 \text{ XLID-ORDER-} 1561 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	469
10.15\(\text{M2INVALID-ORDER-1562} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 \right) \tag{.}	469
$10.15 \& \text{SINVALID-ORDER-1563} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	469

$10.15\%4 \text{INVALID-ORDER-} 1564 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	469
10.15% INVALID-ORDER-1565 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	469
10.15% INVALID-ORDER-1566 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	469
10.15\(\text{X7INVALID-ORDER-1567} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_6 s}, R_6 + \frac{1}{C_6 s} \right) \tag{\text{.}}	469
$(7) \left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	469
10.1589 INVALID-ORDER-1569 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	469
10.15 X 0 INVALID-ORDER-1570 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	469
$10.15 \text{X-INVALID-ORDER-} 1571 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	470
10.15 X2 INVALID-ORDER-1572 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	470
10.15 X3 INVALID-ORDER-1573 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_4 R_4 s + 1}, R_5, R_6\right)$	470
10.15 X 4INVALID-ORDER-1574 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	470
10.15 X 5INVALID-ORDER-1575 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_4 R_4 s + 1}, R_5, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_4 R_4 s + 1}, \frac{1}{C_6 s}\right)$	470
10.15 X 6INVALID-ORDER-1576 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	470
10.15 X -INVALID-ORDER-1577 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	470
10.1578 INVALID-ORDER-1578 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	470
10.15 X9 INVALID-ORDER-1579 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	470
10.15 % INVALID-ORDER-1580 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	470
10.15 XI-INVALID-ORDER-1581 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	47
10.15\(\text{2}\) INVALID-ORDER-1582 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \dots$	47
10.15 %3 INVALID-ORDER-1583 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 \right)$	47
10.15 34 INVALID-ORDER-1584 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	47
10.15 35 INVALID-ORDER-1585 $Z(s) = \left\langle R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s} \right\rangle$	47
10.15 % INVALID-ORDER-1586 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	47
$10.15 \text{ \mathbb{R}} \text{INVALID-ORDER-1587 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	47
10.15 Strival Invariant (Section 1988) 10.15 Strival Inv	47
10.15 X9 INVALID-ORDER-1589 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	47
10.15 XD INVALID-ORDER-1590 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	47
10.15 XI -INVALID-ORDER-1591 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	47
10.15 \mathbb{N}2 INVALID-ORDER-1592 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ 10.15 \mathbb{N}3 INVALID-ORDER-1593 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	472
10.15 \$\mathbb{R}\$ INVALID-ORDER-1593 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right)$	472
10.15 X4 INVALID-ORDER-1594 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	472
10.15% INVALID-ORDER-1595 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	472
10.15 % INVALID-ORDER-1596 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	472
10.15 % FINVALID-ORDER-1597 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	472
10.15 38 INVALID-ORDER-1598 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	473
10.15 X9 INVALID-ORDER-1599 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	473
10.1600 INVALID-ORDER-1600 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	473
$10.16 \text{ N-INVALID-ORDER-} 1601 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
10.16 \text{10.16 \text{12} INVALID-ORDER-1602} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s} \right)	47
10.16 SINVALID-ORDER-1603 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	173

$10.16 \% 1 \text{NVALID-ORDER-} 1604 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 473
10.16 Stinvalid-Order-1605 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 473
10.16 % INVALID-ORDER-1606 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 473
10.16\(\text{XFINVALID-ORDER-1607} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s} \right) \tag{2.5}	. 473
10.16 \mathbb{N}S INVALID-ORDER-1608 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$. 473
10.16 X9 INVALID-ORDER-1609 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 473
10.16 W INVALID-ORDER-1610 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 473
10.16 XI-INVALID-ORDER-1611 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 47
10.16 X INVALID-ORDER-1612 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 47
10.16 XB INVALID-ORDER-1613 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 474
$10.16 \text{ X4} \text{INVALID-ORDER-} 1614 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) $. 474
10.16 X5 INVALID-ORDER-1615 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 474
$10.16 \text{NS-INVALID-ORDER-1616} \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \ R_2, \ R_3 + \frac{1}{C_{3s}}, \ R_4 + \frac{1}{C_{4s}}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 474
10.16 X FINVALID-ORDER-1617 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$. 47
10.16 No Invalidation of the state of the s	. 47
10.16 X9 INVALID-ORDER-1619 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1} \right)$. 47
10.16 20 INVALID-ORDER-1620 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right)$. 47
10.16 X I-INVALID-ORDER-1621 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 \right)$. 47
10.16 X2 INVALID-ORDER-1622 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 47
10.16 23 INVALID-ORDER-1623 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s} \right)$. 47
$10.16 X4 INVALID-ORDER-1624 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 47
10.16 25 INVALID-ORDER-1625 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s} \right)$. 47
10.16 26 INVALID-ORDER-1626 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 47
$10.16 \text{XFINVALID-ORDER-} 1627 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $. 47
10.1628 INVALID-ORDER-1628 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$. 47
10.16 29 INVALID-ORDER-1629 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.16 30 INVALID-ORDER-1630 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$. 47
10.16 XI -INVALID-ORDER-1631 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$. 470
$10.1632 \text{INVALID-ORDER-} 1632 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) $ $10.1633 \text{INVALID-ORDER-} 1633 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1} \right) $ $10.1633 \text{INVALID-ORDER-} 1633 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1} \right) $. 470
10.1633 INVALID-ORDER-1633 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 470
10.16 34 INVALID-ORDER-1634 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.1635 INVALID-ORDER-1635 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.16 36 INVALID-ORDER-1636 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.16 3 7 INVALID-ORDER-1637 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 470
10.1638 INVALID-ORDER-1638 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$.	. 470
10.1639 INVALID-ORDER-1639 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$. 470
10.16 2 NVALID-ORDER-1640 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 470
$10.16 \text{Al-INVALID-ORDER-} 1641 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$. 47
10.16 X2 INVALID-ORDER-1642 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 47
10.16 28 INVALID-ORDER-1643 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 47'

$10.16 \text{M-INVALID-ORDER-1644 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \qquad . \qquad $	477
10.16 25 INVALID-ORDER-1645 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	477
$10.16 26 \text{INVALID-ORDER-} 1646 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $	477
$10.16 \text{ X} \text{-INVALID-ORDER-1647 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	477
10.16 28 INVALID-ORDER-1648 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	477
10.16 20 INVALID-ORDER-1649 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	477
$10.16 \text{MOINVALID-ORDER-} 1650 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	477
$10.16 \text{X-INVALID-ORDER-} 1651 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	478
$(\) \ (\ $	478
10.16 SS INVALID-ORDER-1653 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	478
$10.16 \text{M-INVALID-ORDER-} 1654 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $	478
$10.16 \% \text{INVALID-ORDER-} 1655 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_6}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1} \right) \qquad \dots $	478
10.16 36 INVALID-ORDER-1656 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	478
10.16 X7 INVALID-ORDER-1657 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	478
10.16 SS INVALID-ORDER-1658 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	478
$10.16 \mathfrak{D} \text{INVALID-ORDER-} 1659 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \qquad \dots $	478
$10.16 \text{ MOINVALID-ORDER-} 1660 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right) $	478
$10.16 \text{CM-INVALID-ORDER-} 1661 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $	479
$10.16 \& 2 \text{INVALID-ORDER-} 1662 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	479
$10.16 \Re \text{INVALID-ORDER-} 1663 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	479
$10.16\%4 \text{INVALID-ORDER-} 1664 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $	479
10.16%5 INVALID-ORDER-1665 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	479
$10.16\% \text{INVALID-ORDER-} 1666 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	479
$10.16 \% 7 \text{INVALID-ORDER-} 1667 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	
10.16 SINVALID-ORDER-1668 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	479
$10.16 \& \text{PINVALID-ORDER-1669} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \dots $	479
$10.16 \text{ NOINVALID-ORDER-} 1670 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	479
$10.16\% \text{-INVALID-ORDER-} 1671 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1} \right) \dots $	480
$10.16 \text{ \mathbb{R}-INVALID-ORDER-1672 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s} \right) \dots $	
10.16 TS INVALID-ORDER-1673 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
$10.16\% INVALID-ORDER-1674 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
$10.16 \% \text{INVALID-ORDER-} 1675 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 \right) \dots $	480
$10.16\% \text{INVALID-ORDER-} 1676 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $	480
$10.16\% \text{INVALID-ORDER-} 1677 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) $ $10.16\% \text{INVALID-ORDER-} 1678 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $	480
$10.16\% \text{INVALID-ORDER-} 1678 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $	480
10.16 X9 INVALID-ORDER-1679 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s} \right)$	
10.16 NO INVALID-ORDER-1680 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$10.16 \text{M-INVALID-ORDER-1681} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	
$10.16 2 INVALID-ORDER-1682 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	481
$10.16 \$S \text{INVALID-ORDER-} 1683 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots $	481

10.16 24 INVALID-ORDER-1684 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$
$10.16 \$5 \text{INVALID-ORDER-} 1685 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . $
10.16 36 INVALID-ORDER-1686 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$
10.16 % 7INVALID-ORDER-1687 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$
10.16 SS INVALID-ORDER-1688 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
$10.16 \text{MOINVALID-ORDER-} 1689 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) $
$10.16 \text{MOINVALID-ORDER-} 1690 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right) \dots \dots$
10.16 XI-INVALID-ORDER-1691 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.16\mathfrak{Z}\text{INVALID-ORDER-}1692 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right) $
10.16 93 INVALID-ORDER-1693 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.16 \$\text{M-INVALID-ORDER-1694} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s} \right) \tag{482}
10.16% INVALID-ORDER-1695 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.16\% \text{INVALID-ORDER-} 1696 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \ R_3, \ R_4, \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $
10.16 % 7INVALID-ORDER-1697 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
10.1698 INVALID-ORDER-1698 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
$10.16 \mathfrak{P} \text{INVALID-ORDER-1699 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)' \qquad . \qquad $
10.1700 INVALID-ORDER-1700 $Z(s) = (R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6)$
10.17 X INVALID-ORDER-1701 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.17\text{\text{\$\text{2}}} INVALID-ORDER-1702 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.17 S INVALID-ORDER-1703 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.17 X INVALID-ORDER-1704 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.17 % INVALID-ORDER-1705 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.17 \% \text{INVALID-ORDER-1706 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right) \dots \dots$
$10.17 \text{ \mathbb{N}} \text{INVALID-ORDER-1707 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
10.1708 INVALID-ORDER-1708 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.1789 INVALID-ORDER-1709 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.17 \text{NO-INVALID-ORDER-1710 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
$10.17 \text{ XI-INVALID-ORDER-1711 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \qquad . \qquad $
10.17 X2 INVALID-ORDER-1712 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
$10.17 \text{K} \text{INVALID-ORDER-1713 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$
$10.17 \text{M4INVALID-ORDER-1714} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \ \dots \ $
10.17 NS INVALID-ORDER-1715 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
$10.17 \text{M$\circ$INVALID-ORDER-1716} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) $
$10.17 \text{ X7} \text{INVALID-ORDER-1717 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$
10.17 NO INVALID-ORDER-1718 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.17 X9 INVALID-ORDER-1719 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.17 20 INVALID-ORDER-1720 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.17 X FINVALID-ORDER-1721 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
$10.17 \mathfrak{D} \text{INVALID-ORDER-1722} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $
10.17 23 INVALID-ORDER-1723 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$10.17 \text{M-INVALID-ORDER-} 1724 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	485
10.17 25 INVALID-ORDER-1725 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	485
10.17 26 INVALID-ORDER-1726 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	485
$\begin{pmatrix} 1 & C_1s & C_2s & \sigma \end{pmatrix} = \begin{pmatrix} 1 & C_4s & C_5R_5s+1 \end{pmatrix} \begin{pmatrix} 1 & C_4s & C_5R_5s+1 \end{pmatrix}$	485
$10.1728 \text{INVALID-ORDER-} 1728 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	485
10.17 29 INVALID-ORDER-1729 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	485
10.1730 INVALID-ORDER-1730 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	485
10.17 XI -INVALID-ORDER-1731 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	486
10.1732 INVALID-ORDER-1732 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	486
10.1733 INVALID-ORDER-1733 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	486
10.17 34 INVALID-ORDER-1734 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	486
10.1735 INVALID-ORDER-1735 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	486
10.1736 INVALID-ORDER-1736 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	486
10.1737*INVALID-ORDER-1737 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	486
10.1738 INVALID-ORDER-1738 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	486
10.1739 INVALID-ORDER-1739 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	486
$10.17340 \text{INVALID-ORDER-} 1740 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $	486
$10.17 \text{ XL-INVALID-ORDER-1741 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	487
$10.1732 \text{INVALID-ORDER-1742} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	487
10.1733INVALID-ORDER-1743 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	487
10.17341NVALID-ORDER-1744 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	487
10.1725 INVALID-ORDER-1745 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	487
$10.1726 \text{INVALID-ORDER-1746} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	487
$10.172\text{XFINVALID-ORDER-1747} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \qquad \dots $	
10.1738 INVALID-ORDER-1748 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	487
10.1739 INVALID-ORDER-1749 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$10.1750 \text{ INVALID-ORDER-} 1750 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)^{\prime} \qquad \dots $	487
10.17 XI-INVALID-ORDER-1751 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	488
10.17\$\frac{\text{2}}{10}\$INVALID-ORDER-1752 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s} \right)$	
$10.17 \Im INVALID-ORDER-1753 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . \dots \dots$	488
10.17 \$\frac{\text{M-INVALID-ORDER-1754}}{Z(s)} = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_6 s} \right) \tag{1.5}	
10.17 \$\frac{35}{10}\$ INVALID-ORDER-1755 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
$10.17\%6 \text{INVALID-ORDER-1756} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \qquad \dots $	
10.17 X7 INVALID-ORDER-1757 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s},$	488
10.1758 INVALID-ORDER-1758 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	488
10.1759 INVALID-ORDER-1759 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_3 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.1780 INVALID-ORDER-1760 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.17 X LID-ORDER-1761 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.17\&\text{2INVALID-ORDER-1762} $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	489
$10.17 \% \text{3 INVALID-ORDER-1763 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \dots \dots$	489

$10.17\%4 \text{INVALID-ORDER-}1764 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	189
10.1785 INVALID-ORDER-1765 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_5 R_5 s + 1}, \frac{R_5}{C_6 R_6 s + 1}\right)$	189
10.1786 INVALID-ORDER-1766 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	189
10.1787 INVALID-ORDER-1767 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	189
10.1788 INVALID-ORDER-1768 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	189
10.1789 INVALID-ORDER-1769 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	189
10.17 XD INVALID-ORDER-1770 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	189
10.17 X -INVALID-ORDER-1771 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	£9(
10.17 NALID-ORDER-1772 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	£9(
$(7) \left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	190
10.17 X4 INVALID-ORDER-1774 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	£9(
(7) (1) $(2s)$ $(2s)$ $(2s)$ $(4s)$ $(4s)$ $(5s)$ $(6s)$	190
10.17 X 6INVALID-ORDER-1776 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	190
10.17 X -INVALID-ORDER-1777 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	190
10.17 No INVALID-ORDER-1778 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	190
10.1779 INVALID-ORDER-1779 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	190
10.17 SO INVALID-ORDER-1780 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	190
10.17 St-INVALID-ORDER-1781 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	19
10.1782 INVALID-ORDER-1782 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	19
$10.17 \$3 \text{ INVALID-ORDER-1783 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1} \right) $	19
$10.17\$4 \text{INVALID-ORDER-}1784 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	19
10.1785 INVALID-ORDER-1785 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 \right)$	9
10.1786 INVALID-ORDER-1786 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	19
$10.17 \text{\%FINVALID-ORDER-} 1787 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_5 s} \right) \ \dots $	9
10.17 SS INVALID-ORDER-1788 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	
10.17 SQ INVALID-ORDER-1789 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	9
10.17 SQ INVALID-ORDER-1790 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	9
$10.17 \text{M-INVALID-ORDER-1791 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	
10.17\$\text{\$\frac{1}{2}}\$INVALID-ORDER-1792 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s} \right)$	19:
10.17\$\text{3}\text{INVALID-ORDER-1793}\ $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s} \right)$	192
10.17 \$\frac{\text{M}}{10.17}\$ \$\frac{\text{N}}{10.17}\$ \$\text{N	192
10.17% INVALID-ORDER-1795 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	19:
10.17% INVALID-ORDER-1796 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 \right)$	
10.17 % INVALID-ORDER-1797 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	19:
10.1798 INVALID-ORDER-1798 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	19:
10.1739 INVALID-ORDER-1799 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	₁ 9:
10.1800 INVALID-ORDER-1800 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	₁ 9:
10.18XI-INVALID-ORDER-1801 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	
10.18 \text{NVALID-ORDER-1802} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1} \right)^2 \tag{2.5}	₋ 9:
10.1803 INVALID-ORDER-1803 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	<u>.</u> 9

10.18 X4 INVALID-ORDER-1804 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	49:
10.18 X5 INVALID-ORDER-1805 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	493
10.18 % INVALID-ORDER-1806 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	19:
10.18 X7 INVALID-ORDER-1807 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	19:
10.1808 INVALID-ORDER-1808 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	19:
10.1809 INVALID-ORDER-1809 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	19:
10.18 XP INVALID-ORDER-1810 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	19:
$10.18 \text{XI-INVALID-ORDER-1811} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	،19
10.18 X2 INVALID-ORDER-1812 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	،19
10.18 X INVALID-ORDER-1813 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	19 [,]
$10.18 \text{ X4} \text{INVALID-ORDER-1814 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	،19
10.18 X5 INVALID-ORDER-1815 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	<u>1</u> 9،
10.18 X6 INVALID-ORDER-1816 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	،19
10.18 X7 INVALID-ORDER-1817 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	1 9
10.18 NVALID-ORDER-1818 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	19 [,]
10.18X9INVALID-ORDER-1819 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	<u>1</u> 9،
10.18 20 INVALID-ORDER-1820 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	19 [,]
10.18 XI -INVALID-ORDER-1821 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	19
10.18 22 INVALID-ORDER-1822 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	19
10.18 23 INVALID-ORDER-1823 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	19
10.18 X4 INVALID-ORDER-1824 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	19
10.18 25 INVALID-ORDER-1825 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	19
10.18 26 INVALID-ORDER-1826 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	19!
10.18 2 7INVALID-ORDER-1827 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	19
10.18 X9 INVALID-ORDER-1828 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	19
10.18 29 INVALID-ORDER-1829 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	19
10.18 30 INVALID-ORDER-1830 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	
10.18 XI -INVALID-ORDER-1831 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	19
$10.1832 \text{INVALID-ORDER-} 1832 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	190
$10.1833 \text{ INVALID-ORDER-} 1833 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) $	190
10.18 X4 INVALID-ORDER-1834 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	190
10.18 35 INVALID-ORDER-1835 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.18 36 INVALID-ORDER-1836 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.18 3 7 INVALID-ORDER-1837 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.1838 INVALID-ORDER-1838 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	190
	19
$10.18 20 \text{ INVALID-ORDER-1840 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	19
10.18 XI -INVALID-ORDER-1841 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$	1 9′
10.18 XI -INVALID-ORDER-1841 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6\right)$ 10.18 XI -INVALID-ORDER-1842 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, \frac{1}{C_6 s}\right)$	1 9′
10.18 XB INVALID-ORDER-1843 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	19'

$10.18 \text{ $\frac{1}{2}$ INVALID-ORDER-1844 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, \frac{R_6}{C_6 R_6 s+1}\right) $	49′
10.18 X5 INVALID-ORDER-1845 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	49
10.18 X6 INVALID-ORDER-1846 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	49'
$10.18 $A\!$	49′
10.18 28 INVALID-ORDER-1848 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	49′
10.18 29 INVALID-ORDER-1849 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	49'
10.18 XO INVALID-ORDER-1850 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	49′
10.18 XI-INVALID-ORDER-1851 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	49
10.18 2 INVALID-ORDER-1852 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	498
10.18 X3 INVALID-ORDER-1853 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 \overline{R}_3 s + 1}, R_4, \frac{R_5}{C_5 \overline{R}_5 s + 1}, \frac{1}{C_6 s}\right)$	498
10.18 X4 INVALID-ORDER-1854 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	498
10.18 X5 INVALID-ORDER-1855 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	49
10.18 36 INVALID-ORDER-1856 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$	49
10.18 X7 INVALID-ORDER-1857 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	498
10.18 SINVALID-ORDER-1858 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	498
10.18 X9 INVALID-ORDER-1859 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	498
10.1880 INVALID-ORDER-1860 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_{3s+1}}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	498
10.18 XI-INVALID-ORDER-1861 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	499
10.18 2 INVALID-ORDER-1862 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_{3s+1}}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	499
10.18 SINVALID-ORDER-1863 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \right)$	499
10.18 X4 INVALID-ORDER-1864 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	499
10.1885 INVALID-ORDER-1865 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	499
10.1886 INVALID-ORDER-1866 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_{3s+1}}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	499
10.1887 INVALID-ORDER-1867 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	499
10.1868 INVALID-ORDER-1868 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
10.1889 INVALID-ORDER-1869 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	499
$10.18 \text{MOINVALID-ORDER-} 1870 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots $	
$10.18 \text{X-INVALID-ORDER-} 1871 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \dots $	
10.18 NALID-ORDER-1872 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	500
10.18 X 3INVALID-ORDER-1873 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	500
$10.18\% \text{INVALID-ORDER-} 1874 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	500
10.18 X 5INVALID-ORDER-1875 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	500
10.18 X6 INVALID-ORDER-1876 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	500
$10.18 \text{XFINVALID-ORDER-} 1877 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	500
10.1878 INVALID-ORDER-1878 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.18 X9 INVALID-ORDER-1879 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	50
10.18 NO INVALID-ORDER-1880 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots$	500
10.18 % I-INVALID-ORDER-1881 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	50
10.18 32 INVALID-ORDER-1882 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$	50
10.18 SINVALID-ORDER-1883 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	50

$10.18 \$4 \text{INVALID-ORDER-} 1884 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $
10.18 Stinvalid-Order-1885 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
10.18 % INVALID-ORDER-1886 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$
10.18 X INVALID-ORDER-1887 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$
10.18 SINVALID-ORDER-1888 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{1}{C_6 s}\right)$
10.18 39 INVALID-ORDER-1889 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.18 NO INVALID-ORDER-1890 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$
10.18 XI-INVALID-ORDER-1891 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.18 NVALID-ORDER-1892 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.18 \mathfrak{M} \text{INVALID-ORDER-1893 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$
10.18 X4 INVALID-ORDER-1894 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.18 \$\frac{1}{2}\$ INVALID-ORDER-1895 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.18 % INVALID-ORDER-1896 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.18 \text{MFINVALID-ORDER-} 1897 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $
10.18 SINVALID-ORDER-1898 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$
10.18 39 INVALID-ORDER-1899 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$
$10.19 \text{MOINVALID-ORDER-} 1900 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $
$10.19 \text{XI-INVALID-ORDER-1901} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $
10.19 Σ INVALID-ORDER-1902 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$
10.19 SINVALID-ORDER-1903 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$
10.19 X4 INVALID-ORDER-1904 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.1985 INVALID-ORDER-1905 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.19 X 6INVALID-ORDER-1906 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s} \right)$
10.19 X7 INVALID-ORDER-1907 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s} \right)$
10.1908 INVALID-ORDER-1908 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.19 X9 INVALID-ORDER-1909 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.19 NO INVALID-ORDER-1910 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.19 \text{ XI-INVALID-ORDER-1911 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \dots \dots$
10.19 PMINVALID-ORDER-1912 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
10.19 XS INVALID-ORDER-1913 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
10.19 X4 INVALID-ORDER-1914 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
10.19 X5 INVALID-ORDER-1915 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$
10.19 X6 INVALID-ORDER-1916 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$
10.19 X FINVALID-ORDER-1917 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.19 NVALID-ORDER-1918 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.19 X9 INVALID-ORDER-1919 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$.
10.19 20 INVALID-ORDER-1920 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.19 \text{M-INVALID-ORDER-} 1921 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \dots $
10.19 22 INVALID-ORDER-1922 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.19 X3 INVALID-ORDER-1923 $Z(s) = (R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6)$

10.19 X4 INVALID-ORDER-1924 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 505
10.19 25 INVALID-ORDER-1925 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 505
$10.1926 \text{ INVALID-ORDER-1926 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $. 505
10.19 27 -INVALID-ORDER-1927 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 505
10.1928 INVALID-ORDER-1928 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 505
10.19 29 INVALID-ORDER-1929 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 505
$10.1930 \text{ INVALID-ORDER-} 1930 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 505
10.19 33 -INVALID-ORDER-1931 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 506
10.1932-INVALID-ORDER-1932 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 506
10.1933 INVALID-ORDER-1933 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 506
10.19 X4 INVALID-ORDER-1934 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 506
10.1935 INVALID-ORDER-1935 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 506
10.19 36 INVALID-ORDER-1936 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 506
10.19 37 -INVALID-ORDER-1937 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 506
10.1938 INVALID-ORDER-1938 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_6 R_6 s + 1}\right)$. 506
10.1939 INVALID-ORDER-1939 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 506
10.19 20 INVALID-ORDER-1940 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 506
10.19 XI-INVALID-ORDER-1941 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 507
$10.1922 \text{INVALID-ORDER-1942 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 507
10.19 X3 INVALID-ORDER-1943 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 507
10.19 $X4$ INVALID-ORDER-1944 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 507
10.19 25 INVALID-ORDER-1945 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 507
$10.19 \text{26} \text{INVALID-ORDER-1946} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 507
() $()$. 507
10.1938 INVALID-ORDER-1948 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	
10.1939 INVALID-ORDER-1949 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
$10.19 \text{MOINVALID-ORDER-} 1950 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	
$10.19 \text{M-INVALID-ORDER-1951} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \ \ \ \ \ \ \ \ \ \ \ \$	
10.19 \$\frac{\text{X2-INVALID-ORDER-1952}}{Z(s)} = \left(R_1 + \frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \tag{10.19}	. 508
10.19\$\$INVALID-ORDER-1953 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.19 X4 INVALID-ORDER-1954 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.19 S INVALID-ORDER-1955 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.19 X6 INVALID-ORDER-1956 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 508
$10.19 \text{ \overline{M}} \text{INVALID-ORDER-1957 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$. 508
10.19 SINVALID-ORDER-1958 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.19 X9 INVALID-ORDER-1959 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 508
$10.19 \& DINVALID-ORDER-1960 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $. 508
$10.19 \text{ \mathbb{K}-INVALID-ORDER-1961 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	
10.1982 INVALID-ORDER-1962 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$. 509
10.1983 INVALID-ORDER-1963 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 509

$10.19\%4 \text{ INVALID-ORDER-}1964 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $	509
10.1985 INVALID-ORDER-1965 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	509
10.1986 INVALID-ORDER-1966 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	508
$10.19 \times \text{TINVALID-ORDER-1967} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots \qquad $	508
10.1988 INVALID-ORDER-1968 $Z(s) = (R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6)$	508
10.1989 INVALID-ORDER-1969 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	508
10.19 X 0INVALID-ORDER-1970 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	08
10.19 X -INVALID-ORDER-1971 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$	51(
10.19 TO INVALID-ORDER-1972 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	51(
10.19 X INVALID-ORDER-1973 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	51(
10.19 X 4INVALID-ORDER-1974 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	51(
10.19 X5 INVALID-ORDER-1975 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	51(
10.19 X6 INVALID-ORDER-1976 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right)$	1(
10.19 X7 INVALID-ORDER-1977 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	1(
10.19 X SINVALID-ORDER-1978 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	51(
	51(
(7) $(1 + C_{1}s^{7} + 2 + C_{2}s^{7} + C_{3}s^{7} + C_{4}s^{7} + C_{5}s^{7} + C_{6}s)$	51(
10.19 XI -INVALID-ORDER-1981 $Z(s) = \left\langle R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s} \right\rangle$	11
10.19 2 INVALID-ORDER-1982 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s} \right)$	11
10.19 33 INVALID-ORDER-1983 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_5 s} \right)$	11
10.1984 INVALID-ORDER-1984 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right)$	11
10.1985 INVALID-ORDER-1985 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	11
10.1986 INVALID-ORDER-1986 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \dots \dots$	11
$10.19 \text{ \mathbb{Z} INVALID-ORDER-1987 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	11
$10.19 \$8 \text{ INVALID-ORDER-} 1988 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	11
10.19 39 INVALID-ORDER-1989 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$ 5	511
10.19 XD INVALID-ORDER-1990 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
10.19 XI -INVALID-ORDER-1991 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.19 32 INVALID-ORDER-1992 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	12
10.19 X3 INVALID-ORDER-1993 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$.	12
10.19 % 4INVALID-ORDER-1994 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	12
10.19 % INVALID-ORDER-1995 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	12
10.19 % INVALID-ORDER-1996 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$.	
10.19 % INVALID-ORDER-1997 $Z(s) = (R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6)$	12
10.19 % INVALID-ORDER-1998 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	12
10.19 39 INVALID-ORDER-1999 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	12
10.2000 INVALID-ORDER-2000 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	12
$10.20 \times 10.20 \times 10.2$	13
10.20021NVALID-ORDER-2002 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$	13
10.20 SINVALID-ORDER-2003 $Z(s) = (R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s})$	1.

$10.20 \text{M-INVALID-ORDER-} 2004 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	513
10.20 % INVALID-ORDER-2005 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	513
10.20 % INVALID-ORDER-2006 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	513
10.20 X FINVALID-ORDER-2007 $Z(s) = (R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1})'$	513
10.20 % INVALID-ORDER-2008 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	513
10.20 39 INVALID-ORDER-2009 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	513
$10.20 \text{NOINVALID-ORDER-} 2010 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \qquad \dots $	513
$10.20 \text{X-INVALID-ORDER-} 2011 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $	514
10.20 \mathbb{R} INVALID-ORDER-2012 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	514
10.20 X INVALID-ORDER-2013 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	514
$10.20 \text{M-INVALID-ORDER-} 2014 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	514
10.20 X5 INVALID-ORDER-2015 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	514
10.20 X6 INVALID-ORDER-2016 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	514
$10.20 \text{ X7} \text{INVALID-ORDER-} 2017 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	514
10.20 No INVALID-ORDER-2018 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	514
10.20 X9 INVALID-ORDER-2019 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	514
10.20 20 INVALID-ORDER-2020 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s} \right)$. 514
$10.20 \text{XI-INVALID-ORDER-} 2021 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $. 515
10.20 X2 INVALID-ORDER-2022 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 \right)$	515
10.20 X3 INVALID-ORDER-2023 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 515
10.20 X4 INVALID-ORDER-2024 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	515
10.20 25 INVALID-ORDER-2025 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 515
10.20 26 INVALID-ORDER-2026 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$. 515
10.20 X INVALID-ORDER-2027 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 515
10.20 28 INVALID-ORDER-2028 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	
10.20 20 INVALID-ORDER-2029 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 515
10.2030 INVALID-ORDER-2030 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
10.20 32 -INVALID-ORDER-2031 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
10.2033 INVALID-ORDER-2032 $Z(s) = \left(R_1 + \frac{1}{C_1s}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$. 510
10.20 33 4INVALID-ORDER-2033 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 R_5 s + 1}, \frac{1}{C_6 R_6 s + 1}\right)$	
10.2035 INVALID-ORDER-2034 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_5, R_6\right)$	
10.20 36 INVALID-ORDER-2036 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
$10.2037 \text{INVALID-ORDER-} 2037 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	
$10.2038 \text{INVALID-ORDER-} 2038 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_5 s}\right) \dots \dots$	
$10.2039 \text{INVALID-ORDER-} 2039 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $	516
$10.20 \text{MO} \text{INVALID-ORDER-} 2040 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	510
$10.20 \text{M-INVALID-ORDER-} 2041 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	511
$10.20 \text{ $\frac{1}{2}$ Invalid-Order 2012} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	517
10.20 XS INVALID-ORDER-2043 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	
$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	J-1

10.20 X4 INVALID-ORDER-2044 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	51'
$10.20 \text{25} \text{INVALID-ORDER-} 2045 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \qquad . \qquad $	
$10.20 \text{M}6 \text{INVALID-ORDER-} 2046 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots \dots$	51'
$10.20 \text{MFINVALID-ORDER-} 2047 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	51'
$10.2028 \text{INVALID-ORDER-} 2048 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_5 R_6 s + 1}\right) \dots $	51'
10.20 28 INVALID-ORDER-2049 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	- · 51'
10.20 30 INVALID-ORDER-2050 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	51'
10.20 XI-INVALID-ORDER-2051 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_4 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_6 s}\right)$	518
$10.20 \mathfrak{X}_{2} \text{INVALID-ORDER-} 2052 \ Z(s) = \left(R_{1} + \frac{1}{C_{1}s}, \ R_{2} + \frac{1}{C_{2}s}, \ R_{3} + \frac{1}{C_{3}s}, \ R_{4} + \frac{1}{C_{4}s}, \ R_{5}, \ \frac{R_{6}}{C_{6}R_{6}s+1}\right) \dots $	518
10.20 \$\frac{1}{3}\$ INVALID-ORDER-2053 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	518
$10.20 \% \text{INVALID-ORDER-} 2054 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_5 s}\right) \ \dots $	518
10.20 \$\frac{1}{2}\$ INVALID-ORDER-2055 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	518
10.20 36 INVALID-ORDER-2056 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	518
10.20 X7 INVALID-ORDER-2057 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	<u>5</u> 18
10.20 SINVALID-ORDER-2058 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	518
10.20 SO INVALID-ORDER-2059 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	<u>51</u> 8
10.2080 INVALID-ORDER-2060 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	<u>51</u> 8
10.20 XI-INVALID-ORDER-2061 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	19
10.20\(\text{22INVALID-ORDER-2062} \ Z(s) = \(\begin{array}{c} R_1 + \frac{1}{C_1 s}, & R_2 + \frac{1}{C_2 s}, & R_3 + \frac{1}{C_2 s}, & R_4 + \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{array} \) \q	19
10.20 SINVALID-ORDER-2063 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	19
$10.20\%4 \text{INVALID-ORDER-} 2064 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	19
10.20 \ \text{SINVALID-ORDER-2065} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_4 R_4 s + 1}, R_5, R_6 \right) \tag{5.}	19
10.20\(\text{MSINVALID-ORDER-2066} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s} \right) \tag{5}. \text{5}.	19
10.20 X INVALID-ORDER-2067 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	19
10.20 SINVALID-ORDER-2068 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$.	19
10.20 X9 INVALID-ORDER-2069 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	519
10.20 X 0INVALID-ORDER-2070 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	519
$10.20 \text{XI-INVALID-ORDER-} 2071 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	
$10.20 \Re \text{INVALID-ORDER-} 2072 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \qquad . \qquad $	2(
$10.20 \% \text{INVALID-ORDER-} 2073 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $	
10.20 X 4INVALID-ORDER-2074 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_5}{C_6 s}\right)$.	2(
$10.20 \text{NS-INVALID-ORDER-} 2075 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad . \qquad $	2(
10.20 X6 INVALID-ORDER-2076 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$.	
$10.20 \text{X7} \text{INVALID-ORDER-} 2077 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $	
10.20 78 INVALID-ORDER-2078 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	2(
	2(
10.20 SO INVALID-ORDER-2080 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	2(
10.20 XI-INVALID-ORDER-2081 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 \right)$	21
10.20 2 INVALID-ORDER-2082 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$	2
10.20 SINVALID-ORDER-2083 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	21

10 2034 INVALID OPDED 2024 $Z(z)$ $\begin{pmatrix} p & 1 & p & 1 & R_3 & p & p & R_6 \end{pmatrix}$	ro:
10.20 X4 INVALID-ORDER-2084 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$. 521
10.20 \$\frac{85}{10}\$ INVALID-ORDER-2085 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6\right)$. 521
10.20 S INVALID-ORDER-2086 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 521
10.20 % INVALID-ORDER-2087 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 521
10.20 SS INVALID-ORDER-2088 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$. 521
10.20 39 INVALID-ORDER-2089 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$. 521
10.20 SO INVALID-ORDER-2090 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 521
10.20 XI-INVALID-ORDER-2091 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 522
10.20 \$\frac{1}{2}\$ INVALID-ORDER-2092 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 522
10.20 \$\frac{1}{3}\$ INVALID-ORDER-2093 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 522
$10.20 \% \text{INVALID-ORDER-} 2094 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \dots $. 522
10.20 \$\frac{1}{2}\$ INVALID-ORDER-2095 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right)$. 522
$10.20\% \text{INVALID-ORDER-} 2096 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $. 522
10.20 % INVALID-ORDER-2097 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$. 522
10.20 SNALID-ORDER-2098 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 522
10.20 30 INVALID-ORDER-2099 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 522
10.21\ \mathrm{MO} \text{INVALID-ORDER-2100} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1} \right) \tag{5.}	. 522
10.21XI-INVALID-ORDER-2101 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 523
10.21\text{NVALID-ORDER-2102} $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots$. 523
10.21\mathbb{R}INVALID-ORDER-2103 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right)$. 523
$10.21 \text{ M}4 \text{ INVALID-ORDER-} 2104 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \qquad \dots $. 523
10.21\(\mathbb{S}\) INVALID-ORDER-2105 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right)$. 523
10.21 % INVALID-ORDER-2106 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 523
$10.21 \text{ X} \text{INVALID-ORDER-2107 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $. 523
10.21\&INVALID-ORDER-2108 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)'$. 523
10.21\Delta INVALID-ORDER-2109 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$. 523
$10.21 \text{MOINVALID-ORDER-} 2110 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 523
$10.21 \text{XI-INVALID-ORDER-} 2111 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$10.21 \times \text{INVALID-ORDER-} 2112 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) $. 524
10.21 XS INVALID-ORDER-2113 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	
10.21 X4 INVALID-ORDER-2114 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 524
10.21 X5 INVALID-ORDER-2115 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
$10.21 \text{NGINVALID-ORDER-} 2116 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$. 524
10.21 X7INVALID-ORDER-2117 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
10.21 No Invalidation or Derivative ($R_1 + \frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}$)	. 524
10.21 X9 INVALID-ORDER-2119 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 524
$10.2120 \text{ INVALID-ORDER-} 2120 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right)' \qquad \dots $. 524
10.21 XI -INVALID-ORDER-2121 $Z(s) = (R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6)$. 525
$10.21 \text{XI-INVALID-ORDER-} 2121 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $ $10.21 \text{XI-INVALID-ORDER-} 2122 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) $. 525
10.21 X3 INVALID-ORDER-2123 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 52

$10.21 \text{ $\frac{1}{2}$ INVALID-ORDER-2124 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $	25
$10.2125 \text{ INVALID-ORDER-} 2125 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	25
$10.2126 \text{ INVALID-ORDER-} 2126 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	25
$10.21 \text{ \mathbb{Z}-INVALID-ORDER-2127 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	25
$10.2128 \text{INVALID-ORDER-} 2128 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	25
$10.2129 \text{ INVALID-ORDER-} 2129 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6\right) \dots $	25
$10.2130 \text{ INVALID-ORDER-} 2130 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	25
10.21 XI -INVALID-ORDER-2131 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right)$	26
10.21 \$\frac{32}{2}\$ INVALID-ORDER-2132 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)$	26
10.2133 INVALID-ORDER-2133 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	26
10.21 \times INVALID-ORDER-2134 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	26
10.2135 INVALID-ORDER-2135 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	26
$10.2136 \text{ INVALID-ORDER-} 2136 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	26
$10.21 \Im \text{TINVALID-ORDER-} 2137 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \ \dots $	26
10.2138 INVALID-ORDER-2138 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	26
10.2139 INVALID-ORDER-2139 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	26
$10.21240 \text{ INVALID-ORDER-} 2140 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	26
$10.21 \text{ XL-INVALID-ORDER-} 2141 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	27
$10.21 \times 2 \text{INVALID-ORDER-} 2142 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $	27
$10.21 \text{ 33} \text{ INVALID-ORDER-} 2143 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	27
$10.21 \text{ $\underline{\mathcal{M}}$ INVALID-ORDER-2144 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	27
10.2125 INVALID-ORDER-2145 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$	27
10.2126 INVALID-ORDER-2146 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	27
$10.21 \text{ X} \text{-INVALID-ORDER-2147 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	
10.21\(\frac{18}{28}\) INVALID-ORDER-2148 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.21339 INVALID-ORDER-2149 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.21 NO INVALID-ORDER-2150 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
$10.21 \text{M-INVALID-ORDER-} 2151 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	28
$10.21 \Sigma INVALID-ORDER-2152 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad . \qquad $	28
$10.21 \Im \text{INVALID-ORDER-} 2153 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $	
$10.21 \text{ M-INVALID-ORDER-} 2154 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	
$10.21 \% \text{INVALID-ORDER-} 2155 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{R_5}{C_6 R_6 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	28
10.21 S INVALID-ORDER-2156 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
$10.21 \times \text{INVALID-ORDER-} 2157 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	
$10.21 \% \text{INVALID-ORDER-} 2158 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	
$10.21 \text{MOINVALID-ORDER-} 2159 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	28
10.2180 INVALID-ORDER-2160 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
$10.21 \& \text{LID-ORDER-} 2161 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	
10.21\(\text{2INVALID-ORDER-2162} \) $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s} \right) $	29
$10.2163 \text{ INVALID-ORDER-} 2163 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	29

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322B NYALDO ORDER 200 (7 t 1 t 1 t 2 t	$(\) \ (\ $	
1978(INALIDORIES 2007 (c) = [6, + 4 + 5 - 元元元 - 六 - 元 - 元 - 元元元 - 元 - 元元元 - 元元		
SOZENNYM TO PORT 1288		
50.228 INVALID ORDIT 200		53
1922BINVALID ORDER 2017 (2) = (R + かっ の の の の の の の の の の の の の の の の の の)3:
10 ZERINVALID-ORDER 2017 $Z(r) = \left(R_1 - \frac{1}{r_1}, \frac{1}{r_2} \frac{1}{r_3} \frac{1}{r_4}, \frac{1}{r_4}, \frac{1}{r_5} \frac{1}{r_5} \frac{1}{r_5}, \frac{1}{r_5} \frac{1}{r_5}, \frac{1}{r_5} \frac{1}{r_5$		j3:
18.228 INVALID ORDRI 2212 2(s) = $(R_1 + \frac{1}{1+c_1} + \frac{1}{1+c_2} + \frac{1}{1+c_3} + $		53
1022BINVALID ORDER 2212 $Z(s) = (R_1 + \frac{1}{4}c_1 - \frac{1}{4}c_2 + \frac{1}{4}c_3 + \frac{1}{4}c_4 - \frac{1}{4}c_4 + $	\ -1.12.12.1.10.10.10.10.10.10.10.10.10.10.10.10.1	j34
10.228.NYALID ORDRE 2213 $Z(s) = (R_1 + \frac{1}{c_1}, \dots, \frac{R_{11}}{R_{11}}, \frac{1}{c_2}, \frac{1}{C_{11}}, \dots, \frac{R_{11}}{R_{11}}, \frac{1}{C_{12}}, \dots, \frac{R_{11}}{R_{11}}, \frac{1}{R_{12}}, \dots, \frac{R_{11}}{R_{12}})$ 10.228.NYALID ORDRE 2215 $Z(s) = (R_1 + \frac{1}{c_2}, \dots, \frac{R_{11}}{R_{11}}, \frac{1}{R_{12}}, \frac{1}{R_{12}$		j3/
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$10.22 \text{K} \text{INVALID-ORDER-2213} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	j3,
10 225 INVALID-ORDER-2217 $Z(s) = (R_1 + \frac{1}{C_{11}}, \frac{1}{C_{10}}, $	$10.22 \text{X4INVALID-ORDER-} 2214 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	j3,
16.2226 INVALID-ORDER 221 $Z(s) = \left(R_1 + \frac{1}{c_{12}}, \frac{c_{R_{1}}^{2}}{c_{R_{1}}^{2}}, c_{R_{1$	$10.22 \text{K}5 \text{INVALID-ORDER-} 2215 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	j3:
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10.22 N 6INVALID-ORDER-2216 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	53
$ \begin{aligned} & 10.2290 \text{INVALID ORDER 2219 } Z(s) &= \left(R_1 + \frac{1}{C_{11}}, \frac{R_{11}}{C_{12}} + \frac{R_{11}}{C_{12}} + \frac{R_{12}}{C_{12}} + \frac{R_{2}}{C_{12}} + \frac{R_{2}}{C_{12}} + \frac{R_{2}}{C_{22}} + \frac{R_{2}}{C_{22}} + \frac{1}{C_{22}} + \frac{1}{C_{22$	$10.22 \text{K-INVALID-ORDER-} 2217 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	j3.
10.2226 INVALID-ORDER-2220 $Z(s) = \left(R_1 + \frac{1}{C_{11}}, \frac{1}{C_{12}}, $	10.22 NALID-ORDER-2218 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	53
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10.22 X9 INVALID-ORDER-2219 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	53
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10.22 X0 INVALID-ORDER-2220 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	j3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10.22 XI-INVALID-ORDER-2221 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	53
$ \begin{array}{c} 10.222\text{SINVALID-ORDER-2224} \ Z(s) = \left(R_1 + \frac{1}{C_{12}} , \frac{C_{12}}{C_{12}} , \frac{1}{C_{21}} , \frac{1}{C_{12}} , \frac{1}{C$	10.22 INVALID-ORDER-2222 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	53
$ \begin{aligned} & 10.22\mathbf{X} \text{INVALID-ORDER-2225} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2227} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2227} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} + \frac{1}{C_2}, \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2227} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} + \frac{1}{C_2}, \frac{1}{C_2} - \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2228} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} - \frac{1}{C_2} - \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2229} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} - \frac{1}{C_2} - \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2230} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} - \frac{1}{C_2} - \frac{1}{C_2} - \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2231} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} \right) - \frac{1}{C_2}, \frac{1}{C_2} - \frac{1}{C_2} \right) & 53 \\ & 10.22\mathbf{X} \text{INVALID-ORDER-2331} \ Z(s) = \left(R_1 + \frac{1}{C_1}, \frac{1}{C_2}, \frac{1}{C_2} - \frac$	10.22\mathbb{X}INVALID-ORDER-2223 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	53
$ \begin{array}{ll} 10.2226 \text{INVALID-ORDER-} & 2226 \ Z(s) = \left(R_1 + \frac{1}{C_{13}}, \frac{R_0}{C_{R_{2}}R_{3}} + \frac{1}{C_{3}}, \frac{R_0}{C_{2}}R_{3}} + \frac{1}{C_{2}}, \frac{R_0}{C_{2}}R_{3}} + \frac{1}{C_{2}}, $	10.22 X4 INVALID-ORDER-2224 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	53
$ \begin{array}{c} 10.222\text{NIVALID-ORDER-} \\ 2222 \text{INVALID-ORDER-} \\ 2222 \text{INVALID-ORDER-} \\ 2228 \text{INVALID-ORDER-} \\ 2238 \text{INVALID-ORDER-} \\ 2248 INVAL$	10.22 X5 INVALID-ORDER-2225 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	53
$ \begin{array}{lll} 10.2228 \text{INVALID-ORDER-} & 2228 \ Z(s) = \left(R_1 + \frac{1}{1_{12}}, \frac{R_2}{C_{18}+1}, \frac{R_4}{C_{28}} + \frac{1}{C_{28}}, \frac{R_4}{C_{18}+1}, R_6\right) & 53 \\ 10.2229 \text{INVALID-ORDER-} & 2229 \ Z(s) = \left(R_1 + \frac{1}{1_{12}}, \frac{R_2}{C_{18}+1}, \frac{R_4}{C_{28}} + \frac{1}{C_{28}}, \frac{R_4}{C_{18}+1}, \frac{1}{C_{28}}\right) & 53 \\ 10.2234 \text{INVALID-ORDER-} & 2230 \ Z(s) = \left(R_1 + \frac{1}{1_{12}}, \frac{R_2}{C_{28}+1}, \frac{1}{C_{28}}, \frac{R_4}{C_{28}+1}, \frac{1}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{1}{C_{28}}\right) & 53 \\ 10.2234 \text{INVALID-ORDER-} & 2231 \ Z(s) = \left(R_1 + \frac{1}{1_{12}}, \frac{R_2}{C_{28}+1}, \frac{R_4}{C_{28}} + \frac{1}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}+1}\right) & 53 \\ 10.2234 \text{INVALID-ORDER-} & 2232 \ Z(s) = \left(R_1 + \frac{1}{1_{12}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}} + \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}\right) & 53 \\ 10.2234 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{1_{12}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}\right) & 53 \\ 10.2234 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{C_{12}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}\right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{C_{12}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}\right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{C_{12}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}\right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{C_{12}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}}\right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{C_{12}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}}\right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2238 \ Z(s) = \left(R_1 + \frac{1}{C_{12}}, \frac{R_8}{C_{28}+1}, \frac{1}{C_{28}}, \frac{R_8}{C_{28}+1}, \frac{R_8}{C_{28}}, \frac{R_8}{C_{28}+1}\right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2239 \ Z(s) = \left(R_1 + \frac{1}{$	$10.22\% \text{INVALID-ORDER-} 2226 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	53
$ \begin{array}{lll} 10.2229 \text{INVALID-ORDER-} & & & & & & & & & & & & & & & & & & &$	$10.22 \times \text{INVALID-ORDER-} 2227 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	53
$ \begin{array}{ll} 10.2230 \text{INVALID-ORDER-} & 2230 \ Z(s) = \left(R_1 + \frac{1}{c_1s}, \ \frac{R_2}{c_1 k_2 + 1}, \ \frac{L}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{L}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}$	$10.22 \text{NVALID-ORDER-} 2228 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $	53
$ \begin{array}{ll} 10.2230 \text{INVALID-ORDER-} & 2230 \ Z(s) = \left(R_1 + \frac{1}{c_1s}, \ \frac{R_2}{c_1 k_2 + 1}, \ \frac{L}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{L}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}{c_2 k_2 + 1}, \ \frac{R_3}{c_2 s} + \frac{1}{c_2 s}, \ \frac{R_3}$	$10.22 \mathfrak{W} \text{INVALID-ORDER-} 2229 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	53
$ \begin{array}{lll} 10.2239 \text{INVALID-ORDER-} & 2232 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_1}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_1}{C_6 R_5 s} \right) & 53 \\ 10.2233 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_1}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2234 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_1}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2235 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_1}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2237 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2237 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_4 R_4 s + 1}, \frac{R_5}{C_5 s}, \frac{1}{C_6 s} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2238 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_4 R_4 s + 1}, \frac{R_5}{C_5 s}, \frac{1}{C_6 s} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2239 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_4 R_4 s + 1}, \frac{R_5}{C_5 s}, \frac{1}{C_6 R_5 s + 1} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2240 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_6}{C_2 R_2 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_6 s + 1}, \frac{1}{C_6 s} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2241 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_5}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{1}{C_6 s} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2242 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_5}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{1}{C_6 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{1}{C_6 s} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 2242 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_5}{C_6 R_5 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_5 s + 1}, \frac{1}{C_6 R_5 s + 1}, \frac{1}{C_6 s}, \frac{1}{C_6 R_5 s + 1}, \frac{1}{C_6 R_5 s + 1} \right) & 53 \\ 10.2235 \text{INVALID-ORDER-} & 22$	10.2230 INVALID-ORDER-2230 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	53
$ \begin{array}{llll} 10.2233 \text{INVALID-ORDER-} & 2233 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3}, \frac{R_4}{C_4R_3s+1}, R_5, R_6 + \frac{1}{C_6s} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2234 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2235 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_{s}}, \frac{R_6}{C_6R_6s+1} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2236 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{R_5}, \frac{1}{C_6R_5}, \frac{R_6}{C_6R_6s+1} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2237 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_5s} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2238 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_5s} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2238 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5s}, \frac{1}{C_6s} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2238 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5s}, \frac{1}{C_6R_5s+1} \right) & 53 \\ 10.2236 \text{INVALID-ORDER-} & 2240 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5s}, \frac{1}{C_6R_5s+1}, \frac{1}{C_6s} \right) & 53 \\ 10.2232 \text{INVALID-ORDER-} & 2241 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_5}{C_6s}, \frac{R_5}{C_6R_5s+1} \right) & 53 \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, \frac{R_4}{C_3s}, \frac{R_5}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_5}{C_6R_5s+1} \right) & 53 \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_5}{C_2R_2s+1}, \frac{R_5}{C_3s}, \frac{R_5}{C_4R_5s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_5}{C_6R_5s+1} \right) & 53 \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_5}{C_5R_5s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_5}{C_5R_$		
$ \begin{array}{lll} 10.2234 \text{INVALID-ORDER-} & 2234 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.2235 \text{INVALID-ORDER-} & 2235 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.2236 \text{INVALID-ORDER-} & 2236 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \\ 10.2236 \text{INVALID-ORDER-} & 2237 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \\ 10.2236 \text{INVALID-ORDER-} & 2238 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 s} \right) \\ 10.2236 \text{INVALID-ORDER-} & 2238 \ Z(s) & = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.2236 \text{INVALID-ORDER-} & 2239 \ Z(s) & = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.2236 \text{INVALID-ORDER-} & 2240 \ Z(s) & = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_4}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_4}{C_5 R_5 s + 1}, \ \frac{1}{C_5 s} \right) \\ 10.2236 \text{INVALID-ORDER-} & 2242 \ Z(s) & = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_4}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 s + 1} \right) \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) & = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 s + 1} \right) \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) & = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 s + 1} \right) \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) & = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 s + 1}, \ \frac{R_5}{C_6 R_5 $	10.2232 INVALID-ORDER-2232 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	53
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	$10.2233 \text{ INVALID-ORDER-} 2233 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	53
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	$10.2234 \text{ INVALID-ORDER-} 2234 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)' \qquad \dots $	ί 3
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	$10.2235 \text{ INVALID-ORDER-} 2235 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	53
$ \begin{array}{l} 10.2237 \text{INVALID-ORDER-} & 2237 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \\ 10.2238 \text{INVALID-ORDER-} & 2238 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \\ 10.2239 \text{INVALID-ORDER-} & 2239 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.2239 \text{INVALID-ORDER-} & 2240 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \\ 10.2232 \text{INVALID-ORDER-} & 2241 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_5}{C_6 R_6 s + 1} \right) \\ 10.2232 \text{INVALID-ORDER-} & 2242 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_5}{C_6 R_6 s + 1} \right) \\ 10.2232 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} \\ & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-} & 282 \text{INVALID-} \\ & 282 \text{INVALID-}$	10.2236 INVALID-ORDER-2236 $Z(s) = (R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6)$	53
$ 10.2239 \text{INVALID-ORDER-} 2239 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $ $ 10.2230 \text{INVALID-ORDER-} 2240 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) $ $ 10.2232 \text{INVALID-ORDER-} 2241 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) $ $ 10.2232 \text{INVALID-ORDER-} 2242 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $ $ 536 \text{INVALID-ORDER-} 2242 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $		
	10.2239 INVALID-ORDER-2239 $Z(s) = \left(R_1 + \frac{1}{2}, \frac{R_2}{2}, \frac{1}{2}, \frac{R_3}{2}, \frac{1}{2}, \frac{R_4}{2}, \frac{R_5}{2}, \frac{1}{2}, \frac{R_6}{2}\right)$	530
$10.22 \text{M-INVALID-ORDER-} 2241 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	10.22 M INVALID-ORDER-2240 $Z(s) = (R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_2 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s})$	530
10.22\PiNVALID-ORDER-2242 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ 10.22\PiNVALID-ORDER-2243 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$ 53	10.22 XI -INVALID-ORDER-2241 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_4 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	53
10.22 X3 INVALID-ORDER-2243 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	10.22\PiNVALID-ORDER-2242 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	53
I = -1 , $I = I$, $I =$	10.22 XS INVALID-ORDER-2243 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	53'

$10.22 \times 4 \text{INVALID-ORDER-} \\ 2244 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ R_6 + \frac{1}{C_6 s} \right) \ \dots \\ \dots$. 537
10.22 \$\frac{1}{2}\$ INVALID-ORDER-2245 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 537
10.2236 INVALID-ORDER-2246 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 537
$10.22 \text{ $\overline{\textbf{X7}}$ INVALID-ORDER-2247 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right) \dots \dots$. 537
10.2238 INVALID-ORDER-2248 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 537
10.2239 INVALID-ORDER-2249 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 537
$10.22 \text{MOINVALID-ORDER-} 2250 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 537
10.22 XI-INVALID-ORDER-2251 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 538
10.22 \$\frac{3}{2}\$ INVALID-ORDER-2252 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 538
10.22 SS INVALID-ORDER-2253 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 538
10.22 X4 INVALID-ORDER-2254 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 538
10.2235 INVALID-ORDER-2255 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 538
$10.22 \% \text{INVALID-ORDER-} 2256 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right) $. 538
$10.22 \text{M7INVALID-ORDER-} 2257 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $. 538
10.22 SNALID-ORDER-2258 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 538
10.2239 INVALID-ORDER-2259 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 538
10.2280 INVALID-ORDER-2260 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 538
$10.22 \text{\&l-INVALID-ORDER-} 2261 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $. 539
10.2282 INVALID-ORDER-2262 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$. 539
$10.22 \text{ (S)} INVALID-ORDER-2263 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 539
$10.22\%4 \text{INVALID-ORDER-} 2264 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 539
10.2285 INVALID-ORDER-2265 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 539
$10.2256 \text{ INVALID-ORDER-} 2266 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s} \right) \dots $. 539
$10.22 \text{ \mathbb{Z} FINVALID-ORDER-2267 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s} \right) \dots $. 539
10.22 SINVALID-ORDER-2268 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$. 539
10.22 SQ INVALID-ORDER-2269 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
10.22 TO INVALID-ORDER-2270 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_5 s}, \frac{1}{C_5 s}, \frac{1}{C_5 s}, \frac{1}{C_5 s}, \frac{1}{C_5 s}\right)$. 539
$10.22 \text{XI-INVALID-ORDER-} 2271 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $. 540
$10.22 \times INVALID-ORDER-2272 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) $ $10.22 \times INVALID-ORDER-2273 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $ $10.22 \times INVALID-ORDER-2273 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $. 540
10.22 TS INVALID-ORDER-2273 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 540
$10.22 \text{ M-INVALID-ORDER-2274 } Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s} \right) \dots $	
10.22 X5 INVALID-ORDER-2275 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$. 540
$10.22\% \text{INVALID-ORDER-} 2276 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \dots $	
$10.22 \times \text{INVALID-ORDER-} 2277 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $. 540
$10.22\% \text{INVALID-ORDER-} 2278 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \dots $. 540
10.22 X9 INVALID-ORDER-2279 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 540
10.22 SO INVALID-ORDER-2280 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 540
10.22 SI-INVALID-ORDER-2281 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$	
10.22\mathbb{2}INVALID-ORDER-2282 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 54
$10.22 \$3 \text{ INVALID-ORDER-} 2283 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 54

$10.22 \$4 \text{ INVALID-ORDER-} 2284 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 541
$10.2285 \text{ INVALID-ORDER-} 2285 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \ \dots $. 541
10.22\lefta INVALID-ORDER-2286 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 541
$10.22\$7 \text{INVALID-ORDER-} 2287 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 541
10.22 SINVALID-ORDER-2288 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 541
$10.22 \$9 \text{ INVALID-ORDER-} 2289 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 541
10.22 NO INVALID-ORDER-2290 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 541
$10.22 \text{M-INVALID-ORDER-} 2291 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 542
10.22\$\text{2INVALID-ORDER-2292} $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$. 542
10.22\$\Sinvalid Invalid For Derivative (R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_3 R_3 s + 1}, \frac{R_4}{C_6 s}\) \qquad \qqqq \qqqqq \qqqq \qqqq \qqqq \qqqq \qqqq \qqqqq \qqqq \qq	. 542
10.22 \$\frac{\pi}{24}\$ INVALID-ORDER-2294 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 542
10.22% INVALID-ORDER-2295 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 542
$10.22\% \text{ INVALID-ORDER-} 2296 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 \right) $. 542
10.22\$\frac{3}{7}\$INVALID-ORDER-2297 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 542
10.2238 INVALID-ORDER-2298 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 542
$10.2239 \text{INVALID-ORDER-} 2299 \ Z(s) = \left\langle R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right\rangle \qquad \dots $. 542
10.23 \text{0} INVALID-ORDER-2300 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 \right)$. 542
$10.23 \text{XI-INVALID-ORDER-} 2301 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $. 543
10.23\mathbb{Q}:INVALID-ORDER-2302 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 543
$10.2303 \text{ INVALID-ORDER-} 2303 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 543
$10.23 \text{M4INVALID-ORDER-} 2304 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $. 543
$10.2305 \text{ INVALID-ORDER-} 2305 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 543
$10.23 \% \text{INVALID-ORDER-} 2306 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 543
$10.23 \text{ N7-INVALID-ORDER-} 2307 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 543
10.23\&INVALID-ORDER-2308 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 \right)$. 543
10.23\mathbb{O}\mathbb{INVALID-ORDER-2309} $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s} \right)$	
10.23 NO INVALID-ORDER-2310 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 543
$10.23 \text{XI-INVALID-ORDER-} 2311 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 544
10.23 X2 INVALID-ORDER-2312 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$ 10.23 X3 INVALID-ORDER-2313 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 544
10.23 XS INVALID-ORDER-2313 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 544
$10.23 \text{M-INVALID-ORDER-} 2314 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \qquad \dots $. 544
$10.23 \text{KS} \text{INVALID-ORDER-} 2315 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 544
10.23 Y6 INVALID-ORDER-2316 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 544
$10.23 \text{ XFINVALID-ORDER-} 2317 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $. 544
10.23 NVALID-ORDER-2318 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 544
$10.23 \text{MOINVALID-ORDER-} 2319 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $ $10.23 \text{MOINVALID-ORDER-} 2320 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) \dots $. 544
10.23 20 INVALID-ORDER-2320 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{R_5}\right)$. 544
10.23 XI -INVALID-ORDER-2321 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
10.23 X2 INVALID-ORDER-2322 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 548
$10.23\mathbf{X}\text{INVALID-ORDER-}2323 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 545

10.23 X4 INVALID-ORDER-2324 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	545
$10.2325 \text{ INVALID-ORDER-} 2325 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \ \dots $	545
$10.2326 \text{ INVALID-ORDER-} 2326 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	545
$10.23 \mathbf{Z} \text{-INVALID-ORDER-} 2327 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	545
10.23 28 INVALID-ORDER-2328 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	545
$10.2329 \text{ INVALID-ORDER-} 2329 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	545
$10.2330 \text{ INVALID-ORDER-} 2330 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	545
$10.23 \text{M-INVALID-ORDER-} 2331 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	546
10.23 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	546
10.2333 INVALID-ORDER-2333 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	546
10.23 X4 INVALID-ORDER-2334 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	546
10.2335 INVALID-ORDER-2335 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	546
10.23 36 INVALID-ORDER-2336 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	546
10.23 37 INVALID-ORDER-2337 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	546
10.2338 INVALID-ORDER-2338 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	546
10.2339 INVALID-ORDER-2339 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	546
10.23 20 INVALID-ORDER-2340 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	546
$10.23 \text{M-INVALID-ORDER-} 2341 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	547
$10.23 22 \text{INVALID-ORDER-} 2342 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $	547
$10.23 \$S \text{INVALID-ORDER-} 2343 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	547
10.23 \text{24} INVALID-ORDER-2344 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$	547
$10.23 25 \text{ INVALID-ORDER-} 2345 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	547
$10.23 \% \text{INVALID-ORDER-} 2346 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	547
$10.23 \times 7 \text{INVALID-ORDER-} 2347 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	547
10.2348 INVALID-ORDER-2348 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	547
$10.2349 \text{ INVALID-ORDER-} 2349 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	547
$10.23 \text{M-INVALID-ORDER-} 2350 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	547
$10.23 \times \text{INVALID-ORDER-} 2351 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	548
$10.23 \Sigma INVALID-ORDER-2352 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) $	548
$10.23 \$3 \text{INVALID-ORDER-} 2353 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	548
$10.23 \text{M-INVALID-ORDER-} 2354 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	548
$10.23 \% \text{INVALID-ORDER-} 2355 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	548
$10.23\% \text{INVALID-ORDER-} 2356 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3, \ R_4, \ R_5, \ R_6\right) \dots \dots$	
10.23 \$\frac{\frac{\text{7}}{\text{TINVALID-ORDER-2357}}}{Z(s)} = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5, \frac{1}{C_6 s} \right)	548
10.23 SINVALID-ORDER-2358 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	548
10.23 SO INVALID-ORDER-2359 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.23 NO INVALID-ORDER-2360 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	548
$10.23 \text{KLID-ORDER-} 2361 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) $	549
10.2362 INVALID-ORDER-2362 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	549
10.23\&INVALID-ORDER-2363 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	549

10.23 X INVALID-ORDER-2364 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.23 S INVALID-ORDER-2365 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.23 % INVALID-ORDER-2366 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$
10.23\(\text{87-INVALID-ORDER-2367} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_6}{C_6 R_6 s + 1} \right) \ \tag{1.5} \]
10.23\&INVALID-ORDER-2368 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.23 (3) INVALID-ORDER-2369 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.23 X 0INVALID-ORDER-2370 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
10.23 X -INVALID-ORDER-2371 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.23 T2 INVALID-ORDER-2372 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$.
10.23 TS INVALID-ORDER-2373 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
10.23 X INVALID-ORDER-2374 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
10.23 % INVALID-ORDER-2375 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.23 X6 INVALID-ORDER-2376 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$
10.23 TAINVALID-ORDER-2377 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.23 No INVALID-ORDER-2378 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.23 X9 INVALID-ORDER-2379 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.23 NO INVALID-ORDER-2380 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
10.23 XI-INVALID-ORDER-2381 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_6 R_6 s + 1}\right)$
10.23 2 INVALID-ORDER-2382 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.23 SINVALID-ORDER-2383 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.23 \$\text{MINVALID-ORDER-2384} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s} \right) \tag{5}. \tag{5}.
10.2385 INVALID-ORDER-2385 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.23 % INVALID-ORDER-2386 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
10.23\frac{\text{X7}}{INVALID-ORDER-2387} Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s} \right)
10.23 SINVALID-ORDER-2388 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
10.23 SO INVALID-ORDER-2389 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.23 NO INVALID-ORDER-2390 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$
10.23 XI-INVALID-ORDER-2391 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$
$10.23\mathfrak{D}\text{INVALID-ORDER-}2392\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ R_2,\ R_3,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{R_6}{C_6R_6s+1}\right) \qquad $
10.23% INVALID-ORDER-2393 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.23 X4 INVALID-ORDER-2394 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.23% INVALID-ORDER-2395 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
10.23% INVALID-ORDER-2396 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
10.23 TINVALID-ORDER-2397 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.23\% \text{INVALID-ORDER-} 2398 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots \dots$
10.23 \text{39} INVALID-ORDER-2399 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
$10.24 \text{MOINVALID-ORDER-} 2400 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $
10.24 X LID-ORDER-2401 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.24\text{NVALID-ORDER-2402} $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.24 \% \text{INVALID-ORDER-} 2403 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \qquad . \qquad $

$10.24 \text{MAINVALID-ORDER-} 2404 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	553
10.24%5 INVALID-ORDER-2405 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_6 s}, R_6 + \frac{1}{C_6 s}\right)$	553
10.24\(\mathbb{O}\) invalid-order 2406 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)$	553
$10.24 \text{M7} \text{INVALID-ORDER-} 2407 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 R_5}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	553
10.24\infty Invalidation ORDER-2408 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	553
10.24 X9 INVALID-ORDER-2409 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	553
10.24 NO INVALID-ORDER-2410 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	553
$10.24 \text{X-INVALID-ORDER-} 2411 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	55
10.24 \mathbb{R} INVALID-ORDER-2412 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	554
$10.24 \text{ \% INVALID-ORDER-} 2413 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	55
$10.24 \text{M-INVALID-ORDER-2414} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	55
10.24 X5 INVALID-ORDER-2415 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	55^{2}
10.24 NG INVALID-ORDER-2416 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	554
$10.24 \text{ X-INVALID-ORDER-} 2417 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	55
10.24 No Invalidation of the state of the s	554
10.24 XO INVALID-ORDER-2419 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	554
10.24 X0 INVALID-ORDER-2420 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	554
10.24 X -INVALID-ORDER-2421 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	55
10.24 X2 INVALID-ORDER-2422 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	55
10.24 X3 INVALID-ORDER-2423 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	55
$10.24 X4 INVALID-ORDER-2424 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	55
10.24 X5 INVALID-ORDER-2425 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	55
$10.24 \% \text{INVALID-ORDER-} 2426 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	55
$10.24 \text{X7} \text{INVALID-ORDER-} 2427 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $	55
10.24 28 INVALID-ORDER-2428 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	55
10.24 29 INVALID-ORDER-2429 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	55
$10.2430 \text{ INVALID-ORDER-} 2430 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	55
$10.24 \text{M-INVALID-ORDER-} 2431 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	550
$ \begin{array}{c} \text{10.2432INVALID-ORDER-2432} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \end{pmatrix} \\ \text{10.2433INVALID-ORDER-2433} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_1 R_1 s + 1}, \ R_3, \ \frac{1}{C_1 R_1 s + 1}, \ R_5 + \frac{1}{C_1 R_1 s + 1}, \ R_5 + \frac{1}{C_1 R_1 s + 1}, \ R_5 + \frac{1}$	550
$10.2433 \text{ INVALID-ORDER-} 2433 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $	550
$10.24\% \text{INVALID-ORDER-} 2434 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $	556
$10.2435 \text{ INVALID-ORDER-} 2435 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	550
$10.2436 \text{ INVALID-ORDER-} 2436 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	556
$10.24 \Im \text{INVALID-ORDER-} 2437 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	550
$10.2438 \text{ INVALID-ORDER-} 2438 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	556
10.24 39 INVALID-ORDER-2439 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	556
10.2430 INVALID-ORDER-2440 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	550
$10.24 \text{M-INVALID-ORDER-} 2441 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	55'
$10.2422 \text{ INVALID-ORDER-} 2442 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots $	55'
$10.24 \text{MSINVALID-ORDER-} 2443 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $	55'

$10.24 \text{ \% INVALID-ORDER-} 2444 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_5 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	557
10.24 25 INVALID-ORDER-2445 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	557
$10.2426 \text{INVALID-ORDER-} 2446 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	557
$10.24 X7 INVALID-ORDER-2447 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \ \dots $	557
10.24 INVALID-ORDER-2448 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	557
10.24 XO INVALID-ORDER-2449 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	557
$10.24 MOINVALID-ORDER-2450 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ \dots $	557
10.24 XI-INVALID-ORDER-2451 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$	558
10.24 \$\frac{1}{2}\$ INVALID-ORDER-2452 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	558
$10.24 33 \text{ INVALID-ORDER-} 2453 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	558
10.24 X INVALID-ORDER-2454 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	558
10.24 \$\frac{1}{2}\$ INVALID-ORDER-2455 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	558
$10.24\% \text{INVALID-ORDER-} 2456 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad \dots $	558
$10.24 \text{ \overline{M}} \text{INVALID-ORDER-} 2457 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	558
10.24 SINVALID-ORDER-2458 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	558
10.24 INVALID-ORDER-2459 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	558
10.24\text{XOINVALID-ORDER-2460 } $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ R_2, \ R_3 + \frac{1}{C_4s}, \ R_5 + \frac{1}{C_5s}, \ \frac{1}{C_6s}\right)$	558
$10.24 \text{ XI-INVALID-ORDER-} 2461 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	559
$10.2462 \text{ INVALID-ORDER-} 2462 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	559
$10.24 \% \text{INVALID-ORDER-} 2463 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	559
$10.24\% \text{INVALID-ORDER-} 2464 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_4 s}, \ \frac{1}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $	559
10.2485 INVALID-ORDER-2465 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_4s}, \frac{1}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	559
$10.24\% \text{INVALID-ORDER-} 2466 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	559
10.24\(\text{X7-INVALID-ORDER-2467} \) $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_4 s}, \ R_5, \ R_6 \right)$	559
10.24 (S) INVALID-ORDER-2468 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	559
10.24 X INVALID-ORDER-2469 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
$10.24 \text{NOINVALID-ORDER-} 2470 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_4 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots \dots \dots \dots \dots \dots \dots \dots $	559
$10.24 \text{ \mathbb{Z}-INVALID-ORDER-2471 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 \right) $	560
10.24 X2 INVALID-ORDER-2472 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	560
10.24 TS INVALID-ORDER-2473 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	560
$10.24\% \text{INVALID-ORDER-} 2474 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$	
10.24 TS INVALID-ORDER-2475 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
$10.24\% \text{INVALID-ORDER-} 2476 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $	
$10.24 \% \text{INVALID-ORDER-} 2477 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_5 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	560
10.24 No Invalidation (No Invalidation	560
$ (C_1R_1s+1)^{-1} - (C_4R_5s+1)^{-1} - (C_4s)^{-1} - (C_4s)^{-1} - (C_5s)^{-1} - (C_6R_6s+1)^{-1} $ $ (C_1R_1s+1)^{-1} - (C_4s)^{-1} - (C_4s)^{-1} - (C_5s)^{-1} - (C_6R_6s+1)^{-1} $ $ (C_1R_1s+1)^{-1} - (C_4s)^{-1} - (C_4s)^{-1} - (C_5s)^{-1} - (C_6R_6s+1)^{-1} $ $ (C_1R_1s+1)^{-1} - (C_4s)^{-1} - (C_4s)^{-1} - (C_5s)^{-1} - (C_6R_6s+1)^{-1} $ $ (C_1R_1s+1)^{-1} - (C_4s)^{-1} - (C_4s)^{-1} - (C_5s)^{-1} - (C_6R_6s+1)^{-1} $ $ (C_1R_1s+1)^{-1} - (C_4s)^{-1} - (C_4s)^{-1} - (C_4s)^{-1} - (C_6s)^{-1} -$	560
10.2480 INVALID-ORDER-2480 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_4s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	560
$10.24 \text{M-INVALID-ORDER-} 2481 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	561
$10.24 2 INVALID-ORDER-2482 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right)' \dots $	561
$10.24 \$3 \text{ INVALID-ORDER-} 2483 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6\right) \dots $	561

$10.24\$4 \text{ INVALID-ORDER-} 2484 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \qquad \dots $	56
10.24 \$\frac{85}{10}\$ INVALID-ORDER-2485 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$	56
$10.24\% \text{INVALID-ORDER-} 2486 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	56
10.24 X INVALID-ORDER-2487 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$	56
10.24 SINVALID-ORDER-2488 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	56
10.24 SO INVALID-ORDER-2489 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	56
$10.24 \mathfrak{M} \text{INVALID-ORDER-} 2490 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	56
10.24 \$\frac{1}{2} INVALID-ORDER-2491 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	56
10.24 NALID-ORDER-2492 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	562
10.24 SINVALID-ORDER-2493 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	565
$10.24\% \text{INVALID-ORDER-} 2494 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	562
10.24%5 INVALID-ORDER-2495 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$	562
10.24% INVALID-ORDER-2496 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	565
$10.24 \% \text{TINVALID-ORDER-} 2497 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	563
10.24 SNVALID-ORDER-2498 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	56
10.24 39 INVALID-ORDER-2499 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$	565
10.25 MO INVALID-ORDER-2500 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	563
10.25 XI-INVALID-ORDER-2501 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	56
$C_{1}K_{1}s+1$, $C_{3}K_{3}s+1$, $C_{5}s$, $C_{6}K_{6}s+1$	563
10.2503 INVALID-ORDER-2503 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	56
$C_1 R_1 s + 1$ $C_2 R_3 R_3 s + 1$ $C_5 R_5 C_6 s$	563
C_1R_1s+1 2 C_3R_3s+1 4 6 C_5s	563
$10.25 \% \text{INVALID-ORDER-} 2506 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	563
$10.25 \text{M-INVALID-ORDER-} 2507 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots \dots$	56
$10.2508 \text{INVALID-ORDER-} 2508 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) $ $10.2500 \text{INVALID-ORDER-} 2509 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	563
$10.25 \mathfrak{W} \text{INVALID-ORDER-} 2509 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_6 R_6 s + 1}\right) \qquad \dots $	563
10.25 W INVALID-ORDER-2510 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
$10.25 \text{ XI-INVALID-ORDER-} 2511 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s} \right) \qquad \dots $	56
$ \begin{array}{c} (C_{1}A_{1}s+1) & 2 & C_{3}A_{3}s+1 & C_{4}s & 5 & C_{6}s \\ \end{array}) \\ 10.25 \&\text{INVALID-ORDER-2512} \ Z(s) = \left(\frac{R_{1}}{C_{1}R_{1}s+1}, \ R_{2}, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ \frac{1}{C_{4}s}, \ R_{5}, \ \frac{R_{6}}{C_{6}R_{6}s+1} \right) \\ 10.25 \&\text{INVALID-ORDER-2513} \ Z(s) = \left(\frac{R_{1}}{C_{1}R_{1}s+1}, \ R_{2}, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ \frac{1}{C_{4}s}, \ \frac{1}{C_{5}s}, \ \frac{R_{6}}{C_{6}R_{6}s+1} \right) \\ 10.25 \&\text{INVALID-ORDER-2514} \ Z(s) = \left(\frac{R_{1}}{C_{1}R_{1}s+1}, \ R_{2}, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ \frac{1}{C_{4}s}, \ R_{5} + \frac{1}{C_{5}s}, \ R_{6} \right) \\ 10.25 \&\text{INVALID-ORDER-2515} \ Z(s) = \left(\frac{R_{1}}{C_{1}R_{1}s+1}, \ R_{2}, \ \frac{R_{3}}{C_{3}R_{3}s+1}, \ \frac{1}{C_{4}s}, \ R_{5} + \frac{1}{C_{5}s}, \ \frac{1}{C_{6}s} \right) \\ \end{array} $	564
10.25\mathbb{R}\text{INVALID-ORDER-2513} $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	564
10.25 X4 INVALID-ORDER-2514 $Z(s) = \left(\frac{R_1}{C_1 R_{11} + 1}, R_2, \frac{R_3}{C_3 R_{35} + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	564
10.25 K INVALID-ORDER-2515 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	56
10.25 No Invalid-Order-2516 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	564
$10.25 \text{ \color=beta} - 2517 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \qquad \dots $	564
10.25 No Invalidation of the second of the	564
$10.25 \text{MOINVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \\ 10.25 \text{MOINVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \\ \dots \\ $	56
10.25 AUNIVALID-ORDER-2520 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{L_4}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{L_{10}}{C_6R_6s+1}\right)$	564
$ \begin{array}{c} 10.25 \text{XI-INVALID-ORDER-} 2521 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 \right) \\ 10.25 \text{XI-INVALID-ORDER-} 2522 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s} \right) \\ \end{array} $	56
10.25 X 21NVALID-ORDER-2522 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$	56
10.25 XS INVALID-ORDER-2523 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	56

$10.25 \text{M-INVALID-ORDER-} 2524 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 565
10.25 25 INVALID-ORDER-2525 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$. 565
10.25 26 INVALID-ORDER-2526 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 565
10.25 27 -INVALID-ORDER-2527 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 565
10.25 28 INVALID-ORDER-2528 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$. 565
10.25 29 INVALID-ORDER-2529 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 565
10.2530 INVALID-ORDER-2530 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 565
10.25 XI-INVALID-ORDER-2531 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 566
10.2532 INVALID-ORDER-2532 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$. 566
10.2533 INVALID-ORDER-2533 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$. 566
10.25 X4 INVALID-ORDER-2534 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$. 566
10.25 35 INVALID-ORDER-2535 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 566
$10.2536 \text{ INVALID-ORDER-} 2536 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 566
10.25 37 INVALID-ORDER-2537 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$. 566
10.2538 INVALID-ORDER-2538 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$. 566
10.25 39 INVALID-ORDER-2539 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 566
$10.25 \text{MOINVALID-ORDER-} 2540 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 566
$10.25 \text{ \mathbb{A}-INVALID-ORDER-2541 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right)$. 567
$10.25 22 \text{INVALID-ORDER-} 2542 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $. 567
10.25 X3 INVALID-ORDER-2543 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 567
$10.25 \text{M-INVALID-ORDER-} 2544 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 567
$10.25 \% \text{INVALID-ORDER-} 2545 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 567
$10.25 \% \text{INVALID-ORDER-} 2546 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 567
$10.25 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	567
10.2538INVALID-ORDER-2548 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$	
10.25349 INVALID-ORDER-2549 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.25 NO INVALID-ORDER-2550 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
$10.25 \text{M-INVALID-ORDER-} 2551 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
10.25 \$\frac{1}{2}\$ INVALID-ORDER-2552 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 \right)$	
10.25 33 INVALID-ORDER-2553 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
10.25 X4 INVALID-ORDER-2554 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
10.25 \$\frac{\psi}{10.25}\$ INVALID-ORDER-2555 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.25 X6 INVALID-ORDER-2556 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
10.25 \$\frac{1}{27}\$ INVALID-ORDER-2557 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	568
10.25 SINVALID-ORDER-2558 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)'$	
10.25 X9 INVALID-ORDER-2559 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	568
10.25 NO INVALID-ORDER-2560 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.25 X INVALID-ORDER-2561 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
$10.25 \& 2 \text{INVALID-ORDER-} 2562 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	569
$10.25 \% \text{INVALID-ORDER-} 2563 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $	569

$10.25\%4 \text{INVALID-ORDER-} 2564 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad \dots $	569
10.25 (S) INVALID-ORDER-2565 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	569
$10.25\% \text{INVALID-ORDER-} 2566 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	569
10.25 \(\text{87-INVALID-ORDER-2567} \) $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s} \right) $	569
10.25 8 INVALID-ORDER-2568 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	569
$10.25 \& \text{PINVALID-ORDER-} 2569 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	569
10.25 TO INVALID-ORDER-2570 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, R_5, R_6\right)$	569
10.25 X -INVALID-ORDER-2571 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	570
10.25 X2 INVALID-ORDER-2572 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	570
10.25 \bar{X} INVALID-ORDER-2573 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$	570
10.25 % INVALID-ORDER-2574 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$	570
10.25 % INVALID-ORDER-2575 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	570
$10.25\% \text{INVALID-ORDER-} 2576 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	570
$10.25 \% - \text{INVALID-ORDER-} \\ 2577 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	570
10.25 No INVALID-ORDER-2578 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	570
10.25 X9 INVALID-ORDER-2579 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	570
10.25 NO INVALID-ORDER-2580 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	570
$10.25 \text{M-INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	571
10.25 2 INVALID-ORDER-2582 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	571
10.25 3 INVALID-ORDER-2583 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	571
10.25 24 INVALID-ORDER-2584 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	571
10.25% INVALID-ORDER-2585 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$	571
10.25 % INVALID-ORDER-2586 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$	571
10.25\%\text{TINVALID-ORDER-2587} $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	571
10.25 SINVALID-ORDER-2588 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.25 SO INVALID-ORDER-2589 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	571
10.25% INVALID-ORDER-2590 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
$10.25 \text{N-INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	572
10.25\P2INVALID-ORDER-2592 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	
$10.25\mathfrak{B}\text{INVALID-ORDER-}2593\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{1}{C_2s},\ R_3,\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)^{\prime} \qquad \dots $	
$10.25\% \text{INVALID-ORDER-} 2594 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \text{.} \dots $	
$10.25 \% \text{INVALID-ORDER-} 2595 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \qquad \dots $	572
$10.25\% \text{INVALID-ORDER-} 2596 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \ \dots \ $	572
$10.25 \% \text{TINVALID-ORDER-} 2597 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $	572
10.25% INVALID-ORDER-2598 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_3 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	572
10.25 99 INVALID-ORDER-2599 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right) \dots \dots$	572
$10.26 \text{MOINVALID-ORDER-} 2600 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad \dots $	572
$10.26 \text{ CM-INVALID-ORDER-} 2601 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	
$10.26 \mathfrak{R} - 10.26 \mathfrak{R} - 10.$	573
$10.26 \text{NS-INVALID-ORDER-} 2603 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	573

$10.26 \times 4 \text{INVALID-ORDER-} \\ 2604 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \\ \dots \\ $
10.2605 INVALID-ORDER-2605 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
10.26 X 6INVALID-ORDER-2606 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
10.26\Pi^{\text{INVALID-ORDER-2607}} Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \tag{57}. \tag{57}.
10.2608 INVALID-ORDER-2608 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.26 \mathfrak{D} \text{INVALID-ORDER-} 2609 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $
10.26 NO INVALID-ORDER-2610 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
10.26 XI-INVALID-ORDER-2611 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
10.26 X2 INVALID-ORDER-2612 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
10.26 XB INVALID-ORDER-2613 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
$10.26 \text{ X4INVALID-ORDER-} 2614 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $
10.26 X5 INVALID-ORDER-2615 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
10.26 NG INVALID-ORDER-2616 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
$10.26 \text{K-INVALID-ORDER-} 2617 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $
10.26 No INVALID-ORDER-2618 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
10.26 X9 INVALID-ORDER-2619 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
10.26 20 INVALID-ORDER-2620 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
10.26 X -INVALID-ORDER-2621 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
10.26 \(\frac{22}{2}\) INVALID-ORDER-2622 \(Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \tag{57}\)
$10.26 23 \text{ INVALID-ORDER-} 2623 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) $
$10.26 X4 INVALID-ORDER-2624 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) $
$10.2625 \text{ INVALID-ORDER-} 2625 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $
$10.2626 \text{ INVALID-ORDER-} 2626 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) $
$10.26 \text{X7INVALID-ORDER-} 2627 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $
$10.2628 \text{ INVALID-ORDER-} 2628 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $
10.26 29 INVALID-ORDER-2629 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)'$
10.2630 INVALID-ORDER-2630 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, R_5, R_6\right)$
10.26 XI -INVALID-ORDER-2631 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, R_5, \frac{1}{C_6s}\right)$
$10.2632 \text{INVALID-ORDER-} 2632 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) $ $10.2633 \text{INVALID-ORDER-} 2633 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $ 57
$10.2633 \text{ INVALID-ORDER-} 2633 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $
10.26 34 INVALID-ORDER-2634 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$
10.26 35 INVALID-ORDER-2635 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
10.26 36 INVALID-ORDER-2636 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
$10.2637 \text{ INVALID-ORDER-} 2637 \ Z(s) = \left\langle \frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right\rangle $
$10.2638 \text{ INVALID-ORDER-} 2638 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $
10.26 339 INVALID-ORDER-2639 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
$10.26240 \text{ INVALID-ORDER-} 2640 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $
$10.26 \text{M-INVALID-ORDER-} 2641 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \ \dots $
10.26\Pi\text{INVALID-ORDER-2642} $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$
$10.26 \text{ 2 INVALID-ORDER-} 2643 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $

$10.26 24 \text{INVALID-ORDER-} 2644 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	57'
10.26 25 INVALID-ORDER-2645 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	⁵⁷ ′
10.26 26 INVALID-ORDER-2646 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$	57
10.26 27 INVALID-ORDER-2647 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	57
10.26 28 INVALID-ORDER-2648 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	57'
10.26 29 INVALID-ORDER-2649 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	57
$10.26 \mathfrak{M} \text{INVALID-ORDER-} 2650 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	57'
10.26 XI-INVALID-ORDER-2651 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	578
10.26 \$\frac{3}{2}\$ INVALID-ORDER-2652 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	578
10.26 X3 INVALID-ORDER-2653 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	j78
$10.26 \% 1 \text{NVALID-ORDER-} 2654 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $	j78
10.26 35 INVALID-ORDER-2655 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	78ز
10.26 X6 INVALID-ORDER-2656 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	j78
$10.26 \text{X7INVALID-ORDER-} 2657 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	578
10.26 SMINVALID-ORDER-2658 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$	578
10.26 39 INVALID-ORDER-2659 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	578
10.26 DINVALID-ORDER-2660 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	578
10.26 XI-INVALID-ORDER-2661 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	579
$10.26 \mathfrak{D} \text{INVALID-ORDER-} 2662 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	579
10.26 SINVALID-ORDER-2663 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	79
$10.26\%4 \text{INVALID-ORDER-} 2664 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	79
10.2685 INVALID-ORDER-2665 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	579
$10.26 \% \text{INVALID-ORDER-} 2666 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	579
10.26\(\text{87-INVALID-ORDER-2667} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_5 s}, \ R_6 \right) \qquad \qqqq \qqqqq \qqqqqq	579
10.26\&INVALID-ORDER-2668 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	579
$10.2689 \text{INVALID-ORDER-} 2669 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$	579
$10.26 \% \text{INVALID-ORDER-} 2670 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \qquad \dots $	579
$10.26 \text{X-INVALID-ORDER-} 2671 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right) $	80
$10.26 \Re \text{INVALID-ORDER-} 2672 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) $ $10.26 \Re \text{INVALID-ORDER-} 2673 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) $ $5 \times \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) $	80
10.26 TS INVALID-ORDER-2673 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	i8(
$10.26\% \text{INVALID-ORDER-} 2674 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \dots \dots$	i8(
$10.26 \% \text{INVALID-ORDER-} 2675 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 \right) $	80
$10.26\% \text{INVALID-ORDER-} 2676 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s} \right) \dots $	80
$10.26 \times INVALID-ORDER-2677 \ Z(s) = \left(\begin{array}{c} R_1 \\ C_1R_1s+1 \end{array}, \ \frac{1}{C_2s}, \ R_3 + \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ R_5, \ R_6 + \frac{1}{C_6s} \right) \\ 10.26 \times INVALID-ORDER-2678 \ Z(s) = \left(\begin{array}{c} R_1 \\ C_1R_1s+1 \end{array}, \ \frac{1}{C_2s}, \ R_3 + \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ R_5, \ \frac{R_6}{C_6R_6s+1} \right) \\ \vdots \\ $	80
10.2678 INVALID-ORDER-2678 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	80
$10.26 \% \text{INVALID-ORDER-} 2679 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ R_6\right) $ $10.26 \% \text{INVALID-ORDER-} 2680 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_5 s}\right) $ $5 = \frac{1}{C_5 s} \left(\frac{R_1}{C_5 R_1 s+1}, \ \frac{1}{C_5 s}, \ R_3 + \frac{1}{C_5 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_5 s}\right) $	80
10.26 SO INVALID-ORDER-2680 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	80
10.26 SA-INVALID-ORDER-2681 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	8
10.26 2 INVALID-ORDER-2682 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)'$	8
$10.26 3 \text{INVALID-ORDER-} 2683 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots \dots$	8

10.26 34 INVALID-ORDER-2684 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	5 8:
10.26 S5 INVALID-ORDER-2685 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	58.
10.26 % INVALID-ORDER-2686 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)'$	58.
$10.26 \% \text{INVALID-ORDER-} 2687 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	58:
$10.26 \$S INVALID-ORDER-2688 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \ R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right) \dots \dots$	58:
$10.26 \$9 \text{INVALID-ORDER-} 2689 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right) \dots \dots$	58:
$10.26 \mathfrak{P} \text{INVALID-ORDER-} 2690 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	5 8:
10.26 % -INVALID-ORDER-2691 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{1}{C_6s}\right)$	58:
	582
10.26 93 INVALID-ORDER-2693 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	58:
10.26 X4 INVALID-ORDER-2694 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	58:
10.26% INVALID-ORDER-2695 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$	582
$10.26\% \text{INVALID-ORDER-} 2696 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots \qquad 5$	i8:
10.26 X7 INVALID-ORDER-2697 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	i8:
10.26 SN INVALID-ORDER-2698 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	i8:
10.26 X9 INVALID-ORDER-2699 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	582
$10.27 \mathfrak{M} \text{OINVALID-ORDER-} 2700 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	582
$10.27 \text{M-INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	58
10.27\text{NVALID-ORDER-2702} $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	58
$10.27 \% \text{SINVALID-ORDER-} 2703 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots \qquad 5$	58:
$10.27\%4 \text{INVALID-ORDER-} 2704 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	585
$10.27 \% \text{INVALID-ORDER-} 2705 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	58
10.27\(\text{MoINVALID-ORDER-2706} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \tau \tau \tau \tau \tau \tau \tau \tau	58
$10.27 \text{ NZ-INVALID-ORDER-} 2707 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $	58
$ \begin{array}{c} \text{10.2708INVALID-ORDER-2708} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \end{pmatrix} \\ \text{10.2709INVALID-ORDER-2709} \ Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1} \end{pmatrix} \\ \text{5} \end{array} $	58
$10.27 \mathfrak{DO} \text{INVALID-ORDER-} 2709 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	58
10.27 NO INVALID-ORDER-2710 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	583
$10.27 \text{XI-INVALID-ORDER-} 2711 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	j82
$10.27 \text{ NPINVALID-ORDER-} 2712 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1} \right)' \qquad . \qquad $	584
$10.27 \text{ MINVALID-ORDER-2713 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right) \dots \dots$	i 84
$10.27 \text{K}4 \text{INVALID-ORDER-} 2714 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $ $10.27 \text{K}5 \text{INVALID-ORDER-} 2715 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $ $5 Sinvalidation of the second of the se$	i 84
10.27 X5 INVALID-ORDER-2715 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	i 84
10.27 X 6INVALID-ORDER-2716 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$	584
$10.27 \text{ NFINVALID-ORDER-} 2717 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 \right) . $	j 84
10.27 No Invalidation of the state of the s	j 84
$10.27 \text{MOINVALID-ORDER-2719} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $ $10.27 \text{MOINVALID-ORDER-2720} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $ 5	i 84
10.27 20 INVALID-ORDER-2720 $Z(s) = \left\langle \frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1} \right\rangle$	i 84
$10.27 \text{XI-INVALID-ORDER-} 2721 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \ . $ $10.27 \text{XI-INVALID-ORDER-} 2722 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ . $ 5	i8
10.27 X2 INVALID-ORDER-2722 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	i8
10.27 28 INVALID-ORDER-2723 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$;8i

$10.27 \text{M-INVALID-ORDER-} 2724 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $. 585
$10.2725 \text{INVALID-ORDER-} 2725 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $. 585
$10.2726 \text{ INVALID-ORDER-} 2726 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 585
$10.27 \text{ \overline{Z}-INVALID-ORDER-2727 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right) \dots \dots$. 585
$10.2728 \text{INVALID-ORDER-} 2728 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 585
10.27 29 INVALID-ORDER-2729 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$. 585
10.2730 INVALID-ORDER-2730 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$. 585
10.27 XI -INVALID-ORDER-2731 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 586
$10.2732 \text{INVALID-ORDER-} 2732 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 586
10.2733 INVALID-ORDER-2733 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 586
10.27 34 INVALID-ORDER-2734 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 586
10.2735 INVALID-ORDER-2735 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 586
$10.2736 \text{INVALID-ORDER-} 2736 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 586
$10.27 \text{ 37-INVALID-ORDER-} 2737 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \dots $. 586
10.2738 INVALID-ORDER-2738 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$. 586
$10.2739 \text{ INVALID-ORDER-} 2739 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 586
10.27340 INVALID-ORDER-2740 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, R_5, \frac{1}{C_6s}\right)$. 586
10.27 X I-INVALID-ORDER-2741 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$. 587
10.2732 INVALID-ORDER-2742 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$. 587
10.2733 INVALID-ORDER-2743 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, \frac{1}{C_5s}, R_6\right)$. 587
10.27 \text{24} INVALID-ORDER-2744 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 587
10.2735 INVALID-ORDER-2745 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 587
10.27 26 INVALID-ORDER-2746 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$. 587
10.2737 INVALID-ORDER-2747 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$. 587
10.2738 INVALID-ORDER-2748 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 587
10.27389INVALID-ORDER-2749 $Z(s) = \left(\frac{R_1}{C_1 \overline{R}_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$10.2750 \text{ INVALID-ORDER-} 2750 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots $	
10.27 XI-INVALID-ORDER-2751 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$	
10.27\$\frac{\mathbb{R}}{2}INVALID-ORDER-2752 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	
10.27\$\$INVALID-ORDER-2753 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	
$10.27 \% \text{INVALID-ORDER-} 2754 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \dots \dots$	
10.27 \$\frac{\\$5}{10}\$ INVALID-ORDER-2755 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ R_6\right)$	
10.27 36 INVALID-ORDER-2756 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 588
10.27 \$\frac{1}{2}\$ INVALID-ORDER-2757 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 588
$10.27 \% INVALID-ORDER-2758 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad \dots $	
10.27 SO INVALID-ORDER-2759 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 588
10.27\text{MOINVALID-ORDER-2760 } $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right)$	
10.27 X INVALID-ORDER-2761 $Z(s) = \left(\frac{R_1}{C_1 \overline{R}_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)$	
$10.27 \& 2 \text{INVALID-ORDER-} 2762 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) $. 589
$10.2763 \text{ INVALID-ORDER-} 2763 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \ \dots $. 589

$10.27\%4 \text{INVALID-ORDER-} 2764 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	589
10.27 S INVALID-ORDER-2765 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	589
$10.27\% \text{INVALID-ORDER-} 2766 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	589
10.2787-INVALID-ORDER-2767 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$	589
10.27\&INVALID-ORDER-2768 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	589
10.2789 INVALID-ORDER-2769 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	589
$10.27 \text{MOINVALID-ORDER-} 2770 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	589
$10.27 \text{N-INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	590
10.27 X2 INVALID-ORDER-2772 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	590
10.27 X3 INVALID-ORDER-2773 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	590
10.27 X4 INVALID-ORDER-2774 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$	590
10.27 No INVALID-ORDER-2775 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	590
10.27 % INVALID-ORDER-2776 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	590
10.27 X -INVALID-ORDER-2777 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	590
$10.27\% INVALID-ORDER-2778 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ R_2 + \frac{1}{C_2s}, \ R_3, \ R_4 + \frac{1}{C_4s}, \ \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	590
10.27 X9 INVALID-ORDER-2779 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	590
10.2780 INVALID-ORDER-2780 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	590
10.27 XI-INVALID-ORDER-2781 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	591
10.2782 INVALID-ORDER-2782 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	591
10.2783 INVALID-ORDER-2783 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	591
10.27 \$\text{M-INVALID-ORDER-2784} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s} \right) \tau \tau \tau \tau \tau \tau \tau \tau	591
10.2785 INVALID-ORDER-2785 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	591
$10.27 \% \text{INVALID-ORDER-} 2786 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	591
10.2787 INVALID-ORDER-2787 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$	591
10.27 SS INVALID-ORDER-2788 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$	591
10.2789 INVALID-ORDER-2789 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	591
10.2790 INVALID-ORDER-2790 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$	591
$10.27 \text{M-INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6\right) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots $	592
10.2792 INVALID-ORDER-2792 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	592
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	592
$10.27\%4 \text{INVALID-ORDER-} 2794 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	592
10.27% INVALID-ORDER-2795 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	592
$10.27\% \text{INVALID-ORDER-2796} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	592
$10.27\%\text{INVALID-ORDER-}2797 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ R_2 + \frac{1}{C_2s}, \ R_3, \ \frac{R_4}{C_4R_4s+1}, \ R_5 + \frac{1}{C_5s}, \ R_6 + \frac{1}{C_6s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	592
$10.2798 \text{INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	592
$10.27 \mathfrak{M}INVALID-ORDER-2799 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	592
$10.28 \text{MOINVALID-ORDER-} 2800 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	592
$10.28 \text{M-INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	593
$10.2802 \text{INVALID-ORDER-} 2802 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$	593
$10.28 \text{MS-INVALID-ORDER-} 2803 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5, \ R_6\right) \dots \dots$	593

10.28 X INVALID-ORDER-2804 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$	93
10.2805 INVALID-ORDER-2805 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$	93
10.280% INVALID-ORDER-2806 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$	93
10.2807 INVALID-ORDER-2807 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6\right)$	93
10.2808 INVALID-ORDER-2808 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	93
10.2800 INVALID-ORDER-2809 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	593
10.28 NO INVALID-ORDER-2810 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	93
$10.28 \text{ X-INVALID-ORDER-} 2811 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $	94
10.28 K2 INVALID-ORDER-2812 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	94
10.28 XS INVALID-ORDER-2813 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	94
$10.28 \text{M-INVALID-ORDER-} 2814 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	94
10.28 X5 INVALID-ORDER-2815 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$	94
$10.28 \text{M} \text{6INVALID-ORDER-} 2816 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	94
$10.28 \text{ X-INVALID-ORDER-} 2817 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	94
$10.28 \times INVALID-ORDER-2818 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) $	594
10.28 NO INVALID-ORDER-2819 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$	94
10.28 20 INVALID-ORDER-2820 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	94
10.28 X I-INVALID-ORDER-2821 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	95
$10.2822 \text{INVALID-ORDER-} 2822 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	95
$10.28 23 \text{ INVALID-ORDER-} 2823 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	95
$10.28 24 \text{ INVALID-ORDER-} 2824 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \qquad . \qquad $	95
$10.2825 \text{ INVALID-ORDER-} 2825 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	95
$10.2826 \text{ INVALID-ORDER-} 2826 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	95
$10.28 27 \text{INVALID-ORDER-} 2827 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	95
$10.2828 \text{ INVALID-ORDER-} 2828 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	595
$10.2829 \text{ INVALID-ORDER-} 2829 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	95
10.2830 INVALID-ORDER-2830 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	95
10.28 X FINVALID-ORDER-2831 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$	
10.2832 INVALID-ORDER-2832 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	
10.2833 INVALID-ORDER-2833 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	
10.28 X4 INVALID-ORDER-2834 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.2835 INVALID-ORDER-2835 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$.	
10.28 36 INVALID-ORDER-2836 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$	
10.28 X7 INVALID-ORDER-2837 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	96
10.2838 INVALID-ORDER-2838 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	96
10.2839 INVALID-ORDER-2839 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	96
10.28240 INVALID-ORDER-2840 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_5 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	596
$10.28 \text{M-INVALID-ORDER-} 2841 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	
10.28\PSINVALID-ORDER-2842 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4 + \frac{1}{C_5s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	97
10.28 X3 INVALID-ORDER-2843 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	97

$10.28 \text{ $\frac{1}{2}$ INVALID-ORDER-2844 } Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ R_2 + \frac{1}{C_2s}, \ \frac{1}{C_3s}, \ R_4 + \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ R_6\right) \ \dots \ $. 597
10.2845 INVALID-ORDER-2845 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$. 59'
$10.28 26 \text{ INVALID-ORDER-} 2846 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 59'
$10.28 $\lambda \!$. 597
10.28\(\frac{1}{2}\) INVALID-ORDER-2848 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$. 59'
10.28 28 INVALID-ORDER-2849 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$. 59'
10.28 NO INVALID-ORDER-2850 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 59'
$10.28 \text{M-INVALID-ORDER-} 2851 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 598
10.28 2 INVALID-ORDER-2852 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$. 598
10.28 SM INVALID-ORDER-2853 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 598
$10.28 \% 1 \text{NVALID-ORDER-} 2854 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 598
10.28 SMINVALID-ORDER-2855 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 598
10.28 X6 INVALID-ORDER-2856 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$.	. 598
10.28 X7 INVALID-ORDER-2857 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 598
10.28 SINVALID-ORDER-2858 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$. 598
10.28 NO INVALID-ORDER-2859 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 598
10.28	. 598
$10.28 \text{M-INVALID-ORDER-} 2861 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 599
10.28	. 599
$10.28 \text{ M3} \text{INVALID-ORDER-} 2863 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 599
$10.28\%4 \text{INVALID-ORDER-} 2864 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ R_6\right) $. 599
10.2885 INVALID-ORDER-2865 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$. 599
10.28% INVALID-ORDER-2866 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$. 599
$10.28 \% \text{7-INVALID-ORDER-} 2867 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 599
10.28 INVALID-ORDER-2868 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$. 599
10.28 INVALID-ORDER-2869 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 599
10.28 X 0 INVALID-ORDER-2870 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 599
$10.28 \text{XI-INVALID-ORDER-} 2871 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \ \dots $. 600
10.28 X2 INVALID-ORDER-2872 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$. 600
10.28 \mathbb{R}\text{INVALID-ORDER-2873}} $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right)$. 600
10.28 X 4INVALID-ORDER-2874 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 600
10.28 X 5INVALID-ORDER-2875 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)'$. 600
10.28 X6 INVALID-ORDER-2876 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$	
$10.28 \text{XFINVALID-ORDER-} 2877 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \ \dots $. 600
10.2878 INVALID-ORDER-2878 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 600
$10.28\% \text{INVALID-ORDER-} 2879 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $ $10.28\% \text{INVALID-ORDER-} 2880 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ R_6\right) \dots $. 600
10.28\mathbb{N}INVALID-ORDER-2880 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_4s}, R_5, R_6\right)$. 600
10.28 INVALID-ORDER-2881 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$. 60
10.28\mathbb{R}\mathbb{INVALID-ORDER-2882} $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$. 60
$10.28 33 \text{ INVALID-ORDER-} 2883 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 60

$10.28\%4 \text{INVALID-ORDER-} 2884 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right) \dots $	601
10.28\STINVALID-ORDER-2885 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	601
10.28% INVALID-ORDER-2886 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	601
10.28 % INVALID-ORDER-2887 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	60
10.28 INVALID-ORDER-2888 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	601
10.28\ 20\ INVALID-ORDER-2889 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	60
10.28 NO INVALID-ORDER-2890 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	60
10.28 XI -INVALID-ORDER-2891 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	605
10.28 \ 2 INVALID-ORDER-2892 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	603
10.28 93 INVALID-ORDER-2893 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	602
$10.28\%4 \text{INVALID-ORDER-} 2894 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	603
$\begin{pmatrix} c_1 R_1 s + 1 \end{pmatrix} = \begin{pmatrix} c_2 s \end{pmatrix} \begin{pmatrix} c_3 s \end{pmatrix} \begin{pmatrix} c_4 s \end{pmatrix} \begin{pmatrix} c_5 R_5 s + 1 \end{pmatrix} \begin{pmatrix} c_6 R_6 s + 1 \end{pmatrix}$	602
10.28% INVALID-ORDER-2896 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$.	605
10.28 % INVALID-ORDER-2897 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	603
10.28 SINVALID-ORDER-2898 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	603
10.28 30 INVALID-ORDER-2899 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	602
C_1R_1s+1 , C_2s , C_3s , C_4s , C_5s ,	602
$ \begin{pmatrix} C_1 K_1 s + 1 \end{pmatrix} = \begin{pmatrix} C_2 s \end{pmatrix} = \begin{pmatrix} C_3 s \end{pmatrix} = \begin{pmatrix} C_4 s \end{pmatrix} + \begin{pmatrix} C_4 s \end{pmatrix} + \begin{pmatrix} C_4 s \end{pmatrix} + \begin{pmatrix} C_5 s$	603
$C_{1}K_{1}s+1$ $C_{2}s$ $C_{3}s$ $C_{4}s$ $C_{5}s$ $C_{5}s$ $C_{6}s$	603
$10.2903 \text{ INVALID-ORDER-} 2903 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	603
$10.29 X4 INVALID-ORDER-2904 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $	603
$ \begin{pmatrix} C_1R_1s+1 \end{pmatrix} = \begin{pmatrix} C_2s \end{pmatrix} = \begin{pmatrix} C_3s \end{pmatrix} = \begin{pmatrix} C_4s \end{pmatrix} = \begin{pmatrix} C_4s \end{pmatrix} = \begin{pmatrix} C_5s \end{pmatrix} + \begin{pmatrix} C_6s \end{pmatrix} $	603
$10.29 \% \text{INVALID-ORDER-} 2906 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad \dots $	603
$10.29 \text{M-INVALID-ORDER-} 2907 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	603
10.29\&INVALID-ORDER-2908 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$	603
10.29 X9 INVALID-ORDER-2909 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	603
$10.29 \text{MOINVALID-ORDER-} 2910 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	603
$10.29 \text{X-INVALID-ORDER-} 2911 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	604
$10.29 \text{\&} \text{INVALID-ORDER-2912} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6\right) $ $10.29 \text{\&} \text{INVALID-ORDER-2913} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) $ $10.29 \text{\&} \text{INVALID-ORDER-2913} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) $	604
10.29\mathbb{R}\text{INVALID-ORDER-2913}\ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_2 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s} \right) \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qqqq \qqqqq \qqqq \qqqqq \qqqqq \qqqqq \qqqq \qqqq \qqqq \qqqqq \qqqq	604
$10.29 \text{ M-INVALID-ORDER-2914 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s} \right) \dots $	604
10.29 X5 INVALID-ORDER-2915 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)'$	604
10.29 K 6INVALID-ORDER-2916 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$	604
$10.29 \text{KFINVALID-ORDER-} 2917 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $	604
10.29 X INVALID-ORDER-2918 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	604
$ \begin{array}{c} 10.29 \text{MOINVALID-ORDER-} & 2010 & Z(s) & \left(\frac{R_1}{C_1 R_1 s + 1}, & R_2 + \frac{1}{C_2 s}, & R_3 + \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \right) \\ 10.29 \text{MOINVALID-ORDER-} & 2020 & Z(s) & = \left(\frac{R_1}{C_1 R_1 s + 1}, & R_2 + \frac{1}{C_2 s}, & R_3 + \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & R_5 + \frac{1}{C_5 s}, & R_6 \right) \\ & & & & & & & & & & & & & & & & & & $	604
10.29 20 INVALID-ORDER-2920 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	60
10.29 XI -INVALID-ORDER-2921 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	60
10.29 X2 INVALID-ORDER-2922 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	60
$10.29 23 \text{ INVALID-ORDER-} 2923 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	60

$10.29 \text{ $\frac{1}{2}$ INVALID-ORDER-2924 } Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ R_2 + \frac{1}{C_2s}, \ R_3 + \frac{1}{C_3s}, \ \frac{R_4}{C_4R_4s+1}, \ \frac{R_5}{C_5R_5s+1}, \ R_6\right) \qquad \qquad$	605
$10.2925 \text{ INVALID-ORDER-} 2925 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \ \dots $	05
$10.2926 \text{ INVALID-ORDER-} 2926 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	05
$10.29 \text{\ref{27}INVALID-ORDER-2927} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $	05
10.2928 INVALID-ORDER-2928 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6\right)$	05
10.29 29 INVALID-ORDER-2929 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$	05
10.2930 INVALID-ORDER-2930 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$	05
10.29 XI-INVALID-ORDER-2931 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	606
10.2932 INVALID-ORDER-2932 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6\right)$	06
10.2933 INVALID-ORDER-2933 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	06
10.29 X4 INVALID-ORDER-2934 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	06
10.2935 INVALID-ORDER-2935 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	06
10.29 36 INVALID-ORDER-2936 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$	06
10.29 X7 INVALID-ORDER-2937 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	06
10.2938 INVALID-ORDER-2938 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	606
10.2939 INVALID-ORDER-2939 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	06
10.29 20 INVALID-ORDER-2940 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$	06
$10.29 \text{ ΔI-INVALID-ORDER-2941 } Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \dots \qquad \dots$	07
$10.29 2 INVALID-ORDER-2942 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	07
$10.29 \text{ 33 INVALID-ORDER-} 2943 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	07
$10.29 \text{ $\frac{1}{2}$} \text{INVALID-ORDER-2944 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	07
10.29 25 INVALID-ORDER-2945 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	07
$10.29 \text{26} \text{INVALID-ORDER-} 2946 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $	07
$10.29 \text{ \overline{M}} \text{INVALID-ORDER-2947 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad . \qquad $	
10.2938 INVALID-ORDER-2948 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	07
$10.29339 \text{INVALID-ORDER-} 2949 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \qquad . \qquad $	07
10.29 NO INVALID-ORDER-2950 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	07
$10.29 \text{M-INVALID-ORDER-} 2951 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
$10.29 \mathfrak{D} \text{INVALID-ORDER-} 2952 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $	
$10.29 33 \text{ INVALID-ORDER-} 2953 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) $	
$10.29 \text{M-INVALID-ORDER-} 2954 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \dots \qquad 60$	
$10.29 \times \text{INVALID-ORDER-} 2955 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	
$10.29\% \text{INVALID-ORDER-} 2956 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) . $	
$10.29 X7 INVALID-ORDER-2957 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{1}{C_6 s}\right) \ \dots \qquad \qquad$	80
$10.29 \$S INVALID-ORDER-2958 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	80
$ (C_1R_1s+1)^{-1} = C_2s + C_3R_3s+1 + C_4s + C_5R_5s+1 + C_5R_5s$	80
$10.2960 \text{INVALID-ORDER-} 2960 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	508
$10.29 \text{CM-INVALID-ORDER-} 2961 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right) \ \dots \ $	
$10.29 \& \text{INVALID-ORDER-} 2962 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $	06
$10.29 \text{ (C)} \text{INVALID-ORDER-2963 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	08

$10.29\%4 \text{INVALID-ORDER-} 2964 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right) \ \dots $	609
$10.29 \% \text{INVALID-ORDER-} 2965 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	609
$10.29\% \text{INVALID-ORDER-} 2966 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	609
$10.29 \text{ $\overline{\textbf{M}}$} \text{INVALID-ORDER-2967 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	609
10.29\&INVALID-ORDER-2968 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$	609
10.29 X INVALID-ORDER-2969 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	609
$10.29 \text{ TO INVALID-ORDER-} 2970 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	609
$10.29 \text{ Th-INVALID-ORDER-2971 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \ $	610
$10.29 \times 2 \text{INVALID-ORDER-} 2972 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $	610
10.29 TS INVALID-ORDER-2973 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	610
$10.29\% INVALID-ORDER-2974 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ R_2 + \frac{1}{C_2s}, \ \frac{R_3}{C_3R_3s+1}, \ R_4 + \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ R_6 + \frac{1}{C_6s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	610
$10.29 \% \text{INVALID-ORDER-} 2975 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	610
$10.29\% \text{INVALID-ORDER-} 2976 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6\right) \ \dots $	610
$10.29 \text{ $\overline{\mathbf{X}}$-INVALID-ORDER-2977 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	610
10.29 No INVALID-ORDER-2978 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	610
$10.29 \text{ NOINVALID-ORDER-} 2979 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	610
10.29 NO INVALID-ORDER-2980 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$	610
$10.29 \text{M-INVALID-ORDER-} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	611
$10.29 2 \text{INVALID-ORDER-} 2982 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	611
10.29 SINVALID-ORDER-2983 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	611
10.29 \$\text{MINVALID-ORDER-2984} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{0} \right) \qquad \qqqq	611
10.2985 INVALID-ORDER-2985 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	611
10.29 X6 INVALID-ORDER-2986 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_6s}\right)$	611
$10.29 \text{\ref{a}} \text{\ref{a}}} \text{\ref{a}} \ref{a$	611
$10.29 \$S INVALID-ORDER-2988 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) $	611
10.29 SO INVALID-ORDER-2989 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	611
10.29 INVALID-ORDER-2990 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right) \dots \dots$	611
$10.29 \text{M-INVALID-ORDER-} 2991 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	612
$10.29 \mathfrak{R} \text{INVALID-ORDER-} 2992 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5, \ \frac{1}{C_6 s}\right) \dots $	
10.2993 INVALID-ORDER-2993 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	612
$10.29 \% 1 \text{NVALID-ORDER-} 2994 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1} \right)' $	
$10.29\%5 \text{INVALID-ORDER-} 2995 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right) \dots $	612
$10.29\% \text{INVALID-ORDER-} 2996 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) $	
$10.29 \% \text{-INVALID-ORDER-} 2997 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $	612
10.29 SINVALID-ORDER-2998 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	612
$10.29\mathfrak{PO} \text{INVALID-ORDER-2999} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right) \\ 10.30\mathfrak{PO} \text{INVALID-ORDER-3000} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ R_3, \ R_4, \ \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right) \\ \dots \\ $	612
$10.30 \text{MOINVALID-ORDER-3000 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \dots \dots$	612
$10.30 \text{M-INVALID-ORDER-3001} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $	
$10.30 \mathfrak{A} = \text{INVALID-ORDER-3002} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \qquad \dots $	613
$10.30 \% \text{INVALID-ORDER-3003} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_6 s}\right) \dots \dots$	613

$10.30\%4 \text{INVALID-ORDER-3004} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 613
10.30 X5 INVALID-ORDER-3005 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$. 613
10.30% INVALID-ORDER-3006 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$. 613
$10.30 \times 7 \text{INVALID-ORDER-3007} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $. 613
10.30\&INVALID-ORDER-3008 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$. 613
10.30\mathbb{O}\mathbb{INVALID-ORDER-3009} $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_6s}, R_6 + \frac{1}{C_6s}\right)$. 613
$10.30 \text{MOINVALID-ORDER-3010} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $. 613
$10.30 \text{X-INVALID-ORDER-3011} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \qquad . \qquad $. 614
10.30 X2 INVALID-ORDER-3012 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 614
10.30 X INVALID-ORDER-3013 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 614
10.30 X4 INVALID-ORDER-3014 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$. 614
10.30 K 5INVALID-ORDER-3015 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$. 614
10.30 NG INVALID-ORDER-3016 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$. 614
$10.30 \text{KFINVALID-ORDER-3017} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $. 614
10.30 XS INVALID-ORDER-3018 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 61
10.30 X9 INVALID-ORDER-3019 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 614
10.30 20 INVALID-ORDER-3020 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 61
$10.30 \text{XI-INVALID-ORDER-3021} \ Z(s) = \left\langle \frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right\rangle \qquad \dots $. 61
10.30 \(\frac{\text{22}}{\text{INVALID-ORDER-3022}} \) $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 \right)$. 61
10.30 23 INVALID-ORDER-3023 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 61
$10.30 \text{X4INVALID-ORDER-3024} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots \dots$. 615
$10.3025 \text{ INVALID-ORDER-3025 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 61
$10.3026 \text{ INVALID-ORDER-3026 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right) \dots \dots$. 615
$10.30 \text{XFINVALID-ORDER-3027} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $. 61
10.30 28 INVALID-ORDER-3028 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$. 615
$10.3029 \text{ INVALID-ORDER-3029 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 61
10.30 30 INVALID-ORDER-3030 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$. 61
10.30 XI -INVALID-ORDER-3031 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$. 610
$10.3032 \text{INVALID-ORDER-3032} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ \frac{R_6}{C_6 R_6 s+1}\right) $ $10.3033 \text{INVALID-ORDER-3033} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) $. 616
10.30 X3 INVALID-ORDER-3033 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 610
10.30 X 4 INVALID-ORDER-3034 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$	
10.3035 INVALID-ORDER-3035 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	
10.30 36 INVALID-ORDER-3036 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	
10.3037 INVALID-ORDER-3037 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$. 610
10.3038 INVALID-ORDER-3038 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right) \dots$. 610
$10.30339 \text{INVALID-ORDER-3039} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ R_3, \ \frac{R_4}{C_4R_4s+1}, \ \frac{R_5}{C_5R_5s+1}, \ R_6 + \frac{1}{C_6s}\right) \ . $ $10.30339 \text{INVALID-ORDER-3040} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ R_3, \ \frac{R_4}{C_4R_4s+1}, \ \frac{R_5}{C_5R_5s+1}, \ \frac{R_6}{C_6R_6s+1}\right) \ . $. 610
10.30 20 INVALID-ORDER-3040 $Z(s) = \left(\frac{\kappa_1}{C_1R_1s+1}, \frac{\kappa_2}{C_2R_2s+1}, R_3, \frac{\kappa_4}{C_4R_4s+1}, \frac{\kappa_5}{C_5R_5s+1}, \frac{\kappa_6}{C_6R_6s+1}\right)$. 610
$10.30 \text{ Al-INVALID-ORDER-3041 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$. 61'
10.30\Pi\text{INVALID-ORDER-3042}\ Z(s) = \begin{pmatrix} \frac{R_1}{C_1R_1s+1}, & \frac{R_2}{C_2R_2s+1}, & \frac{1}{C_5s}, & \frac{R_6}{C_6R_6s+1} \end{pmatrix} \\ \frac{R_6}{C_6R_6s+1} \end{pmatrix} \\ \frac{R_6}{C_6R_6s+1} \end{pmatrix} \]	. 61'
$10.30 \text{ MS INVALID-ORDER-3043 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right) \dots \dots$. 61'

$10.30 \text{ $\frac{1}{2}$ INVALID-ORDER-3044 } Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right) \dots \dots$	617
10.30 X5 INVALID-ORDER-3045 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	617
$10.30 \text{ M} \text{6INVALID-ORDER-3046 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	617
$10.30 \text{ \overline{M}} \text{INVALID-ORDER-3047 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	617
10.30 XS INVALID-ORDER-3048 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	617
$10.30 \text{ M} \text{INVALID-ORDER-3049 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	617
10.30 NO INVALID-ORDER-3050 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	617
10.30 XI-INVALID-ORDER-3051 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	618
10.3052INVALID-ORDER-3052 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_6s}\right)$	618
10.30 SS INVALID-ORDER-3053 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$	618
$10.30 \text{M-INVALID-ORDER-3054} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	618
10.30 35 INVALID-ORDER-3055 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$	618
10.30 X6 INVALID-ORDER-3056 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$	618
10.30 X7 INVALID-ORDER-3057 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	618
10.30 SINVALID-ORDER-3058 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$	618
10.30 SO INVALID-ORDER-3059 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	618
10.30 MOINVALID-ORDER-3060 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	618
$10.30 \text{ \mathbb{K}-INVALID-ORDER-3061 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	619
$10.30 2 INVALID-ORDER-3062 Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	619
10.30 SINVALID-ORDER-3063 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	619
$10.30\%4 \text{INVALID-ORDER-3064} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	619
10.3085 INVALID-ORDER-3065 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	619
$10.30\% \text{INVALID-ORDER-3066} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots $	619
$10.30 \times \text{7INVALID-ORDER-3067} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	619
$10.3068 \text{ INVALID-ORDER-3068 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \dots \dots$	619
$10.3069 \text{ INVALID-ORDER-} 3069 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	619
$10.30 \text{ NOINVALID-ORDER-3070 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	619
$10.30 \text{ N-INVALID-ORDER-3071 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) $	620
$10.30 \times 10.30 \times 10.3$	620
$10.30 \% \text{INVALID-ORDER-3073} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) \dots $	620
$10.30\% \text{INVALID-ORDER-3074} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \dots $	
$10.30 \% \text{INVALID-ORDER-3075} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $	620
$10.30 \% \text{INVALID-ORDER-3076} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \dots $	620
$10.30 \text{ N7-INVALID-ORDER-3077 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \dots $	
10.30 No INVALID-ORDER-3078 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$	
10.30 X9 INVALID-ORDER-3079 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, \frac{1}{C_6s}\right)$	620
10.30 NO INVALID-ORDER-3080 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	
$10.30 \text{M-INVALID-ORDER-3081} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \ \dots \ $	621
10.30 2 INVALID-ORDER-3082 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$	621
10.30\S3INVALID-ORDER-3083 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_5s}, \frac{1}{C_6s}\right)$	621

$10.30 \$4 \text{INVALID-ORDER-} 3084 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_5 s}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots \ $	621
$10.30 \$5 \text{INVALID-ORDER-} 3085 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad \dots $	621
$10.30 \% \text{INVALID-ORDER-} 3086 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6\right) $	621
$10.30 \text{ NFINVALID-ORDER-} 3087 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	62
10.30 SINVALID-ORDER-3088 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_5 s}\right)$	621
$10.30 \$ 9 \text{INVALID-ORDER-} 3089 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \qquad \dots $	621
$10.30 \mathfrak{M} \text{INVALID-ORDER-3090 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 s}, \frac{R_4}{C_5 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_5}{C_5}, \frac{R_6}{C_5 R_5 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R$	621
$10.30 \text{M-INVALID-ORDER-3091 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 s}, \frac{R_4}{C_5 R_5 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \qquad \dots $	622
$10.30 \mathfrak{R} \text{InVALID-ORDER-3092} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	622
$10.30 \$S \text{INVALID-ORDER-3093} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	62
$10.30 \% \text{INVALID-ORDER-} 3094 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ R_6\right) $	622
$10.30 \% \text{INVALID-ORDER-} 3095 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_4 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_6 s}\right) \ \dots $	622
$ \begin{array}{c} 10.30 \% \text{INVALID-ORDER-3096} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \\ \end{array} $	622
$ \begin{array}{c} \text{10.30} \text{ NVALID-ORDER-3097 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right) \\ \text{10.30} \text{ NVALID-ORDER-3097 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_4 s}, \ \frac{1}{C_4 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \\ \text{10.30} \end{array} $	622
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	625
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	622
$ \begin{array}{c} \text{10.31MOINVALID-ORDER-3100 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \\ \end{array} $	622
$ \begin{array}{c} \text{10.31} \text{NN-INVALID-ORDER-3101} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ \dots \\ \end{array} $	623
$ \begin{array}{c} (C_1R_1s+1) & C_2R_2s+1 \\ \hline 10.31 \text{ NVALID-ORDER-3} \\ 10.2 \text{ INVALID-ORDER-3} \\ 10.2 \text{ INVALID-ORDER-3} \\ 10.3 INVA$	623
$ \begin{array}{c} (C_1R_1s+1) & C_2R_2s+1 \\ \hline 10.31 \text{ NSINVALID-ORDER-3} & Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right) \\ \hline \end{array} $	623
$10.31 \text{ MAINVALID-ORDER-3} 104 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	623
$10.31 \% \text{INVALID-ORDER-} 3105 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	623
$10.31 \% \text{INVALID-ORDER-} 3106 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) $	623
$10.31 \text{ NVALID-ORDER-} 3107 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots \dots$	623
$10.3108 \text{INVALID-ORDER-} 3108 \ Z(s) = \left(\frac{R_1}{C_{1R_1+1}^{1}}, \frac{R_2}{C_{2R_2+1}^{2}}, \frac{R_3}{C_{1R_1}^{2}}, \frac{1}{C_{1R_1}^{2}}, \frac{R_5}{C_{1R_2+1}^{2}}, \frac{R_5}{C_{1R_2+1$	623
$10.31 \% INVALID-ORDER-3108 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ . $ $10.31 \% INVALID-ORDER-3109 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \ . $	623
$10.31 \text{MOINVALID-ORDER-3110 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right) \dots \dots$	623
$10.31 \text{X-INVALID-ORDER-3111 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right) \dots \dots$	
10.31 X2 INVALID-ORDER-3112 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
10.31 \mathbb{R} INVALID-ORDER-3113 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_2 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_2 R_2 s+1}\right)$	624
10.31 X4 INVALID-ORDER-3114 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$	624
$10.31 \text{ XINVALID-ORDER-3114 } Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	624
10.31 No Invalidation or DER-3116 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	624
$10.31 \text{ K-INVALID-ORDER-3117 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$	624
10.31 No Invalidation or Derivative (a) = $\left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	624
10.31 X9 INVALID-ORDER-3119 $Z(s) = \begin{pmatrix} \frac{R_1}{C_1R_1s+1}, & \frac{R_2}{C_2R_2s+1}, & R_3 + \frac{1}{C_3s}, & R_4 + \frac{1}{C_4s}, & R_5 + \frac{1}{C_5s}, & \frac{1}{C_6s} \end{pmatrix}$	624
$10.3120 \text{ INVALID-ORDER-} 3120 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	624
$10.31 \text{XI-INVALID-ORDER-3} 121 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$	628
$10.31 \text{XI-INVALID-ORDER-3121} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . $ $10.31 \text{XI-INVALID-ORDER-3122} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ . $	628
10.31 X3 INVALID-ORDER-3123 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	625

$10.31 \text{ $\frac{1}{2}$ INVALID-ORDER-3124 } Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right) \dots \dots$	625
$10.3125 \text{INVALID-ORDER-} 3125 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	625
10.31 26 INVALID-ORDER-3126 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$	625
10.31 27 INVALID-ORDER-3127 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$	625
10.3128 INVALID-ORDER-3128 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$	625
10.31 20 INVALID-ORDER-3129 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$	625
10.3130 INVALID-ORDER-3130 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$	625
10.31 XI -INVALID-ORDER-3131 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	626
10.3132 INVALID-ORDER-3132 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	626
10.31 X3 INVALID-ORDER-3133 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	626
10.31 X4 INVALID-ORDER-3134 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$	626
10.3135 INVALID-ORDER-3135 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	626
10.31 36 INVALID-ORDER-3136 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	626
10.31 37 INVALID-ORDER-3137 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$	626
10.3138 INVALID-ORDER-3138 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$	626
10.3139 INVALID-ORDER-3139 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$	626
$10.31340 \text{INVALID-ORDER-} 3140 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) $	626
$10.31 \text{ λLINVALID-ORDER-3141 } Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right) \dots \dots$	627
10.31\(\frac{12}{12}\)INVALID-ORDER-3142 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{1}{C_6s}\right)$	627
10.31 X3 INVALID-ORDER-3143 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$	627
$10.31 \text{ $\frac{1}{2}$ INVALID-ORDER-3144 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right) $	627
$10.3125 \text{INVALID-ORDER-} 3145 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	627
10.31 26 INVALID-ORDER-3146 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$	627
10.31 2 7INVALID-ORDER-3147 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$	627
10.31 \$\frac{18}{28}\$ INVALID-ORDER-3148 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	627
$10.31339 \text{INVALID-ORDER-3149} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots \dots$	627
$10.3150 \text{ INVALID-ORDER-3150 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right) \dots \dots$	627
$10.31 \text{M-INVALID-ORDER-3151 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right) \dots \dots$	628
$10.31 \Sigma INVALID-ORDER-3152 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \dots $	628
10.31\$\$INVALID-ORDER-3153 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$	
$10.31 \% INVALID-ORDER-3154 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \qquad \dots $	628
$10.31\% \text{INVALID-ORDER-3155} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \dots $	628
$10.31\% \text{INVALID-ORDER-3156 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	628
10.31 X7 INVALID-ORDER-3157 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	628
$10.31 \% INVALID-ORDER-3158 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	628
10.31 SO INVALID-ORDER-3159 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	628
$10.31 \& \text{DINVALID-ORDER-3160} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \qquad \dots $	628
$10.31 \text{ NLINVALID-ORDER-3161 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) \ \ \ \ \ \ \ \ \ \ \ \ \$	629
$10.31 \& 2 \text{INVALID-ORDER-3162} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s} \right) \dots $	629
$10.31 \% \text{INVALID-ORDER-3163 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	629

$10.31\% \text{INVALID-ORDER-3164} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6\right) \ \dots $	
$10.31 \% \text{5INVALID-ORDER-3165} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s} \right) \dots $	629
$10.31 \% \text{INVALID-ORDER-3166} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \dots $	629
$10.31 \& \text{7-INVALID-ORDER-3167} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)' \ \dots \ $	629
$10.31 \& INVALID-ORDER-3168 \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ R_4 + \frac{1}{C_4s}, \ \frac{1}{C_5s}, \ R_6\right) \dots $	
$10.31 \& \text{PINVALID-ORDER-3169} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \ \dots $	629
$10.31 \text{MOINVALID-ORDER-3170} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s} \right) \ \dots $	629
$10.31 \text{ The INVALID-ORDER-3171 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \qquad \dots $	630
$10.31 \times 10.31 \times 10.31 \times 10^{-1} = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$	630
$10.31 \% \text{INVALID-ORDER-3173} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $	630
$10.31\% \text{INVALID-ORDER-3174} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ R_4 + \frac{1}{C_4s}, \ R_5 + \frac{1}{C_6s}\right) \ \dots \ $	630
$10.31\% \text{INVALID-ORDER-} 3175 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \dots $	630
$10.31\% \text{INVALID-ORDER-3176} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ R_4 + \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ R_6\right) \ \dots $	
$10.31 \text{ $\overline{\mathbf{X}}$-INVALID-ORDER-3177 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s}\right) \dots $	
$10.31\% \text{INVALID-ORDER-3178} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ R_4 + \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ R_6 + \frac{1}{C_6s}\right) \dots \dots \dots \dots \dots \dots \dots \dots \dots $	630
$10.31 \% \text{INVALID-ORDER-3179} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	630
$10.31 \text{MOINVALID-ORDER-3180} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ \frac{1}{C_6 s}\right) \ \dots $	630
$10.31 \text{M-INVALID-ORDER-3181} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	631
$10.31\$2\text{INVALID-ORDER-3182}\ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ \frac{R_2}{C_2R_2s+1}, \ \frac{R_3}{C_3R_3s+1}, \ \frac{R_4}{C_4R_4s+1}, \ R_5, \ \frac{R_6}{C_6R_6s+1}\right)$	
$10.3183 \text{ INVALID-ORDER-3183 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right) \dots \dots$	
$10.31 \& \text{INVALID-ORDER-3184} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 \right) \ \dots $	631
$10.31 \$5 \text{INVALID-ORDER-3185} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s} \right) \dots $	631
$10.31\% \text{INVALID-ORDER-3186} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	631
$10.31 \text{ \mathbb{Z}-INVALID-ORDER-3187 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1} \right)' \dots \dots$	631
$10.31\$\&INVALID-ORDER-3188\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right) \ .$ $10.31\$\&INVALID-ORDER-3189\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right) \ .$ $10.31\$\&INVALID-ORDER-3190\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right) \ .$ $10.31\$\&INVALID-ORDER-3190\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right) \ .$	631
$10.3189 \text{INVALID-ORDER-3189} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	631
$10.31 \mathfrak{RO} \text{INVALID-ORDER-3190 } Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ \frac{R_6}{C_6 R_6 s+1}\right) \qquad \dots $	631
11 X-INVALID-WZ	632
11.1 X-INVALID-WZ-1 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	632
11.2 X-INVALID-WZ-2 $Z(s) = (R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s})$	
11.3 X-INVALID-WZ-3 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	632
11.4 X-INVALID-WZ-4 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	633
11.5 X-INVALID-WZ-5 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s} \right) \dots $	633
11.6 X-INVALID-WZ-6 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	633
11.7 X-INVALID-WZ-7 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	
11.8 X-INVALID-WZ-8 $Z(s) = (R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s})$	
11.9 X-INVALID-WZ-9 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	634
11.10X-INVALID-WZ-10 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	634
11.11X-INVALID-WZ-11 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$	635
11.12X-INVALID-WZ-12 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	635
$11.13X-INVALID-WZ-13 \ Z(s) = \left(R_1, \ R_2, \ \frac{R_3}{C_3R_3s+1}, \ \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ \frac{R_6}{C_6R_6s+1}\right) \dots \dots$	635

11.14X-INVALID-WZ-14 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right) \dots \dots$	636
11.15X-INVALID-WZ-15 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	636
11.16X-INVALID-WZ-16 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	636
11.17X-INVALID-WZ-17 $Z(s) = (R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1})$	636
11.18X-INVALID-WZ-18 $Z(s) = (R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s})$	637
11.19X-INVALID-WZ-19 $Z(s) = (R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6)$	637
11.20X-INVALID-WZ-20 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	637
11.21X-INVALID-WZ-21 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$	638
11.22X-INVALID-WZ-22 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	638
11.23X-INVALID-WZ-23 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	638
$11.24 \text{X-INVALID-WZ-} 24 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	639
$11.25 \text{X-INVALID-WZ-} 25 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	639
$11.26 \text{X-INVALID-WZ-} 26 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	639
$11.27 \text{X-INVALID-WZ-} 27 \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	340
11.28X-INVALID-WZ-28 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	640
11.29X-INVALID-WZ-29 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	640
11.30X-INVALID-WZ-30 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	640
11.31X-INVALID-WZ-31 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	341
11.32X-INVALID-WZ-32 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	341
11.33X-INVALID-WZ-33 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$	341
11.34X-INVALID-WZ-34 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	642
11.35X-INVALID-WZ-35 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	642
$11.36\text{X-INVALID-WZ-}36\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ R_3,\ R_4,\ \frac{R_5}{C_5 R_5 s + 1},\ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	642
11.37X-INVALID-WZ-37 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	343
11.38X-INVALID-WZ-38 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
11.39X-INVALID-WZ-39 $Z(s) = (R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6)$	
11.40X-INVALID-WZ-40 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
11.41X-INVALID-WZ-41 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)^{\prime}$	
11.42X-INVALID-WZ-42 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$	
11.43X-INVALID-WZ-43 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$	
11.44X-INVALID-WZ-44 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
11.45X-INVALID-WZ-45 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$11.46\text{X-INVALID-WZ-}46\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{1}{C_6 s}\right) \qquad \dots \qquad $	
11.47X-INVALID-WZ-47 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	
11.48X-INVALID-WZ-48 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$	
$11.49 \text{X-INVALID-WZ-} 49 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{1}{C_6 s} \right) $	346
11.50X-INVALID-WZ-50 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$.	
11.51X-INVALID-WZ-51 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	347
11.52X-INVALID-WZ-52 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$	347
11.53X-INVALID-WZ-53 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$	348

11.54X-INVALID-WZ-54 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$. 648
11.55X-INVALID-WZ-55 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 648
$11.56\text{X-INVALID-WZ-}56\ Z(s) = \left(R_1,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s + 1},\ \frac{R_4}{C_4 R_4 s + 1},\ R_5,\ R_6\right)\ \dots$. 649
$11.57X-INVALID-WZ-57 \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) \ \dots $. 649
11.58X-INVALID-WZ-58 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 649
11.59X-INVALID-WZ-59 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$. 650
$11.60 \text{X-INVALID-WZ-} 60 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 650
11.61X-INVALID-WZ-61 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$. 650
$11.62 \text{X-INVALID-WZ-} 62 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 650
$11.63X-INVALID-WZ-63\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ R_4,\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right)$. 651
$11.64X-INVALID-WZ-64\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right)\ \dots$. 651
$11.65 \text{X-INVALID-WZ-} 65 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 651
$11.66\text{X-INVALID-WZ-}66\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4,\ \frac{1}{C_5s},\ R_6 + \frac{1}{C_6s}\right)$. 652
$11.67X-INVALID-WZ-67\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4,\ \frac{R_5}{C_5R_5s+1},\ R_6\right)$. 652
11.68X-INVALID-WZ-68 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 652
$11.69X-INVALID-WZ-69\ Z(s) = \left(R_1,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ R_6\right) \ \dots $. 653
$11.70 \text{X-INVALID-WZ-} 70 \ Z(s) = \left(R_1, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 653
11.71X-INVALID-WZ-71 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$. 653
11.72X-INVALID-WZ-72 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 653
11.73X-INVALID-WZ-73 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 654
11.74X-INVALID-WZ-74 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 654
11.75X-INVALID-WZ-75 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$. 654
11.76X-INVALID-WZ-76 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 655
11.77X-INVALID-WZ-77 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$. 655
11.78X-INVALID-WZ-78 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 655
11.79X-INVALID-WZ-79 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)'$	
11.80X-INVALID-WZ-80 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_3 s}, \frac{1}{C_5 R_5 s+1}, \frac{R_5}{C_5 $	
11.81X-INVALID-WZ-81 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$	
11.82X-INVALID-WZ-82 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
11.83X-INVALID-WZ-83 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)'$	
11.84X-INVALID-WZ-84 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
11.85X-INVALID-WZ-85 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 658
11.86X-INVALID-WZ-86 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 658
11.87X-INVALID-WZ-87 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)^{\prime}$	
11.88X-INVALID-WZ-88 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$	
11.89X-INVALID-WZ-89 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 659
$11.90 \text{X-INVALID-WZ-} 90 \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ R_6\right) \ . \dots \dots$. 659
$11.91X-INVALID-WZ-91 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right) \dots \dots$. 660
11.92X-INVALID-WZ-92 $Z(s) = \left(\frac{1}{C_{18}}, \frac{R_2}{C_2R_3s+1}, \frac{1}{C_{28}}, R_4 + \frac{1}{C_{48}}, \frac{R_5}{C_2R_2s+1}, R_6\right)$. 660
$11.93X-INVALID-WZ-93 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 660

$11.94X-INVALID-WZ-94\ Z(s) = \left(\frac{1}{C_1s},\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ R_4,\ \frac{R_5}{C_5R_5s+1},\ R_6\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
$11.95 \text{X-INVALID-WZ-} 95 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $
$11.96X-INVALID-WZ-96 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right) $
$11.97X-INVALID-WZ-97 \ Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right) \dots \dots$
$11.98X-INVALID-WZ-98 \ Z(s) = \left(\frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right)'$
11.99X-INVALID-WZ-99 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.10 X-INVALID-WZ-100 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.10K-INVALID-WZ-101 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
11.10 X -INVALID-WZ-102 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.10 X-INVALID-WZ-103 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
11.10 X -INVALID-WZ-104 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
11.10 X-INVALID-WZ-105 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.10 X-INVALID-WZ-106 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
11.10 X -INVALID-WZ-107 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.10 X-INVALID-WZ-108 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$
11.10 X-INVALID-WZ-109 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.11 X -INVALID-WZ-110 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
11.11 X -INVALID-WZ-111 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
11.11 \mathbf{X} -INVALID-WZ-112 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
11.11 X -INVALID-WZ-113 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.11 X -INVALID-WZ-114 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
11.11 X-INVALID-WZ-115 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.11 % -INVALID-WZ-116 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.11 \mathbf{X} -INVALID-WZ-117 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_5 R_5 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
11.11\&\text{-INVALID-WZ-118} $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, R_6 + \frac{1}{C_{6s}}\right)$
11.11 X-INVALID-WZ-119 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)^2$
11.12 X-INVALID-WZ-120 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
$11.12 \text{K-INVALID-WZ-} 121 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $
$11.12\mathbf{X}\text{-INVALID-WZ-}122\ Z(s) = \left(R_1 + \frac{1}{C_1 s},\ R_2,\ R_3 + \frac{1}{C_3 s},\ \frac{R_4}{C_4 R_4 s + 1},\ \frac{R_5}{C_5 R_5 s + 1},\ R_6\right)' \dots \dots$
11.12 X -INVALID-WZ-123 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$
$11.12 \text{X-INVALID-WZ-} 124 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right) $
11.12 X-INVALID-WZ-125 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$
11.12 X-INVALID-WZ-126 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_6 s}, \frac{1}{C_6 s}\right)$
$11.12\text{X-INVALID-WZ-}127\ Z(s) = \left(R_1 + \frac{1}{C_1 s},\ R_2,\ \frac{R_3}{C_3 R_3 s + 1},\ \frac{R_4}{C_4 R_4 s + 1},\ R_5,\ R_6\right) \dots $
11.12 X-INVALID-WZ-128 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
11.12 X-INVALID-WZ-129 $Z(s) = (R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6)$
11.13 X-INVALID-WZ-130 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
11.13 X -INVALID-WZ-131 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)^{-1}$
11.13 X -INVALID-WZ-132 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
11.13 X -INVALID-WZ-133 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_3 s}, \frac{1}{C_5 s}, 1$

11.13 X -INVALID-WZ-134 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 673
11.13 X-INVALID-WZ-135 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 674
11.13 X-INVALID-WZ-136 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4, \frac{1}{C_{5s}}, R_6 + \frac{1}{C_{6s}}\right)$. 674
11.13 X -INVALID-WZ-137 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 674
11.13 X-INVALID-WZ-138 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$. 675
11.13\(\text{X-INVALID-WZ-139} \) $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 \right)$. 675
11.14%-INVALID-WZ-140 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 675
$11.14\text{K-INVALID-WZ-}141\ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $. 676
11.14 \mathbf{X} -INVALID-WZ-142 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$. 676
11.14 X -INVALID-WZ-143 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 676
(. 676
11.14 X-INVALID-WZ-145 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$. 677
11.14%-INVALID-WZ-146 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3, R_4, R_5 + \frac{1}{C_{5s}}, R_6\right)$. 677
11.14 X -INVALID-WZ-147 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 677
11.14 X -INVALID-WZ-148 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$. 678
11.14%-INVALID-WZ-149 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$. 678
11.15 X -INVALID-WZ-150 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \ R_2 + \frac{1}{C_{2s}}, \ \frac{1}{C_{3s}}, \ R_4, \ \frac{1}{C_{5s}}, \ \frac{1}{C_{6s}}\right)$. 678
11.15 K -INVALID-WZ-151 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$. 679
11.15 X -INVALID-WZ-152 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{R_6}{C_6R_6s+1}\right)$. 679
11.15 X -INVALID-WZ-153 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$. 679
11.15 X -INVALID-WZ-154 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$. 679
11.15 X-INVALID-WZ-155 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$. 680
11.15 X-INVALID-WZ-156 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$. 680
11.15 X -INVALID-WZ-157 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$. 680
11.15 X-INVALID-WZ-158 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$. 681
11.15 X-INVALID-WZ-159 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)^{-1}$	
11.16 X-INVALID-WZ-160 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$11.16 \text{X-INVALID-WZ-} 161 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right)' \dots \dots$	
$11.16\mathbf{X}\text{-INVALID-WZ-}162\ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $. 682
$11.16 X-INVALID-WZ-163 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right)' \dots \dots$	
11.16 X -INVALID-WZ-164 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
11.16 X-INVALID-WZ-165 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 \overline{R}_5 s + 1}, R_6\right)$	
11.16 X-INVALID-WZ-166 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
$11.16\text{X-INVALID-WZ-}167\ Z(s) = \left(R_1 + \frac{1}{C_1 s},\ \frac{R_2}{C_2 R_2 s + 1},\ \frac{1}{C_3 s},\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ R_6\right)' \dots \dots$. 683
$11.16 \text{\%-INVALID-WZ-} 168 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $. 684
$11.16 \text{X-INVALID-WZ-} 169 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 \right)' $. 684
11.17 X-INVALID-WZ-170 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	
11.17 K -INVALID-WZ-171 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$	
11.17 X -INVALID-WZ-172 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$. 685
$11.17 \text{X-INVALID-WZ-} 173 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ . \dots \dots$. 685

$11.17 \text{$\mathbb{X}$-INVALID-WZ-174} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s+1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \qquad \ldots \qquad $	686
$11.17 \text{X-INVALID-WZ-} 175 \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{R_2}{C_2 R_2 s + 1}, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right)^{\frac{1}{2}} \dots $	686
11.17 X-INVALID-WZ-176 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	686
11.17\(\bar{X}\)-INVALID-WZ-177 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	687
11.17\Lines-INVALID-WZ-178 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	687
11.17 X-INVALID-WZ-179 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	687
$11.18 \text{ (X-INVALID-WZ-180 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ \dots $	688
$11.18 \text{K-INVALID-WZ-} 181 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	688
$11.18 \mathbf{X}\text{-INVALID-WZ-}182 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	688
11.18 X-INVALID-WZ-183 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	689
$11.18 \text{\%-INVALID-WZ-}184 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \ \dots $	689
11.18 X-INVALID-WZ-185 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	689
11.18 X-INVALID-WZ-186 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$	690
11.18 X -INVALID-WZ-187 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	690
11.18 X-INVALID-WZ-188 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$	690
11.18 X -INVALID-WZ-189 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	691
$11.19 \text{ \mathbb{X}-INVALID-WZ-190 } Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	691
$11.19 \text{K-INVALID-WZ-} 191 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	691
$11.19\mathbf{X}\text{-INVALID-WZ-}192\ Z(s) = \left(\frac{R_1}{C_1R_1s+1},\ \frac{1}{C_2s},\ \frac{R_3}{C_3R_3s+1},\ \frac{1}{C_4s},\ \frac{R_5}{C_5R_5s+1},\ R_6\right)\ \dots$	692
11.19 X -INVALID-WZ-193 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$	692
$11.19 \text{$\mathbb{X}$-INVALID-WZ-194} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right) \dots $	692
11.19 X-INVALID-WZ-195 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	693
$\begin{pmatrix} c_1 c_1 s_{+1} & c_2 c_2 s_{+1} & c_3 s & c_5 c_5 c_5 s_{+1} & c_6 s \end{pmatrix}$	693
$11.19 \text{X-INVALID-WZ-} 197 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ .$ $11.19 \text{X-INVALID-WZ-} 198 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right) \ .$ $11.19 \text{X-INVALID-WZ-} 199 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ .$	693
$11.19 \times -\text{INVALID-WZ-} 198 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	694
$11.19 \text{X-INVALID-WZ-} 199 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \ \dots $	694
$11.20 \times \text{INVALID-WZ-} 200 \ Z(s) = \left(\frac{R_1}{C(R_{2n-1})}, \ \frac{R_2}{C(R_{2n-1})}, \ \frac{R_2}{C(R_{2n-1})}, \ \frac{R_3}{C(R_{2n-1})}, \ R_4, \ \frac{R_5}{C(R_{2n-1})}, \ R_6\right) \ \dots $	694
$11.20 \text{K-INVALID-WZ-} 201 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \frac{R_2}{C_2 R_2 s + 1}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) \dots $	695
$11.20 \text{X-INVALID-WZ-} 201 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right) $ $11.20 \text{X-INVALID-WZ-} 202 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) $	695
$11.20 X-INVALID-WZ-203 \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$	695
$11.20 \text{$\mathbb{X}$-INVALID-WZ-204} \ Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \ \frac{R_2}{C_2 R_2 s+1}, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6\right) \ \dots $	696

12 X-PolynomialError

1 Examined H(z) for VLSI CMMF Automated NA Z1 Z2 Z3 Z4 Z5 Z6: $\frac{Z_1Z_2Z_4Z_6}{Z_1Z_4Z_5-Z_2Z_3Z_4+Z_2Z_3Z_5+Z_2Z_4Z_5+Z_3Z_4Z_5}$

$$H(z) = \frac{Z_1 Z_2 Z_4 Z_6}{Z_1 Z_4 Z_5 - Z_2 Z_3 Z_4 + Z_2 Z_3 Z_5 + Z_2 Z_4 Z_5 + Z_3 Z_4 Z_5}$$

- 2 AP
- BP
- **3.1 BP-1** $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{-C_5 C_6 R_2 R_3 R_4 R_6 s^2 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(-C_5 R_2 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_3 R_6 + C_6 R_2 R_4 R_6 + C_6 R_3 R_4 R_6\right)}$$

Parameters:

Q: $\frac{i\sqrt{C_5}\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_5R_2R_3R_4-C_6R_1R_4R_6-C_6R_2R_3R_6-C_6R_2R_4R_6-C_6R_3R_4R_6}}$ wo: $\frac{\sqrt{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}}}$ bandwidth: $-\frac{i\sqrt{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}(C_5R_2R_3R_4-C_6R_1R_4R_6-C_6R_2R_3R_6-C_6R_2R_4R_6-C_6R_3R_4R_6)}{C_5C_6R_2R_3R_4C_6\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}$

K-HP: 0

K-BP: $-\frac{C_5R_1R_2R_4R_6}{C_5R_2R_3R_4 - C_6R_1R_4R_6 - C_6R_2R_3R_6 - C_6R_2R_4R_6 - C_6R_3R_4R_6}$

Qz: None Wz: None

3.2 BP-2 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_5R_1R_2R_4R_6s$

 $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_5C_6R_1R_4R_5R_6 - C_5C_6R_2R_3R_4R_6 + C_5C_6R_2R_3R_5R_6 + C_5C_6R_2R_3R_4R_5 + C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_3R_3R_5 + C_5R_3R_5 + C_5R_5R_5 + C_5R_5R_5 + C_5R_5R_5 + C_5R_5R_5 + C_5R_5R_5 + C_5R_5R_5 + C_5R_5R_$

Parameters:

 $Q: \frac{\sqrt{C_5}\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_4 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_4R_5 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_4R_5 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_4R_5 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_4R_5 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_4R_5 + R_3R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_1R_4R_5 + R_1R_4R_5}\sqrt{\frac{1}{R_1R_4R_5 - R_1R_4R_5 + R_1R_4R_5}\sqrt{\frac{1}{R_1R_4R_5 - R_1R_4R_5 + R_1R_4R_5}\sqrt{\frac{1}{R_1R_4R_5 - R_1R_4R_5}\sqrt{\frac{1}{R_1R_4R_5$

wo: $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_5C_6R_1R_4R_5R_6 - C_5C_6R_2R_3R_4R_6 + C_5C_6R_2R_3R_5R_6 + C_5C_6R_2R_4R_5R_6 + C_5C_6R_3R_4R_5R_6}}$

 $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_4R_5 + C_5R_3R_4R_5 + C_6R_1R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6)\sqrt{\frac{C_5C_6R_1R_4R_5R_6 - C_5C_6R_2R_4R_5 + C_5R_3R_4R_5 + C_6R_2R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6 + C_6R_5R_6 + C_6R_5R_6$

K-LP: 0

K-HP: 0

 $\text{K-BP: } \frac{C_5 R_1 R_2 R_4 R_6}{C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5 + C_6 R_1 R_4 R_6 + C_6 R_2 R_3 R_6 + C_6 R_2 R_4 R_6 + C_6 R_3 R_4 R_6}$

Wz: None

3.3 BP-3 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^2 \left(C_4 C_6 R_2 R_3 R_6 - C_5 C_6 R_2 R_3 R_6 \right) + s \left(C_4 R_2 R_3 - C_5 R_2 R_3 + C_6 R_1 R_6 + C_6 R_2 R_6 + C_6 R_3 R_6 \right)}$$

Parameters:

$$Q \colon \frac{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}} - C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_4R_2R_3-C_5R_2R_3+C_6R_1R_6+C_6R_2R_6+C_6R_3R_6} \\ \text{wo: } \sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4C_6R_2R_3R_6}} \\ \text{bandwidth: } \frac{\sqrt{R_1+R_2+R_3}(C_4R_2R_3-C_5R_2R_3+C_6R_1R_6+C_6R_2R_6+C_6R_3R_6)\sqrt{\frac{1}{C_4C_6R_2R_3R_6-C_5C_6R_2R_3R_6}}}{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}} - C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}}$$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_5R_1R_2R_6}{C_4R_2R_3-C_5R_2R_3+C_6R_1R_6+C_6R_2R_6+C_6R_3R_6}$ Qz: None

Wz: None

3.4 BP-4
$$Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

 $H(s) = \frac{C_3 C_4 C_5 R_2 R_3 R_5 s^2 + R_1 + R_2 + R_3 + s \left(C_4 R_2 R_3 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_2 R_5 + C_5 R_3 R_5 \right)}{C_4 C_5 R_2 R_3 R_5 s^2 + R_1 + R_2 + R_3 + s \left(C_4 R_2 R_3 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_2 R_5 + C_5 R_3 R_5 \right)}$

Parameters:

Q: $\frac{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_1+R_2+R_3}}{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{C_4C_5R_2R_3R_5}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_5R_1R_2R_6}{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$

Qz: None Wz: None

3.5 BP-5 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_4C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6\right) + s\left(C_4R_2R_3R_4 - C_5R_2R_3R_4 + C_6R_1R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6\right)}$

Parameters:

 $\frac{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{C_4R_2R_3R_4-C_5R_2R_3R_4+C_6R_1R_4R_6+C_6R_2R_3R_6+C_6R_2R_4R_6+C_6R_3R_4R_6}$

wo: $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_4C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6}}$

 $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_4R_2R_3R_4 - C_5R_2R_3R_4 + C_6R_1R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6)\sqrt{\frac{1}{C_4C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6}}$ $C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}} - C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_4R_2R_3R_4 - C_5R_2R_3R_4 + C_6R_1R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6}$

Qz: None

Wz: None

3.6 BP-6 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $C_5R_1R_2R_4R_6s$ $H(s) = \frac{1}{C_4 C_5 R_2 R_3 R_4 R_5 s^2 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(C_4 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5 \right)}{C_4 C_5 R_2 R_3 R_4 R_5 s^2 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(C_4 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_2 R_4 R_5 \right)}$

Parameters:

Q: $\frac{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{C_4C_5R_2R_3R_4R_5}$ W. I.D. 0

K-LP: 0 K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$

Qz: None Wz: None

3.7 BP-7
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

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

Parameters:

Q: $\frac{\sqrt{C_3}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_2}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_3R_1R_4R_5+C_3R_2R_4R_5-C_6R_2R_4R_6+C_6R_2R_5R_6+C_6R_4R_5R_6}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_3C_6R_1R_4R_5R_6+C_3C_6R_2R_4R_5R_6}}$ bandwidth: $\frac{C_3R_1R_4R_5+C_3R_2R_4R_5-C_6R_2R_4R_6+C_6R_2R_5R_6+C_6R_4R_5R_6}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_2}\sqrt{C_3C_6R_1R_4R_5R_6+C_3C_6R_2R_4R_5R_6}}$ W. I.D. 0

Wz: None

3.8 BP-8 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5\right) + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4 + C_5C_6R_2R_5 + C_5C_6R_4R_5\right)}$$

Parameters:

wo: $\frac{1}{\sqrt{C_3C_5R_1}R_4R_5+C_3C_5R_2R_4R_5}$ bandwidth: $\frac{C_3R_1R_4+C_3R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}{\sqrt{C_3\sqrt{C_5}\sqrt{R_4\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_5R_1R_4R_5}+C_3C_5R_2R_4R_5}}$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4+C_3C_6R_2R_4-C_5C_6R_2R_4+C_5C_6R_2R_5+C_5C_6R_4R_5}$ Qz: None

Wz: None

3.9 BP-9 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

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

Parameters:

K-HP: 0 K-BP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5 - C_6R_2R_6 + C_6R_5R_6}$

Wz: None

Qz: None

3.10 BP-10 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^2\left(C_3C_5C_6R_1R_5 + C_3C_5C_6R_2R_5 + C_4C_5C_6R_2R_5\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

wo: $\frac{1}{\sqrt{C_3C_5R_1R_5 + C_4R_2 - C_5R_2 + C_5R_5}}$ bandwidth: $\frac{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_5R_5}{\sqrt{C_5}\sqrt{R_5}\sqrt{C_3R_1 + C_3R_2 + C_4R_2}\sqrt{C_3C_5R_1R_5 + C_3C_5R_2 + C_5R_2}}$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2+C_5C_6R_5}$ Qz: None

Wz: None

3.11 BP-11
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(C_3 C_6 R_1 R_4 R_5 R_6 + C_3 C_6 R_2 R_4 R_5 R_6 + C_4 C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 + C_4 R_2 R_4 R_5 - C_6 R_2 R_4 R_6 + C_6 R_2 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 + C_4 R_2 R_4 R_5 + C_6 R_2 R_4 R_6 + C_6 R_2 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 + C_4 R_2 R_4 R_5 + C_6 R_2 R_4 R_5 + C_6 R_2 R_4 R_5 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 + C_4 R_2 R_4 R_5 + C_6 R_2 R_4 R_5 + C_6 R_2 R_4 R_5 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_2 R_4 R_5 R_6\right) + s \left(C_3 R_1 R_4 R_5 R_6 + C_6 R_4 R_5 R_6\right) + s \left(C_3 R_4 R_5 R_6 + C_6 R_4 R_5 R_6\right) + s \left(C_3 R_4 R_5 R_6 + C_6 R_4 R_5 R_6\right) + s \left(C_3 R_4 R_5 R_6 + C_6 R_5 R_5 R_6\right) + s \left(C_3 R_4 R_5 R_6 + C_6 R_5 R_5 R_6\right) + s \left(C_3 R_4 R_5 R_6 + C_6 R_5 R_5 R_6\right) + s \left(C_3 R_4 R_5 R_6 + C_6 R_5 R_5 R_6\right) + s \left(C_3 R_5 R_6 R_5 R_6 R_5 R_6\right) + s \left(C_3 R_5 R_5 R_6 R_5 R_6 R_5 R_6\right) + s \left(C_3 R_5 R_6 R_5 R_6 R_5 R_6\right) + s \left(C_3 R_5 R_6 R_5 R_6 R_5$$

Parameters:

K-HP: 0

K-BP: $\frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5 + C_3R_2R_4R_5 + C_4R_2R_4R_5 - C_6R_2R_4R_6 + C_6R_2R_5R_6 + C_6R_4R_5R_6}$

Qz: None Wz: None

3.12 BP-12
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5\right) + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4 + C_5C_6R_2R_5 + C_5C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_2+R_4}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5+C_4C_5R_2R_4R_5}}$ bandwidth: $\frac{C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5+C_4C_5R_2R_4R_5}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4 + C_5C_6R_2R_5 + C_5C_6R_4R_5}$

Qz: None Wz: None

3.13 BP-13 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(C_3 C_6 R_1 R_4 R_5 R_6 - C_3 C_6 R_2 R_3 R_4 R_6 + C_3 C_6 R_2 R_3 R_5 R_6 + C_3 C_6 R_2 R_4 R_5 R_6 + C_3 C_6 R_2 R_4 R_5 R_6 \right) + s \left(C_3 R_1 R_4 R_5 - C_3 R_2 R_3 R_5 + C_3 R_2 R_4 R_5 + C_3 R_2 R_4 R_5 + C_6 R_2 R_4 R_6 + C_6 R_2 R_5 R_6 + C_6 R_4 R_5 R_6 \right)}$$

Parameters:

 $Q \colon \frac{\sqrt{C_3}\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{-\frac{R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_2R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{R_4R_5}{R_1R_4R_5-R_2R_$

Wo: $\sqrt{\frac{-R_2R_4+R_2R_5+R_4}{C_3C_6R_1R_4R_5R_6-C_3C_6R_2R_3R_4R_6+C_3C_6R_2R_3R_5R_6+C_3C_6R_2R_4R_5R_6+C_3C_6R_3R_4R_5R_6}$

K-LP: 0

K-HP: 0 K-BP: $\frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5-C_6R_2R_4R_6+C_6R_2R_5R_6+C_6R_4R_5R_6}$ Qz: None

Wz: None

107

3.14 BP-14
$$Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{-C_3C_5C_6R_2R_3R_4s^2 + C_6R_2 + C_6R_4 + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 - C_5C_6R_2R_4\right)}$$

Parameters:

Q: $-\frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_2+R_4}}{C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4}$ wo: $\frac{\sqrt{-R_2-R_4}}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$

bandwidth: $i\sqrt{-R_2-R_4}(C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 - C_5C_6R_2R_4}$

Wz: None

3.15 BP-15 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_3C_5C_6R_1R_4R_5 - C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_2R_3R_5 + C_3C_5C_6R_2R_4R_5 + C_3C_5C_6R_3R_4R_5\right) + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_5C_6R_2R_4 + C_5C_6R_4 + C_5C_6$$

Parameters:

 $Q: \frac{\sqrt{C_3}\sqrt{C_5}R_1R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}}} + \sqrt{C_3}\sqrt{C_5}R_3R_4+R_5}\sqrt{R_3}\sqrt{R_3}} + \sqrt{C_3}\sqrt{C_5}R_3R_4\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}} + \sqrt{C_3}\sqrt{$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 C_5 R_1 R_4 R_5 - C_3 C_5 R_2 R_3 R_4 + C_3 C_5 R_2 R_3 R_5 + C_3 C_5 R_2 R_4 R_5 + C_3 C_5 R_3 R_4 R_5}$

 $\frac{\sqrt{C_3}\sqrt{C_5}R_1R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_3}\sqrt{C_5}R_2R_3R_4+C_3C_5R_2R$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4+C_3C_6R_2R_3+C_3C_6R_2R_4+C_3C_6R_3R_4-C_5C_6R_2R_4+C_5C_6R_2R_5+C_5C_6R_4R_5}$ Qz: None

Wz: None

3.16 BP-16 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_6 s}{C_3 C_4 R_2 R_3 R_5 s^2 - R_2 + R_5 + s \left(C_3 R_1 R_5 - C_3 R_2 R_3 + C_3 R_2 R_5 + C_3 R_3 R_5 + C_4 R_2 R_5 \right)}$$

Parameters:

wo: $\frac{\sqrt{-R_2 + R_5}}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_4R_2R_5}{C_3C_4R_2R_3R_5}$

K-HP: 0

K-BP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_4R_2R_5}$

Qz: None

Wz: None

3.17 BP-17 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^2\left(C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2\right)}$$

Parameters:

Q:
$$\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_3R_1+C_3R_2+C_3R_3+C_4R_2-C_5R_2}$$

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wo: \sqrt{\frac{1}{C_3C_4R_2R_3-C_3C_5R_2R_3}} bandwidth: \frac{(C_3R_1+C_3R_2+C_3R_3+C_4R_2-C_5R_2)\sqrt{\frac{1}{C_3C_4R_2R_3-C_3C_5R_2R_3}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}} K-LP: 0 K-HP: 0 K-BP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_3C_6R_3+C_4C_6R_2-C_5C_6R_2}} Qz: None
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3.18 BP-18 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{C_3 C_4 R_2 R_3 R_4 R_5 s^2 - R_2 R_4 + R_2 R_5 + R_4 R_5 + s \left(C_3 R_1 R_4 R_5 - C_3 R_2 R_3 R_4 + C_3 R_2 R_3 R_5 + C_3 R_2 R_4 R_5 + C_3 R_3 R_4 R_5 + C_4 R_2 R_4 R_5 \right)}$$

Parameters:

Wz: None

Q: $\frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_2}R_4+R_2}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5}$ wo: $\frac{\sqrt{-R_2}R_4+R_2R_5+R_4R_5}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5}{C_3C_4R_2R_3R_4R_5}$ K-LP: 0 K-HP: 0 K-BP: $\frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_4R_6}$ Qz: None Wz: None

3.19 BP-19 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_3C_4C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4\right) + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

Parameters:

3.20 BP-20 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^2 \left(C_2 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 - C_5 C_6 R_3 R_4 R_6 \right) + s \left(C_2 R_1 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4 + C_6 R_3 R_6 + C_6 R_4 R_6 \right)}$$

$$Q\colon \frac{C_2\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_6}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} \\ vo: \sqrt{R_3+R_4}\sqrt{\frac{1}{C_2C_6}R_1R_4R_6+C_2C_6R_3R_4R_6} - C_5C_6R_3R_4R_6} \\ bandwidth: \frac{\sqrt{R_3+R_4}(C_2R_1R_4+C_2R_3R_4-C_5R_3R_4+C_6R_3R_6+C_6R_4R_6)\sqrt{\frac{1}{C_2C_6R_1R_4R_6+C_2C_6R_3R_4R_6}}}{C_2\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_6}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}} \\ K-LP: 0 \\ K-HP: 0 \\ K-BP: \frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_3R_4-C_5R_3R_4+C_6R_3R_6+C_6R_4R_6}}{C_2R_1R_4R_6} \\ Qz: None$$

Wz: None

3.21 BP-21
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^2 \left(C_2 C_5 R_1 R_4 R_5 + C_2 C_5 R_3 R_4 R_5 \right) + s \left(C_2 R_1 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4 + C_5 R_3 R_5 + C_5 R_4 R_5 \right)}$$

Parameters:

3.22 BP-22 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_1 R_6 s}{s^2 \left(C_2 C_6 R_1 R_6 + C_2 C_6 R_3 R_6 + C_4 C_6 R_3 R_6 - C_5 C_6 R_3 R_6\right) + s \left(C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3 + C_6 R_6\right) + 1}$$

Parameters:

Wz: None

$$Q: \frac{C_2\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_6}R_3\sqrt{R_6}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_6}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{R_6}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} -$$

3.23 BP-23 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_6 s}{s^2 \left(C_2 C_5 R_1 R_5 + C_2 C_5 R_3 R_5 + C_4 C_5 R_3 R_5\right) + s \left(C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3 + C_5 R_5\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_1+C_2R_3+C_4R_3-C_5R_3+C_5R_5}$ wo: $\frac{1}{\sqrt{C_2C_5R_1R_5+C_2C_5R_3R_5+C_4C_5R_3R_5}}$ bandwidth: $\frac{C_2R_1+C_2R_3+C_4R_3-C_5R_3+C_5R_5}{\sqrt{C_5}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_5R_1R_5+C_2C_5R_3R_5+C_4C_5R_3R_5}}$ K-LP: 0 K-HP: 0 K-BP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3+C_5R_5}$ Qz: None Wz: None

3.24 BP-24
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^2 \left(C_2 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 + C_4 C_6 R_3 R_4 R_6 - C_5 C_6 R_3 R_4 R_6 \right) + s \left(C_2 R_1 R_4 + C_2 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4 + C_6 R_3 R_6 + C_6 R_4 R_6 \right)}$$

$$Q: \frac{\frac{C_2\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}{\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}{\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3} + R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6$$

wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 + C_4 C_6 R_3 R_4 R_6 - C_5 C_6 R_3 R_4 R_6}$

 $\text{bandwidth: } \frac{\sqrt{R_3 + R_4}(C_2R_1R_4 + C_2R_3R_4 + C_4R_3R_4 - C_5R_3R_4 + C_6R_3R_6 + C_6R_4R_6)}\sqrt{\frac{1}{C_2C_6R_1R_4R_6 + C_2C_6R_3R_4R_6 + C_4C_6R_3R_4R_6 - C_5C_6R_3R_4R_6}}{C_2\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - C_5\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_5\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4} + C_4R_3\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}} + C_4R_3\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_4}} + C_4R_6\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{R_6}\sqrt{R_4}\sqrt{R_6}\sqrt{$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4+C_6R_3R_6+C_6R_4R_6}$ Qz: None

Wz: None

3.25 BP-25 $Z(s) = \left(R_1, \frac{1}{C_{2s}}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^2 \left(C_2 C_5 R_1 R_4 R_5 + C_2 C_5 R_3 R_4 R_5 + C_4 C_5 R_3 R_4 R_5\right) + s \left(C_2 R_1 R_4 + C_2 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4 + C_5 R_3 R_5 + C_5 R_4 R_5\right)}$$

Parameters:

K-HP: 0 K-BP: $\frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5}$ Qz: None

Wz: None

3.26 BP-26
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_4 R_6 s}{C_2 C_3 R_1 R_4 R_5 s^2 - R_4 + R_5 + s \left(C_2 R_4 R_5 + C_3 R_4 R_5\right)}$$

Parameters:

wo: $\frac{\sqrt{C_2\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}}{\sqrt{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$

K-LP: 0 K-HP: 0 K-BP: $\frac{C_3R_1R_6}{C_2R_5+C_3R_5}$ Qz: None Wz: None

3.27 BP-27
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_4s}{C_2C_3C_6R_1R_4s^2 + C_6 + s\left(C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}$$

Q:
$$\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_4}+C_3\sqrt{R_4}-C_5\sqrt{R_4}}$$

wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}}$

bandwidth: $\frac{C_2\sqrt{R_4}+C_3\sqrt{R_4}-C_5\sqrt{R_4}}{C_2C_3R_1\sqrt{R_4}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6-C_5C_6}$ Qz: None

Wz: None

3.28 BP-28
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

 $H(s) = \frac{C_3 R_1 R_6 s}{C_2 C_3 R_1 R_5 s^2 + s \left(C_2 R_5 + C_3 R_5 + C_4 R_5\right) - 1}$

Parameters:

Q: $\frac{i\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}}$

Wo: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}}{C_2C_3R_1\sqrt{R_5}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3R_1R_6}{C_2R_5+C_3R_5+C_4R_5}$ Qz: None

Wz: None

3.29 BP-29
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_3C_5R_1R_6s}{C_2C_3C_6R_1R_6s^2 + C_2 + C_3 + C_4 - C_5 + s\left(C_2C_3R_1 + C_2C_6R_6 + C_3C_6R_6 + C_4C_6R_6 - C_5C_6R_6\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}\sqrt{C_2+C_3+C_4-C_5}}{C_2C_3R_1+C_2C_6R_6+C_3C_6R_6+C_4C_6R_6-C_5C_6R_6}$ wo: $\frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$ bandwidth: $\frac{C_2C_3R_1+C_2C_6R_6+C_3C_6R_6+C_4C_6R_6-C_5C_6R_6}{C_2C_3C_6R_1R_6}$

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1+C_2C_6R_6+C_3C_6R_6+C_4C_6R_6-C_5C_6R_6}$ Qz: None

Wz: None

3.30 BP-30
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

 $H(s) = \frac{C_3C_5R_1R_6s}{C_2C_3C_5R_1R_5s^2 + C_2 + C_3 + C_4 - C_5 + s\left(C_2C_3R_1 + C_2C_5R_5 + C_3C_5R_5 + C_4C_5R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}\sqrt{C_2+C_3+C_4-C_5}}{C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}$ wo: $\frac{\sqrt{C_2}+C_3+C_4-C_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}{C_2C_3C_5R_1R_5}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}$ Qz: None

Wz: None

3.31 BP-31
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_4 R_6 s}{C_2 C_3 R_1 R_4 R_5 s^2 - R_4 + R_5 + s \left(C_2 R_4 R_5 + C_3 R_4 R_5 + C_4 R_4 R_5 \right)}$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$ K. I.D. 0

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3R_1R_6}{C_2R_5+C_3R_5+C_4R_5}$ Qz: None

Wz: None

3.32 BP-32 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_4s}{C_2C_3C_6R_1R_4s^2 + C_6 + s\left(C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_4}+C_3\sqrt{R_4}+C_4\sqrt{R_4}-C_5\sqrt{R_4}}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_2\sqrt{R_4}+C_3\sqrt{R_4}+C_4\sqrt{R_4}-C_5\sqrt{R_4}}{C_2C_3R_1\sqrt{R_4}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ Qz: None

Wz: None

3.33 BP-33 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_4 R_6 s}{-R_4 + R_5 + s^2 \left(C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 \right) + s \left(C_2 R_4 R_5 - C_3 R_3 R_4 + C_3 R_3 R_5 + C_3 R_4 R_5 \right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-R_4+R_5}}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$ bandwidth: $\frac{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$

K-HP: 0

K-BP: $\frac{C_3R_1R_4R_6}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}$

Qz: None Wz: None

3.34 BP-34 $Z(s) = \left(R_1, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, R_4, \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$

 $H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_3R_4 - C_3C_5C_6R_3R_4\right) + s\left(C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 - C_5C_6R_4\right)}$

Parameters:

 $Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_2R_4+C_3R_3+C_3R_4-C_5R_4}$ WO: $\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4-C_3C_5R_3R_4}}$

 $\text{bandwidth: } \frac{(C_2R_4+C_3R_3+C_3R_4-C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3}R_4-C_3C_5R_3R_4}}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}$ K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_4}{C_2C_6R_4+C_3C_6R_3+C_3C_6R_4-C_5C_6R_4}$ Qz: None

Wz: None

3.35 BP-35 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_6 s}{s^2 \left(C_2 C_3 R_1 R_5 + C_2 C_3 R_3 R_5 + C_3 C_4 R_3 R_5\right) + s \left(C_2 R_5 - C_3 R_3 + C_3 R_5 + C_4 R_5\right) - 1}$$

Parameters:

K-HP: 0

K-BP: $\frac{C_3R_1R_6}{C_2R_5-C_3R_3+C_3R_5+C_4R_5}$

Qz: None Wz: None

3.36 BP-36 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_6R_1R_6 + C_2C_3C_6R_3R_6 + C_3C_4C_6R_3R_6 - C_3C_5C_6R_3R_6\right) + s\left(C_2C_3R_1 + C_2C_3R_3 + C_2C_6R_6 + C_3C_4R_3 - C_3C_5R_3 + C_3C_6R_6 + C_4C_6R_6 - C_5C_6R_6\right)}$$

Parameters:

 $Q: \frac{C_2\sqrt{C_3}\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{C_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{C_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_4}{C_4R_3+C_4R_3-C_5R_3} + \frac{C_4}{C_4R_3+C_$

Wo: $\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_2 C_3 C_6 R_1 R_6 + C_2 C_3 C_6 R_3 R_6 + C_3 C_4 C_6 R_3 R_6 - C_3 C_5 C_6 R_3 R_6}}$

 $\frac{\text{bandwidth: } \frac{\text{v-2-3-0-1}}{C_2\sqrt{C_3}\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{C_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{C_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_2\sqrt{C_3}\sqrt{C_6}R_3\sqrt{R_6}\sqrt{\frac{C_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{C_2\sqrt{C_3}\sqrt{C_6}R_3\sqrt{C_6$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1 + C_2C_3R_3 + C_2C_6R_6 + C_3C_4R_3 - C_3C_5R_3 + C_3C_6R_6 + C_4C_6R_6 - C_5C_6R_6}$

Wz: None

3.37 BP-37 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_5R_1R_5 + C_2C_3C_5R_3R_5 + C_3C_4C_5R_3R_5\right) + s\left(C_2C_3R_1 + C_2C_3R_3 + C_2C_5R_5 + C_3C_4R_3 - C_3C_5R_3 + C_3C_5R_5 + C_4C_5R_5\right)}$$

Parameters:

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1+C_2C_3R_3+C_2C_5R_5+C_3C_4R_3-C_3C_5R_3+C_3C_5R_5+C_4C_5R_5}$

Qz: None Wz: None

3.38 BP-38
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_4 R_6 s}{-R_4 + R_5 + s^2 \left(C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_3 C_4 R_3 R_4 R_5\right) + s \left(C_2 R_4 R_5 - C_3 R_3 R_4 + C_3 R_3 R_5 + C_3 R_4 R_5 + C_4 R_4 R_5\right)}$$

K-HP: 0

K-BP: $\frac{C_3R_1R_4R_6}{C_2R_4R_5 - C_3R_3R_4 + C_3R_3R_5 + C_3R_4R_5 + C_4R_4R_5}$

Qz: None Wz: None

3.39 BP-39 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_3R_4 + C_3C_4C_6R_3R_4 - C_3C_5C_6R_3R_4\right) + s\left(C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$$

Parameters:

 $Q: \underbrace{\frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}$

Wo: $\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}$

 $\frac{(C_2R_4 + C_3R_3 + C_3R_4 + C_4R_4 - C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_3C_5R_3R_4}}{C_2\sqrt{C_3R_1}\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} + C_3C_3R_3\sqrt{\frac{1}{C_3R_3 + C_4R_3 - C_5R_3}} - C_3C_3R_3\sqrt{\frac{1}{C_3R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{\frac{1}{C_3R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{\frac{1}{C_3R_3 + C_4R_3 - C_5R_3}} - C_3C_3R_3\sqrt{\frac{1}{C_3R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{\frac{1}{C_3R_3 + C_4R_3 - C_5R_3}} + C_3C_3R_3\sqrt{\frac{1}{C_3R_3 + C_3R_3 - C_5R_3}} + C_3C_3R_3\sqrt{\frac{1}{C_3R_$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_4}{C_2C_6R_4+C_3C_6R_3+C_3C_6R_4+C_4C_6R_4-C_5C_6R_4}$ Qz: None

Wz: None

3.40 BP-40 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_2 C_6 R_1 R_2 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 - C_5 C_6 R_2 R_3 R_4 R_6\right) + s \left(C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_3 R_6 + C_6 R_2 R_4 R_6 + C_6 R_2 R_4 R_6\right)}$$

Parameters:

 $\frac{C_2\sqrt{C_6}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_2\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_1}R_4 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_1}R_4 + R_2R_4 + R_3$

wo: $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_2C_6R_1R_2R_4R_6 + C_2C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6}}$

 $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_5R_2R_3R_4 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6)\sqrt{\frac{1}{C_2C_6R_1R_2R_4R_6 + C_2C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6}}$

K-LP: 0

K-BP: $\frac{C_5 R_1 R_2 R_4 R_6}{C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 - C_5 R_2 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_3 R_6 + C_6 R_2 R_4 R_6 + C_6 R_3 R_4 R_6}$

Qz: None Wz: None

3.41 BP-41 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_2 C_5 R_1 R_2 R_4 R_5 + C_2 C_5 R_2 R_3 R_4 R_5\right) + s \left(C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5\right)}$$

```
wo: \frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4+C_5}R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}}{\sqrt{C_2\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_5R_1R_2R_4R_5+C_5R_2R_3R_4+C_5R_3R_4R_5}}}} bandwidth: \frac{C_2R_1R_2R_4+C_2R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_3R_4R_5+C_5R_2R_3R_4R_5}{\sqrt{C_2\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_5R_1R_2R_4R_5+C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}}} K-BP: \frac{C_5R_1R_2R_4R_6}{C_2R_1R_2R_4+C_2R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}}{Q_2: None
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3.42 BP-42 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^2 \left(C_2 C_6 R_1 R_2 R_6 + C_2 C_6 R_2 R_3 R_6 + C_4 C_6 R_2 R_3 R_6 - C_5 C_6 R_2 R_3 R_6 \right) + s \left(C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3 + C_6 R_1 R_6 + C_6 R_2 R_6 + C_6 R_3 R_6 \right)}{R_1 + R_2 + R_3 + s^2 \left(C_2 C_6 R_1 R_2 R_6 + C_2 C_6 R_2 R_3 R_6 + C_4 C_6 R_2 R_3 R_6 - C_5 C_6 R_2 R_3 R_6 \right) + s \left(C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3 + C_6 R_1 R_6 + C_6 R_2 R_6 + C_6 R_3 R_6 \right)}$

Parameters:

Wz: None

 $Q: \frac{C_2\sqrt{C_6}R_1\sqrt{R_2}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ - C_2R_1R_2+C_2R_2R_3+C_4R_2R_3-C_5R_2R_3+C_6R_1R_6+C_6R_2R_6+C_6R_3R_6} \\ we: \sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2C_6R_1R_2R_6+C_2C_6R_2R_3R_6+C_4C_6R_2R_3R_6-C_5C_6R_2R_3R_6}} \\ - \frac{C_2R_1R_2+C_2R_2R_3+C_4R_3-C_5R_3}{\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_5\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_$

3.43 BP-43 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^2 \left(C_2 C_5 R_1 R_2 R_5 + C_2 C_5 R_2 R_3 R_5 + C_4 C_5 R_2 R_3 R_5\right) + s \left(C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_2 R_3 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_2 R_5 + C_5 R_3 R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{R_1+R_2+R_3}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_2C_5R_1R_2R_5+C_2C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ bandwidth: $\frac{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_5R_1R_2R_5+C_2C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ K-LP: 0 K-HP: 0 K-BP: $\frac{C_5R_1R_2+C_2R_2R_3+C_4R_2R_5}{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ Qz: None

3.44 BP-44 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_2 C_6 R_1 R_2 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 + C_4 C_6 R_2 R_3 R_4 R_6 - C_5 C_6 R_2 R_3 R_4 R_6\right) + s \left(C_2 R_1 R_2 R_4 + C_4 R_2 R_3 R_4 + C_4 R_2 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_3 R_6 + C_6 R_2 R_4 R_6 + C_6 R_2 R_4 R_6\right)}$

Parameters:

Wz: None

 $Q: \frac{C_2\sqrt{C_6}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2}R_3 + R_2R_4 + R_3R_4\sqrt{\frac{1}{C_2}R_1 + C_2}R_3 + C_4\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2}R_3 + C_4\sqrt{C_6}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2}R_4 + R_3R_4\sqrt{\frac{1}{C_2}R_1 + C_2}R_3R_4 + C_4R_2}R_4 + C_6R_2R_3R_4 + C_6R_2R_3R_4$

K-HP: 0

 $\text{K-BP: } \frac{C_5 R_1 R_2 R_4 R_6}{C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_4 R_2 R_3 R_4 - C_5 R_2 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_3 R_6 + C_6 R_2 R_4 R_6 + C_6 R_3 R_4 R_6}$

Qz: None Wz: None

3.45 BP-45
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_2 C_5 R_1 R_2 R_4 R_5 + C_2 C_5 R_2 R_3 R_4 R_5 + C_4 C_5 R_2 R_3 R_4 R_5\right) + s \left(C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_2 R_4 R_5\right)}$$

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_2R_1R_2R_4+C_2R_2R_3R_4+C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4+C_4C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_2R_4R_5+C_5R_2R_3R_4R_5+C_5R_2R_3R_4R_5+$

K-HP: 0

 $\begin{array}{l} \text{K-BP:} \ \frac{C_5 R_1 R_2 R_4 R_6}{C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_4 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5} \end{array}$

Qz: None Wz: None

3.46 BP-46 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_3R_1R_2R_4R_6s}{C_2C_3R_1R_2R_4R_5s^2 - R_2R_4 + R_2R_5 + R_4R_5 + s\left(C_2R_2R_4R_5 + C_3R_1R_4R_5 + C_3R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5}$ Qz: None Wz: None

3.47 BP-47 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_2C_3C_6R_1R_2R_4s^2 + C_6R_2 + C_6R_4 + s\left(C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2+R_4}}{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}{C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}$

Qz: None Wz: None

3.48 BP-48 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_6 s}{C_2 C_3 R_1 R_2 R_5 s^2 - R_2 + R_5 + s \left(C_2 R_2 R_5 + C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5 \right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2+R_5}}{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_5}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ Qz: None

Wz: None

3.49 BP-49
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_5R_1R_2s}{C_2C_3C_6R_1R_2s^2 + C_6 + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}{C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}$ bandwidth: $\frac{C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}{C_2C_3R_1R_2}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ Qz: None

Wz: None

3.50 BP-50
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$$

 $H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{C_2 C_3 R_1 R_2 R_4 R_5 s^2 - R_2 R_4 + R_2 R_5 + R_4 R_5 + s \left(C_2 R_2 R_4 R_5 + C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 + C_4 R_2 R_4 R_5 \right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4 + R_2}{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} + C_4R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} + C_4R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ Qz: None Wz: None

3.51 BP-51 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_2C_3C_6R_1R_2R_4s^2 + C_6R_2 + C_6R_4 + s\left(C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2+R_4}}{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}+C_4R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}+C_4R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}{C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: 0

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ Qz: None Wz: None

3.52 BP-52
$$Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_3R_4R_5\right) + s\left(C_2R_2R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5\right)}$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5}}$ V. I.B. O

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3R_1R_2R_4R_6}{C_2R_2R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5}$

Qz: None Wz: None

3.53 BP-53 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_2R_4 + C_3C_6R_2R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_2R_4 + C_3C_6R_2R_4\right)}$$

Parameters:

 $Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_2R_2R_4+C_3R_1R_4+C_3R_2R_4+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4}$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 C_3 R_1 R_2 R_4 + C_2 C_3 R_2 R_3 R_4 - C_3 C_5 R_2 R_3 R_4}}$

 $\frac{\sqrt{R_2 + R_4}(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 - C_5R_2R_4)\sqrt{\frac{1}{C_2C_3R_1R_2R_4 + C_2C_3R_2R_3R_4 - C_3C_5R_2R_3R_4}}{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_2 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2 + R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_2C_6R_2R_4+C_3C_6R_1R_4+C_3C_6R_2R_3+C_3C_6R_2R_4+C_3C_6R_3R_4-C_5C_6R_2R_4}$ Qz: None

Wz: None

3.54 BP-54 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_6 s}{-R_2 + R_5 + s^2 \left(C_2 C_3 R_1 R_2 R_5 + C_2 C_3 R_2 R_3 R_5 + C_3 C_4 R_2 R_3 R_5\right) + s \left(C_2 R_2 R_5 + C_3 R_1 R_5 - C_3 R_2 R_3 + C_3 R_2 R_5 + C_3 R_3 R_5 + C_4 R_2 R_5\right)}$$

Parameters:

Wo: $\frac{\sqrt{-R_2 + R_5}}{\sqrt{C_2 C_3 R_1 R_2 R_5 + C_2 C_3 R_2 R_3 R_5 + C_3 C_4 R_2 R_3 R_5}}$ bandwidth: $\frac{C_2 R_2 R_5 + C_3 R_1 R_5 - C_3 R_2 R_3 + C_3 R_2 R_5 + C_3 R_3 R_5 + C_4 R_2 R_5}{\sqrt{C_3} \sqrt{R_2} \sqrt{R_5} \sqrt{C_2 R_1 + C_2 R_3 + C_4 R_3} \sqrt{C_2 C_3 R_1 R_2 R_5 + C_2 C_3 R_2 R_3 R_5 + C_3}}$

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5}$

Qz: None Wz: None

3.55 BP-55 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^2\left(C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3\right) + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2\right)}$$

$$\text{Q:} \ \frac{ {}^{C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{2}\sqrt{C_{3}}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{3}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{2}\sqrt{C_{3}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{4}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{4}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} + C_{4}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{4$$

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 \text{wo: } \sqrt{\frac{1}{C_2C_3R_1R_2 + C_2C_3R_2R_3 + C_3C_4R_2R_3 - C_3C_5R_2R_3} } \\ \text{bandwidth: } \frac{(C_2R_2 + C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 - C_5R_2)\sqrt{\frac{1}{C_2C_3R_1R_2 + C_2C_3R_2R_3 + C_3C_4R_2R_3 - C_3C_5R_2R_3}}}{\frac{1}{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + \sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} \\ \text{K-LP: 0} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_3C_5R_1R_2}{C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2}}{C_2C_5R_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2}} \\ \text{Qz: None}
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3.56 BP-56 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(C_2 C_3 R_1 R_2 R_4 R_5 + C_2 C_3 R_2 R_3 R_4 R_5 + C_3 C_4 R_2 R_3 R_4 R_5\right) + s \left(C_2 R_2 R_4 R_5 + C_3 R_1 R_4 R_5 - C_3 R_2 R_3 R_4 + C_3 R_2 R_3 R_5 + C_3 R_2 R_4 R_5 + C_4 R_2 R_4 R_5\right)}$

Parameters:

Wz: None

3.57 BP-57 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_2R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_4 + C_3$

Parameters:

 $\begin{array}{c} \text{Q:} \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ \text{wo:} \sqrt{R_2+R_4}\sqrt{\frac{1}{C_2C_3R_1R_2R_4+C_2C_3R_2R_3R_4+C_3C_5R_2R_3R_4}} \\ \text{bandwidth:} \frac{\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2C_3R_1R_2R_4+C_2C_3R_2R_3R_4+C_3C_5R_2R_3R_4}} \\ \sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4+C_4R_2R_4-C_5R_2R_4})\sqrt{\frac{1}{C_2C_3R_1R_2R_4+C_2C_3R_2R_3R_4+C_3C_5R_2R_3R_4}} \\ \text{bandwidth:} \frac{\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_2C_3R_1R_2R_4+C_3R_2R_3+C_3C_5R_2R_3R_4}} {C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}} + \sqrt{C_3C_3R_1R_2R_4+C_3C_5R_2R_3}} \\ \text{K-IP:} 0 \\ \text{K-IP:} 0 \\ \text{K-BP:} \frac{C_3C_5R_1R_2R_4}{C_2C_6R_2R_4+C_3C_6R_2R_4+C_3C_6R_3R_4+C_4C_6R_2R_4-C_5C_6R_2R_4}} {C_2:} \text{None} \\ \text{Wz:} \text{None} \\ \text{Wz:} \text{None} \\ \text{Wz:} \text{None} \\ \end{array}$

3.58 BP-58 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_5 R_2 R_4 R_6 s}{-C_1 C_5 R_2 R_3 R_4 s^2 + R_4 + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4\right)}$

Parameters:

 $\begin{array}{l} \text{Q:} -\frac{i\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}R_4}{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4} \\ \text{wo:} \ \frac{i}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}} \\ \text{bandwidth:} \ -\frac{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}{\sqrt{C_1}C_5R_2R_3R_4} \\ \text{K-LP:} \ 0 \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ \frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4} \end{array}$

 $C_1R_2R_3$ Qz: None
Wz: None

3.59 BP-59
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^2 \left(-C_1 C_5 R_2 R_3 R_4 + C_1 C_5 R_2 R_3 R_5 + C_1 C_5 R_2 R_4 R_5 + C_1 C_5 R_3 R_4 R_5\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_5 R_4 R_5\right)}$$

$$Q: \frac{-\sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}\sqrt{R_{4}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R$$

K-HP: 0

K-BP: $\frac{C_5 R_2 R_4 R_6}{C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_5 R_4 R_5}$

Qz: None Wz: None

3.60 BP-60
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_2 R_6 s}{s^2 \left(C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3\right) + s \left(C_1 R_2 + C_1 R_3\right) + 1}$$

Parameters:

3.61 BP-61
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^2 \left(C_1 C_4 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4 \right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 \right)}$

$$\begin{array}{l} Q\colon \frac{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}\\ \text{wo: } \sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}\\ \text{bandwidth: } \frac{\left(\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4\right)\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

3.62 BP-62
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6\right) + s\left(C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_3C_6R_4R_6\right)}$$

$$Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}}{C_{1}C_{3}R_{2}R_{4}-C_{1}C_{5}R_{2}R_{4}+C_{1}C_{6}R_{2}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{3}C_{6}R_{4}R_{6}}$$
wo: $\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{3}C_{6}R_{2}R_{4}+C_{1}C_{5}C_{6}R_{2}R_{4}R_{6}}}$
bandwidth:
$$\frac{\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}(C_{1}C_{3}R_{2}R_{4}-C_{1}C_{5}R_{2}R_{4}+C_{1}C_{6}R_{2}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{3}C_{6}R_{4}R_{6})\sqrt{\frac{1}{C_{1}C_{3}C_{6}R_{2}R_{4}R_{6}-C_{1}C_{5}C_{6}R_{2}R_{4}R_{6}}}}{\sqrt{C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}}}}}$$

$$K-LP: 0$$

$$K-HP: 0$$

$$K-BP: \frac{C_{3}C_{5}R_{2}R_{4}R_{6}}{C_{1}C_{3}R_{2}R_{4}+C_{1}C_{6}R_{2}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{3}C_{6}R_{4}R_{6}}}{C_{1}C_{3}C_{3}R_{2}R_{4}+C_{1}C_{6}R_{2}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{3}C_{6}R_{4}R_{6}}}}$$

$$Qz: None$$

$$Wz: None$$

3.63 BP-63
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1C_3C_5R_2R_4R_5s^2 + C_1R_2 + C_1R_4 + C_3R_4 + s\left(C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_3C_5R_4R_5\right)}$$

Parameters:

 $\begin{array}{l} \text{Q: } \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}\\ \text{wo: } \frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}\\ \text{bandwidth: } \frac{C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{C_1C_3C_5R_2R_4R_5}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$

3.64 BP-64
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_3C_6R_2R_6 + C_1C_4C_6R_2R_6 - C_1C_5C_6R_2R_6\right) + s\left(C_1C_3R_2 + C_1C_4R_2 - C_1C_5R_2 + C_1C_6R_6 + C_3C_6R_6\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} }{C_{1}C_{3}R_{2}+C_{1}C_{4}R_{2}-C_{1}C_{5}R_{2}+C_{1}C_{6}R_{6}+C_{3}C_{6}R_{6}}}$$

$$wo: \sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{3}C_{6}R_{2}R_{6}+C_{1}C_{4}C_{6}R_{2}R_{6}}} - C_{1}C_{5}C_{6}R_{2}R_{6}}$$

$$bandwidth: \frac{\sqrt{C_{1}+C_{3}}(C_{1}C_{3}R_{2}+C_{1}C_{4}R_{2}-C_{1}C_{5}R_{2}+C_{1}C_{6}R_{6}+C_{3}C_{6}R_{6}})\sqrt{\frac{1}{C_{1}C_{3}C_{6}R_{2}R_{6}+C_{1}C_{4}C_{6}R_{2}R_{6}}}}{\sqrt{C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}} K-LP: 0$$

$$K-HP: 0$$

$$K-BP: \frac{C_{3}C_{5}R_{2}R_{6}}{C_{1}C_{3}R_{2}+C_{1}C_{4}R_{2}-C_{1}C_{5}R_{2}+C_{1}C_{6}R_{6}+C_{3}C_{6}R_{6}}}{C_{2}: None}}$$

$$Wz: None$$

3.65 BP-65
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_3C_5R_2R_5 + C_1C_4C_5R_2R_5\right) + s\left(C_1C_3R_2 + C_1C_4R_2 - C_1C_5R_2 + C_1C_5R_5 + C_3C_5R_5\right)}$$

Q:
$$\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_1+C_3}\sqrt{C_3+C_4}}{C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}$$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_2R_6}{C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}$ Qz: None

Wz: None

3.66 BP-66
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_6R_2R_4R_6 + C_1C_4C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6\right) + s\left(C_1C_3R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_3C_6R_4R_6\right)}$$

Parameters:

$$Q: \frac{\sqrt{C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}{C_{1}C_{3}R_{2}R_{4}+C_{1}C_{5}}R_{2}R_{4}+C_{1}C_{6}R_{2}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{3}C_{6}R_{4}R_{6}}$$

 $\text{wo: } \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_3C_6R_2R_4R_6 + C_1C_4C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6}} \\ \text{bandwidth: } \frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{(C_1C_3R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_3C_6R_4R_6)} \sqrt{\frac{1}{C_1C_3C_6R_2R_4R_6 + C_1C_4C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6}} \\ \frac{\sqrt{C_1C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}} + \sqrt{C_1C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}} - \sqrt{C_1C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}}}} \\ \frac{\sqrt{C_1C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{C_1C_4R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_3C_6R_4R_6})\sqrt{\frac{1}{C_1C_3C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6}}{\sqrt{C_1C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}}}}}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_6R_2R_6+C_1C_6R_4R_6+C_3C_6R_4R_6}$ Qz: None

Wz: None

3.67 BP-67
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5\right) + s\left(C_1C_3R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_3C_5R_4R_5\right)}$$

Parameters:

wo: $\frac{1}{\sqrt{C_1C_3C_5R_2R_4R_5}+C_1C_4C_5R_2R_4R_5}$ bandwidth: $\frac{C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3}+C_4\sqrt{C_1C_3C_5R_2R_4R_5}+C_1C_4C_5R_2R_4R_5}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}$ Qz: None

Wz: None

3.68 BP-68
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{-C_1C_3C_5R_2R_3R_4s^2 + C_1R_2 + C_1R_4 + C_3R_4 + s\left(C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4\right)}$$

Parameters:

Q:
$$-\frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_3R_2R_3+\sqrt{C_1C_3R_2}}R_4+\sqrt{C_1C_3R_3}R_4-\sqrt{C_1C_5R_2}R_4}$$

 $i\sqrt{-C_1}R_2 - C_1R_4 - C_3R_4 \left(\sqrt{C_1}C_3R_2R_3 + \sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_3R_4 - \sqrt{C_1}C_5R_2R_4\right)$

 $\sqrt{C_1}C_3C_5R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}$ K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4}$

Qz: None Wz: None

3.69 BP-69
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(-C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_1C_5R_4R_5\right)}$$

 $Q: \frac{-\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{$

Wz: None

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}$

3.70 BP-70
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_2 R_6 s}{C_1 + C_3 + s^2 \left(C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3\right) + s \left(C_1 C_3 R_2 + C_1 C_3 R_3 + C_1 C_4 R_2 - C_1 C_5 R_2\right)}$$

Parameters:

3.71 BP-71 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4\right) + s\left(C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4\right)}$$

Parameters:

 $Q\colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4R_2R_4-\sqrt{C_1}C_5R_2R_4}}\\ \text{wo: } \sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4-C_1C_3C_5R_2R_3R_4}}\\ \text{bandwidth: } \frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}\left(\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4R_2R_4-\sqrt{C_1}C_5R_2R_4\right)\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4-C_1C_3C_5R_2R_3R_4}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_4+C_1C_3R_3R_4+C_1C_4R_2R_4-C_1C_5R_2R_4}}\\ \text{Qz: None}\\ \text{Wz: None}$

3.72 BP-72
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 - C_1C_5C_6R_4R_6 + C_2C_3C_6R_4R_6\right) + s\left(C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4\right)}$$

$$Q: \frac{C_1^{\frac{3}{2}}C_2\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + \sqrt{C_1}C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + \sqrt{C_1}C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_1C_5+C_1C_5+C_1C_5}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+$$

$$\frac{\sqrt{C_1}(C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4)\sqrt{\frac{1}{C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_2C_3C_6R_4R_6}}{C_1^{\frac{3}{2}}C_2\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}$$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4}$

Wz: None

3.73 BP-73
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_2C_3C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}$$

Parameters:

Q:
$$\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}}{C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}$$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}$ Qz: None

Wz: None

3.74 BP-74
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_4C_6R_4R_6 - C_1C_5C_6R_4R_6 + C_2C_3C_6R_4R_6\right) + s\left(C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4\right)}$$

Parameters:

$$Q: \frac{C_1^{\frac{3}{2}}C_2\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_4\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_1C_5+C_1C_5}} + C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_1C_5}} + C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_$$

wo: $\sqrt{C_1}\sqrt{\frac{1}{C_1C_2C_6R_4R_6+C_1C_3C_6R_4R_6+C_1C_4C_6R_4R_6-C_1C_5C_6R_4R_6+C_2C_3C_6R_4R_6}}$

 $\frac{\sqrt{C_1}(C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4)\sqrt{\frac{1}{C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_2C_3C_6R_4R_6}}{\frac{3}{C_1^2}C_2\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}} + C_1^{\frac{3}{2}}C_4\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}}} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_1C_6R_6+C_2C_3R_4}$

Qz: None Wz: None

3.75 BP-75
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_2C_3C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}$$

Q: $\frac{\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}+C_{2}C_{3}}}{C_{1}C_{2}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{5}R_{4}+C_{1}C_{5}R_{5}+C_{2}C_{3}R_{4}}}$ wo: $\frac{\sqrt{C_{1}}}{\sqrt{C_{1}C_{2}C_{5}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{4}R_{5}+C_{1}C_{4}C_{5}R_{4}R_{5}+C_{2}C_{3}C_{5}R_{4}R_{5}}}$ bandwidth: $\frac{C_{1}C_{2}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{4}+C_{1}C_{5}R_{5}+C_{2}C_{3}R_{4}}{\sqrt{C_{5}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}+C_{2}C_{3}}\sqrt{C_{1}C_{2}C_{5}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{4}R_{5}+C_{1}C_{4}C_{4}}}$ W. I.D. 0

K-HP: 0

K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}$ Qz: None

Wz: None

3.76 BP-76 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_3R_3R_4 - C_1C_3C_5R_3R_4\right) + s\left(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4\right)}$

Parameters:

 $Q \colon \frac{C_1 C_2 \sqrt{C_3} \sqrt{R_3} \sqrt{R_4} \sqrt{\frac{1}{C_2 - C_5}} - C_1 \sqrt{C_3} C_5 \sqrt{R_3} \sqrt{R_4} \sqrt{\frac{1}{C_2 - C_5}}}{C_1 C_2 R_4 + C_1 C_3 R_3 + C_1 C_5 R_4 + C_2 C_3 R_4}$

 $\frac{(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_3R_4} \frac{1}{C_3C_5R_3R_4}}}{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2-C_5}} - C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2-C_5}}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_3+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4}$

Qz: None Wz: None

3.77 BP-77 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{1}{C_1 + s^2 \left(C_1 C_2 C_3 R_3 R_4 + C_1 C_3 C_4 R_3 R_4 - C_1 C_3 C_5 R_3 R_4 \right) + s \left(C_1 C_2 R_4 + C_1 C_3 R_3 + C_1 C_3 R_4 + C_1 C_4 R_4 - C_1 C_5 R_4 + C_2 C_3 R_4 \right)}$

Parameters:

 $Q: \frac{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} + C_1\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} - C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4}$

wo: $\sqrt{\frac{1}{C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}$ bandwidth: $\frac{(C_1C_2R_4+C_1C_3R_3+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}}{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}+C_1\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}-C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_3+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_2C_3R_4}$ Qz: None

Wz: None

3.78 BP-78 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^2 \left(C_1 C_2 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_2 R_2 R_4\right)}$

Parameters:

 $\frac{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}}}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}$

WO: $\sqrt{\frac{1}{C_1C_2R_2R_3-C_1C_5R_2R_3}}$

 $\frac{(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_2R_3} - C_1C_5R_2R_3}}{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}}$

K-LP: 0 K-HP: 0 K-BP: $\frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}$ Qz: None

Wz: None

3.79 BP-79
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_2 R_6 s}{s^2 \left(C_1 C_2 R_2 R_3 + C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3\right) + s \left(C_1 R_2 + C_1 R_3 + C_2 R_2\right) + 1}$$

Parameters:

$$\begin{array}{c} \mathbf{Q} \colon \frac{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1R_2+C_1R_3+C_2R_2} \\ \mathbf{wo} \colon \sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}} \end{array}$$

 $(C_1 R_2 + C_1 R_3 + C_2 R_2) \sqrt{\frac{1}{C_1 C_2 R_2 R_3 + C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3}}$ bandwidth: $\frac{(C_1R_2+C_1R_3+C_2R_2)\sqrt{C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}{\sqrt{C_1C_2\sqrt{R_2}\sqrt{R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}}-\sqrt{C_1C_5\sqrt{R_2}\sqrt{R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_5R_2R_6}{C_1R_2+C_1R_3+C_2R_2}$

Qz: None Wz: None

3.80 BP-80
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^2 \left(C_1 C_2 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_2 R_2 R_4\right)}$$

Parameters:

$$Q: \frac{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}$$

bandwidth: $\frac{(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}}{\sqrt{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}$ Qz: None

Wz: None

3.81 BP-81
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 + C_2C_3C_6R_2R_4R_6\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}$$

Parameters:

 $Q: \frac{C_1C_2\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6 + C_2C_3C_6R_2R_4R_6}}$

 $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} (C_1C_2R_2R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_4R_6 + C_2C_3R_2R_4 + C_3C_6R_4R_6) \sqrt{\frac{1}{C_1C_2C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 + C_2C_3C_6R_2R_4R_6}}$ $\frac{\sqrt{C_1C_2C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_1R_4$

K-LP: 0 K-HP: 0

 $\text{K-BP: } \frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_2C_3R_2R_4 + C_3C_6R_4R_6}$

Qz: None Wz: None

3.82 BP-82
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_2C_3R_2R_4 + C_3C_5R_4R_5\right)}$$

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_2R_2R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3R_2R_4+C_3C_5R_4R_5}$ wo: $\frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_2C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_2C_3C_5R_2R_4R_5}}$ bandwidth: $\frac{C_1C_2R_2R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3R_2R_4+C_3C_5R_4R_5}{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_2C_3C_5R_2R_4R_5}}$

K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_2C_3R_2R_4 + C_3C_5R_4R_5}$

Qz: None Wz: None

3.83 BP-83 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_2C_6R_2R_6 + C_1C_3C_6R_2R_6 + C_1C_4C_6R_2R_6 - C_1C_5C_6R_2R_6 + C_2C_3C_6R_2R_6\right) + s\left(C_1C_2R_2 + C_1C_3R_2 + C_1C_4R_2 - C_1C_5R_2 + C_1C_6R_6 + C_2C_3R_2 + C_3C_6R_6\right)}$$

Parameters:

 $Q: \frac{{{C_1}{C_2}\sqrt {{C_6}\sqrt {{R_2}}\sqrt {{R_6}\sqrt {{C_1} + {C_3}}\sqrt {\frac{1}{{{C_1}{C_2} + {C_1}{C_3} + {C_1}{C_4} - {C_1}{C_5} + {C_2}{C_3}}}}}{{{C_1}{C_2}{R_2} + {C_1}{C_3}{R_2} + {$

wo: $\sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_2 C_6 R_2 R_6 + C_1 C_3 C_6 R_2 R_6 + C_1 C_4 C_6 R_2 R_6 - C_1 C_5 C_6 R_2 R_6 + C_2 C_3 C_6 R_2 R_6}$

 $\sqrt{C_1 + C_3} (C_1 C_2 R_2 + C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_1 C_6 R_6 + C_2 C_3 R_2 + C_3 C_6 R_6) \sqrt{\frac{1}{C_1 C_2 C_6 R_2 R_6 + C_1 C_3 C_6 R_2 R_6 + C_1 C_4 C_6 R_2 R_6 - C_1 C_5 C_6 R_2 R_6 + C_2 C_3 C_6 R_2 R_6 + C_1 C_3 C_6 R_2 R_6 + C_1 C_5 C_6 R_2 R_6 + C_2 C_3 C_6 R_2 R_6 + C_1 C_3 C_6 R_2 R_6 + C_1 C_5 C_6 R_2 R_6 + C_2 C_3 C_6 R_2 R_6 + C_1 C_5 C_6 R_5 R_6 + C_1 C_5 R_5 R_6 + C_1 C_5 R_6 + C_1 C_5 R_6 + C_1 C_5 R_6 + C_1 C_5 R_6 R_6 + C_1 C_$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_2R_6}{C_1C_2R_2+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_6R_6+C_2C_3R_2+C_3C_6R_6}$ Qz: None

Wz: None

3.84 BP-84 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_2 + s^2\left(C_1C_2C_5R_2R_5 + C_1C_2C_5R_2R_5 + C_1C_4C_5R_2R_5 + C_2C_2C_5R_2R_5\right) + s\left(C_1C_2R_2 + C_1C_2R_2 + C_1C_4R_2 - C_1C_5R_2 + C_1C_5R_5 + C_2C_2R_2 + C_2C_5R_5R_5\right)}$$

Parameters:

wo: $\frac{\sqrt{C_1 + C_3}}{\sqrt{C_1 C_2 C_5 R_2 R_5 + C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_2 R_5 + C_2 C_3 C_5 R_2 R_5}}}{\frac{C_1 C_2 R_2 + C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_1 C_5 R_5 + C_2 C_3 R_2 + C_3 C_5 R_5}{\sqrt{C_5} \sqrt{R_2} \sqrt{R_5} \sqrt{C_1 C_2 + C_1 C_3 + C_1 C_4 + C_2 C_3} \sqrt{C_1 C_2 C_5 R_2 R_5 + C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_2}}}$ bandwidth:

K-BP: $\frac{C_3C_5R_2R_6}{C_1C_2R_2+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_2C_3R_2+C_3C_5R_5}$

Qz: None Wz: None

3.85 BP-85 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6 + C_2C_3C_6R_2R_4R_6\right) + s\left(C_1C_2R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}$$

Parameters:

 $: \frac{c_{1}c_{2}\sqrt{c_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{c_{1}R_{2}} + c_{1}R_{4} + c_{3}R_{4}}\sqrt{\frac{1}{c_{1}C_{2} + c_{1}C_{3} + c_{1}C_{4} - c_{1}C_{5} + c_{2}C_{3}}}{c_{1}C_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}} + c_{1}R_{4} + c_{3}R_{4}}\sqrt{\frac{1}{c_{1}C_{2} + c_{1}C_{3} + c_{1}C_{4} - c_{1}C_{5} + c_{2}C_{3}}}{c_{1}C_{2}R_{2}R_{4} + c_{1}C_{3}R_{2}R_{4} + c_{1}C_{5}R_{2}R_{4} + c_{1}C_{6}R_{2}R_{4} + c_{1}C_{6}R_{2}R_{6} +$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_4C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6 + C_2C_3C_6R_2R_4R_6}}$

 $\overline{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{4}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+$

K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4+C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_6R_2R_6+C_1C_6R_4R_6+C_2C_3R_2R_4+C_3C_6R_4R_6}$

Wz: None

3.86 BP-86 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $C_3C_5R_2R_4R_6s$ $H(s) = \frac{1}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_1C_5$

Parameters:

K-LP: 0

K-HP: 0

 $\text{K-BP: } \frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4 + C_1C_3R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_2C_3R_2R_4 + C_3C_5R_4R_5}$

Qz: None Wz: None

3.87 BP-87 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{1}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}$

Parameters:

 $\frac{\sqrt{C_1}C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2-C_5}}}{C_1C_2R_2R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4+C_2C_3R_2R_4}$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}$

 $\frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4)\sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}}{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 - C_5}}} - \sqrt{C_1}\sqrt{C_3}\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 - C_5}}}$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4+C_2C_3R_2R_4}$

Wz: None

3.88 BP-88 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{1}{C_1 + C_3 + s^2 \left(C_1 C_2 C_3 R_2 R_3 + C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3 \right) + s \left(C_1 C_2 R_2 + C_1 C_3 R_2 + C_1 C_3 R_3 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_2 C_3 R_2 \right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1C_2R_2+C_1C_3R_2+C_1C_3R_3+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}$

 $\sqrt{C_1 + C_3} (C_1 C_2 R_2 + C_1 C_3 R_2 + C_1 C_3 R_3 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_2 C_3 R_2) \sqrt{\frac{1}{C_1 C_2 C_3 R_2 R_3 + C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}}$ bandwidth: $\frac{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_2R_6}{C_1C_2R_2 + C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 - C_1C_5R_2 + C_2C_3R_2}$

Qz: None

Wz: None

3.89 BP-89
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_2R_3R_4 + C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}{c_1R_2 + c_1R_4 + c_2R_4 + c_2R_3R_4 + c_1R_3R_4 + c_1R_3R_$$

Parameters:

 $\frac{\sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{4}+C_{1}C_{3}R_{3}R_{4}+C_{1}C_{4}R_{2}R_{4}-C_{1}C_{5}R_{2}R_{4}+C_{2}C_{3}R_{2}R_{4}}{C_{1}C_{2}+C_{4}-C_{5}}$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4 + C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}$

 $\frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4)}{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} + \sqrt{C_1}\sqrt{C_1}\sqrt{C_1}C_2\sqrt{C_1}\sqrt{C_1}C_2\sqrt{C_1}\sqrt{C_1}C_2\sqrt{C_1}\sqrt{C_1}C_2\sqrt{C_1}C$

K-LP: 0 K-HP: 0

 $\begin{array}{lll} \text{K-BP:} & \frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_2C_3R_2R_4} \\ \end{array}$

Qz: None Wz: None

3.90 BP-90 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{-C_1 C_5 R_1 R_2 R_3 R_4 s^2 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 - C_5 R_2 R_3 R_4\right)}$$

Parameters:

Q: $-\frac{i\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4}}$ wo: $\frac{\sqrt{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$

bandwidth: $\frac{i\sqrt{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}(C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4)}{2(C_1R_1R_2R_3+C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4)}$

 $C_1C_5R_1R_2R_3R_4\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}$

K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4}$

Wz: None

3.91 BP-91 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $C_5R_1R_2R_4R_6s$ $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(-C_1C_5R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_5 + C_1C_5R_1R_2R_4R_5 + C_1C_5R_1R_3R_4R_5\right) + s\left(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_4R_5 + C_5R_3R_4R_5\right)}$

Parameters:

 $-\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{4}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{4}R_{5}+R_{3}R_{4}R_{5} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{4}R_{5}+R_{3}R_{4}R_{5} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{4}R_{5}+R_{3}R_{4}R_{5} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{4}R_{5} + \sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{4}R_{5} + R_{1}R_{4}R_{5} + R_{1}R_{4}$

wo: $\sqrt{\frac{-R_1R_4 - R_2R_3 - R_2R_4 - R_3R_4}{C_1C_5R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_5 - C_1C_5R_1R_2R_4R_5 - C_1C_5R_1R_3R_4R_5}}$

 $\frac{-R_{1}R_{4}-R_{2}R_{3}-R_{2}R_{4}-R_{3}R_{4}}{\sqrt{C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}-C_{1}C_{5}R_{1}R_{2}R_{3}+C_{1}C_{5}R_{1}R_{2}R_{4}+C_{5}R_{1}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}+C_{5}R_{2}R_{3}R_{5}+C_{5}R_{2}R_{4}R_{5}+C_{5}R_{3}R_{4}R_{5})}}{-\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{4}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{4}+R_{3}R_{4}}+\sqrt{C_{1}}\sqrt{C_{5}}\sqrt{R_{1}}R_{2}R_{4}+R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}R_{4}}+R_{3}R_{4}+R_{3}R_{4}+R_{3}R_{4}+R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}+R_{3}$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ Qz: None

Wz: None

3.92 BP-92
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^2 \left(C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3 \right) + s \left(C_1 R_1 R_2 + C_1 R_1 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3 \right)}$$

3.93 BP-93
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_1 C_4 R_1 R_2 R_3 R_4 - C_1 C_5 R_1 R_2 R_3 R_4\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_4 R_2 R_3 R_4 - C_5 R_2 R_3 R_4\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4}\\ \text{wo: } \sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_1C_4R_1R_2R_3R_4-C_1C_5R_1R_2R_3R_4}}\\ \text{bandwidth: } \frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}(C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_4R_1R_2R_3R_4-C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}}-\sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}}}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_4+C_1R_1R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4}}\\ \text{Qz: None}\\ \text{Wz: None}$$

3.94 BP-94
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{C_1 C_3 R_1 R_2 R_4 R_5 s^2 - R_2 R_4 + R_2 R_5 + R_4 R_5 + s \left(-C_1 R_1 R_2 R_4 + C_1 R_1 R_2 R_5 + C_1 R_1 R_4 R_5 + C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 \right)}$$

Parameters:

Q:
$$-\frac{\sqrt{C_1\sqrt{C_3}\sqrt{R_1}}R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}$$
 wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_1\sqrt{C_3}\sqrt{R_1}}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $-\frac{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}{C_1C_3R_1R_2R_4R_5}$ K-LP: 0 K-HP: 0 K-BP: $-\frac{C_3R_1R_2R_4R_6}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}$ Qz: None Wz: None

3.95 BP-95
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_1C_3C_6R_1R_2R_4 - C_1C_5C_6R_1R_2R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

```
\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}}{C_{1}R_{1}R_{2}+C_{1}R_{1}R_{4}+C_{3}R_{1}R_{4}+C_{3}R_{2}R_{4}-C_{5}R_{2}R_{4}}\\ \text{wo: }\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{3}R_{1}R_{2}R_{4}-C_{1}C_{5}R_{1}R_{2}R_{4}}}\\ \text{bandwidth: }\frac{\sqrt{R_{2}+R_{4}}(C_{1}R_{1}R_{2}+C_{1}R_{1}R_{4}+C_{3}R_{2}R_{4}-C_{5}R_{2}R_{4})\sqrt{\frac{1}{C_{1}C_{3}R_{1}R_{2}R_{4}-C_{1}C_{5}R_{1}R_{2}R_{4}}}}{\sqrt{C_{1}}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: }\frac{C_{3}C_{5}R_{1}R_{2}R_{4}}{C_{1}C_{6}R_{1}R_{4}+C_{3}C_{6}R_{1}R_{4}+C_{3}C_{6}R_{2}R_{4}-C_{5}C_{6}R_{2}R_{4}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}
```

3.96 BP-96
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_6 s}{-R_2 + R_5 + s^2 \left(C_1 C_3 R_1 R_2 R_5 + C_1 C_4 R_1 R_2 R_5\right) + s \left(-C_1 R_1 R_2 + C_1 R_1 R_5 + C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5\right)}$$

 $\begin{array}{l} Q\colon -\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3}+C_4\sqrt{-R_2+R_5}}{C_1R_1R_2-C_1R_1R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}\\ \text{wo: } \frac{\sqrt{-R_2+R_5}}{\sqrt{C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5}}\\ \text{bandwidth: } -\frac{C_1R_1R_2-C_1R_1R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5}}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: } -\frac{C_3R_1R_2R_6}{C_1R_1R_2-C_1R_1R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$

3.97 BP-97
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^2\left(C_1C_3C_6R_1R_2 + C_1C_4C_6R_1R_2 - C_1C_5C_6R_1R_2\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2\right)}$$

Parameters:

3.98 BP-98
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(C_1 C_3 R_1 R_2 R_4 R_5 + C_1 C_4 R_1 R_2 R_4 R_5\right) + s \left(-C_1 R_1 R_2 R_4 + C_1 R_1 R_2 R_5 + C_1 R_1 R_4 R_5 + C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 + C_4 R_2 R_4 R_5\right)}$$

$$\begin{array}{l} Q: -\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}\\ wo: \frac{\sqrt{-R_2}R_4+R_2}{\sqrt{C_1C_3}R_1R_2R_4R_5+C_1C_4R_1R_2R_4R_5}\\ bandwidth: -\frac{C_1R_1R_2R_4-C_1R_1R_2R_4R_5}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_3}R_1R_2R_4R_5+C_1C_4R_1R_2R_4R_5}}\\ K-LP: 0\\ K-HP: 0\\ K-BP: -\frac{C_3R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}}\\ Qz: None \end{array}$$

Wz: None

3.99 BP-99
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_1C_3C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 - C_1C_5C_6R_1R_2R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_1R_2+C_1R_1R_4+C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4}$

 $\frac{\sqrt{R_2 + R_4}(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4)\sqrt{\frac{1}{C_1C_3R_1R_2R_4 + C_1C_4R_1R_2R_4 - C_1C_5R_1R_2R_4}}}{\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2 + R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2 + R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2 + R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_1C_6R_1R_2+C_1C_6R_1R_4+C_3C_6R_1R_4+C_3C_6R_2R_4+C_4C_6R_2R_4-C_5C_6R_2R_4}$ Qz: None

Wz: None

3.100 BP-100 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

 $C_3R_1R_2R_4R_6s$ $H(s) = \frac{1}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(-C_1C_3R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_5 + C_1C_3R_1R_2R_4R_5 + C_1C_3R_1R_2R_4 + C_1R_1R_2R_5 + C_1R_1R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5\right)}{-R_3R_4R_5 + R_4R_5 + R_5R_5 + R_5R_5$

Parameters:

 $Q: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_4\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_2R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5 + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5 + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5 + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_2R_3R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_5} + \frac{R_4R_5}{-R_2R_3R_4+R_5} + \frac{R_4R_5}{-R_2R_3R_$

 $\frac{\text{bandwidth:}}{\sqrt{C_1\sqrt{C_3}\sqrt{R_1}R_2R_3R_4\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1\sqrt{C_3}\sqrt{R_1}R_2R_3R_5} - \sqrt{C_1\sqrt{C_3}\sqrt{R_1}$

K-HP: 0

 $\text{K-BP:} - \frac{C_3 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_4 - C_1 R_1 R_2 R_5 - C_1 R_1 R_4 R_5 - C_3 R_1 R_4 R_5 + C_3 R_2 R_3 R_4 - C_3 R_2 R_3 R_5 - C_3 R_2 R_4 R_5 - C_3 R_3 R_4 R_5}$

Qz: None

Wz: None

3.101 BP-101 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

Parameters:

 $\frac{\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}}{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4-C_5R_3R_4}$

wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4}}$

 $\frac{\sqrt{R_3 + R_4}(C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4)\sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4}}}{\sqrt{C_1 C_2 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 - C_5}}} - \sqrt{C_1 C_5 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 - C_5}}}$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_5R_1R_4R_6}{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4-C_5R_3R_4}$ Qz: None

Wz: None

3.102 BP-102
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_6 s}{s^2 \left(C_1 C_2 R_1 R_3 + C_1 C_4 R_1 R_3 - C_1 C_5 R_1 R_3\right) + s \left(C_1 R_1 + C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3\right) + 1}$$

3.103 BP-103 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^2 \left(C_1 C_2 R_1 R_3 R_4 + C_1 C_4 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4\right) + s \left(C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4}} \\ \text{wo: } \sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2R_1R_3R_4+C_1C_4R_1R_3R_4-C_1C_5R_1R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{R_3+R_4}(C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4)\sqrt{\frac{1}{C_1C_2R_1R_3R_4+C_1C_4R_1R_3R_4-C_1C_5R_1R_3R_4}}}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_2+C_4-C_5}}} \\ \text{K-LP: 0} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_5R_1R_4R_6}{C_1R_1R_3+C_1R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4}} \\ \text{Qz: None} \\ \text{Wz: None} \\ \\ \text{Wz: None} \\ \\ \text{Calculation} = \frac{1}{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}} \\ \text{None} \\ \\ \text{Wz: None} \\ \\ \text{Calculation} = \frac{1}{C_1C_2\sqrt{R_1}\sqrt{R_$$

3.104 BP-104 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_4 R_6 s}{-R_4 + R_5 + s^2 \left(C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 + C_2 C_3 R_1 R_4 R_5\right) + s \left(-C_1 R_1 R_4 + C_1 R_1 R_5 + C_2 R_4 R_5 + C_3 R_4 R_5\right)}$$

Parameters:

$$\begin{array}{l} \text{Wo: } \frac{-\frac{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}{\sqrt{-R_4+R_5}}}{\sqrt{-R_4+R_5}}\\ \text{wo: } \frac{\sqrt{-R_4+R_5}}{\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_2C_3R_1R_4R_5}}\\ \text{bandwidth: } -\frac{\frac{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}{\sqrt{R_1\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_2C_3R_1R_4R_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: 0}\\ \text{K-BP: } -\frac{C_3R_1R_4R_6}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

3.105 BP-105 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 - C_1C_5C_6R_1R_4 + C_2C_3C_6R_1R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}$$

```
Q: \frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_
```

3.106 BP-106
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_6 s}{s^2 \left(C_1 C_2 R_1 R_5 + C_1 C_3 R_1 R_5 + C_1 C_4 R_1 R_5 + C_2 C_3 R_1 R_5\right) + s \left(-C_1 R_1 + C_2 R_5 + C_3 R_5 + C_4 R_5\right) - 1}$$

Wz: None

```
Q: -\frac{i\sqrt{R_1}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1R_1-C_2R_5-C_3R_5-C_4R_5} wo: \frac{i}{\sqrt{C_1C_2R_1R_5+C_1C_3R_1R_5+C_1C_4R_1R_5+C_2C_3R_1R_5}} bandwidth: -\frac{C_1R_1-C_2R_5-C_3R_5-C_4R_5}{\sqrt{R_1}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_5+C_1C_3R_1R_5+C_1C_4R_1R_5+C_2C_3R_1R_5}} K-LP: 0 K-HP: 0 K-BP: -\frac{C_3R_1R_6}{C_1R_1-C_2R_5-C_3R_5-C_4R_5} Qz: None Wz: None
```

3.107 BP-107
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_1C_2C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_1C_4C_6R_1R_6 - C_1C_5C_6R_1R_6 + C_2C_3C_6R_1R_6\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_5R_1 + C_2C_3R_1 + C_2C_6R_6 + C_3C_6R_6 + C_4C_6R_6 - C_5C_6R_6\right)}$$

Parameters:

```
 Q: \frac{c_{1}c_{2}\sqrt{c_{6}}\sqrt{R_{1}}\sqrt{R_{6}}\sqrt{c_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}} + c_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}} + c_{1}c_{2}+c_{1}c_{3}+c_{1}c_{
```

3.108 BP-108 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_1C_2C_5R_1R_5 + C_1C_3C_5R_1R_5 + C_1C_4C_5R_1R_5 + C_2C_3C_5R_1R_5\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_5R_1 + C_2C_3R_1 + C_2C_5R_5 + C_3C_5R_5 + C_4C_5R_5\right)}$$

Parameters:

Wz: None

Wz: None

3.109 BP-109
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_4 R_6 s}{-R_4 + R_5 + s^2 \left(C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 + C_1 C_4 R_1 R_4 R_5 + C_2 C_3 R_1 R_4 R_5\right) + s \left(-C_1 R_1 R_4 + C_1 R_1 R_5 + C_2 R_4 R_5 + C_3 R_4 R_5 + C_4 R_4 R_5\right)}$$

Parameters:

K-LP: 0 K-HP: 0

K-BP: $-\frac{C_3R_1R_4R_6}{C_1R_1R_4 - C_1R_1R_5 - C_2R_4R_5 - C_3R_4R_5 - C_4R_4R_5}$ Qz: None

Wz: None

3.110 BP-110
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_4C_6R_1R_4 - C_1C_5C_6R_1R_4 + C_2C_3C_6R_1R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$$

Parameters:

$$Q: \frac{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}+C_{2}R_{4}+C_{3}R_{4}+C_{4}R_{4}-C_{5}R_{4}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{$$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_4+C_1C_3R_1R_4+C_1C_4R_1R_4-C_1C_5R_1R_4+C_2C_3R_1R_4}}$

 $(C_1R_1 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4)\sqrt{\frac{1}{C_1C_2R_1R_4 + C_1C_3R_1R_4 + C_1C_4R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_1R_4}}$

K-LP: 0

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_4}{C_1C_6R_1+C_2C_6R_4+C_3C_6R_4+C_4C_6R_4-C_5C_6R_4}$ Qz: None

Wz: None

3.111 BP-111
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_1C_2C_3R_1R_3 + C_1C_3C_4R_1R_3 - C_1C_3C_5R_1R_3\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_5R_1 + C_2C_3R_1 + C_2C_3R_3 + C_3C_4R_3 - C_3C_5R_3\right)}$$

Parameters:

$$Q: \frac{\sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}} + \frac{C_{3}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} + \frac{C_{5}}{C_{2}+C_{4}-C_{5}}}{\sqrt{C_{1}\sqrt{C_{3}}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}} + \frac{C_{3}}{C_{2}+C_{4}-C_{5}}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} + \frac{C_{3}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}} + \frac{C_{3}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_$$

wo: $\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_1 C_2 C_3 R_1 R_3 + C_1 C_3 C_4 R_1 R_3 - C_1 C_3 C_5 R_1 R_3}}$

 $\frac{\sqrt{\frac{C_{2}+C_{3}+C_{4}-C_{5}}{C_{1}C_{2}C_{3}R_{1}R_{3}+C_{1}C_{3}C_{5}R_{1}R_{3}}}(C_{1}C_{2}R_{1}+C_{1}C_{3}R_{1}+C_{1}C_{4}R_{1}-C_{1}C_{5}R_{1}+C_{2}C_{3}R_{3}+C_{3}C_{4}R_{3}-C_{3}C_{5}R_{3})}{\sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}+\frac{C_{4}}{C_{2}+C_{4}-C_{5}}+\sqrt{C_{1}}\sqrt{C_{3}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}-\sqrt{C_{1}}\sqrt{C_{3}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}+\frac{C_{4}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}-\sqrt{C_{1}}\sqrt{C_{3}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}+\frac{C_{4}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}-\sqrt{C_{1}}\sqrt{C_{3}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}+\frac{C_{4}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C$

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_6}{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_1+C_2C_3R_3+C_3C_4R_3-C_3C_5R_3}$ Qz: None

Wz: None

3.112 BP-112
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_4 - C_1 C_5 R_1 R_2 R_3 R_4\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 - C_5 R_2 R_3 R_4\right)}{R_1 R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_4 - C_1 C_5 R_1 R_2 R_3 R_4\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 - C_5 R_2 R_3 R_4\right)}$$

Q:
$$\frac{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}{C_{1}R_{1}R_{2}R_{3}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{2}R_{1}R_{2}R_{4}+C_{5}R_{2}R_{3}R_{4}}-C_{5}R_{2}R_{3}R_{4}}$$
wo:
$$\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{2}R_{3}R_{4}}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}}}$$
bandwidth:
$$\frac{\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}(C_{1}R_{1}R_{2}R_{3}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{2}R_{1}R_{2}R_{4}+C_{2}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{2}R_{3}R_{4}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}}}}{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}}\sqrt{\frac{1}{C_{2}-C_{5}}}}$$
K-LP: 0

K-HP: 0

K-BP:
$$\frac{C_{5}R_{1}R_{2}R_{4}R_{6}}{C_{1}R_{1}R_{2}R_{3}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{2}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4}}}{C_{2}R_{3}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{2}R_{1}R_{2}R_{4}+C_{2}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4}}}$$
Qz: None

Wz: None

3.113 BP-113 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^2 \left(C_1 C_2 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3\right) + s \left(C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}{C_{1}R_{1}R_{2}+C_{1}R_{1}R_{3}+C_{2}R_{1}R_{2}+C_{2}R_{2}R_{3}+C_{4}R_{2}R_{3}-C_{5}R_{2}R_{3}}}$$

$$wo: \sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{2}R_{3}+C_{1}C_{4}R_{1}R_{2}R_{3}-C_{1}C_{5}R_{1}R_{2}R_{3}}}$$

$$bandwidth: \frac{\sqrt{R_{1}+R_{2}+R_{3}}(C_{1}R_{1}R_{2}+C_{1}R_{1}R_{3}+C_{2}R_{1}R_{2}+C_{2}R_{2}R_{3}+C_{4}R_{2}R_{3}-C_{5}R_{2}R_{3})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{2}R_{3}+C_{1}C_{4}R_{1}R_{2}R_{3}-C_{1}C_{5}R_{1}R_{2}R_{3}}}}}{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}}}}$$

$$K-LP: 0$$

$$K-HP: 0$$

$$K-BP: \frac{C_{5}R_{1}R_{2}R_{6}}{C_{1}R_{1}R_{2}+C_{1}R_{1}R_{3}+C_{2}R_{1}R_{2}+C_{2}R_{2}R_{3}+C_{4}R_{2}R_{3}-C_{5}R_{2}R_{3}}}{C_{2}R_{3}R_{2}+C_{4}R_{2}R_{3}-C_{5}R_{2}R_{3}}}}}$$

$$Qz: None$$

$$Wz: None$$

3.114 BP-114
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_4 + C_1 C_4 R_1 R_2 R_3 R_4 - C_1 C_5 R_1 R_2 R_3 R_4\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_4 R_2 R_3 R_4 - C_5 R_2 R_3 R_4\right)}$$

$$Q: \frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} \\ wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4}} \\ bandwidth: \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}} \\ bandwidth: \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1R_2R_3R_4 + C_1R_2R_4 + C_2R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4})\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4}}}} \\ K-LP: 0 \\ K-HP: 0 \\ K-BP: \frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_4R_2R_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}}}} \\ VZ: None \\ Wz: None \\$$

3.115 BP-115
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(C_1 C_2 R_1 R_2 R_4 R_5 + C_1 C_3 R_1 R_2 R_4 R_5 + C_2 C_3 R_1 R_2 R_4 R_5\right) + s \left(-C_1 R_1 R_2 R_4 + C_1 R_1 R_2 R_5 + C_1 R_1 R_4 R_5 + C_2 R_2 R_4 R_5 + C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5\right)}$$

Q: $-\frac{\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{2}C_{3}}\sqrt{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}}{C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}}$ wo: $\frac{\sqrt{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}}{\sqrt{C_{1}C_{2}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}}}$ bandwidth: $-\frac{C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}}{\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{2}C_{3}}\sqrt{C_{1}C_{2}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{4}R_{5}}}$

K-HP: 0

 $\text{K-BP:} - \frac{C_3 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_4 - C_1 R_1 R_2 R_5 - C_1 R_1 R_4 R_5 - C_2 R_2 R_4 R_5 - C_3 R_1 R_4 R_5 - C_3 R_2 R_4 R_5}$

Qz: None Wz: None

3.116 BP-116 $Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & R_4, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 - C_1C_5C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

Parameters:

 $Q: \underbrace{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} +C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} +C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} +C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} +C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4}$

 $\frac{\sqrt{R_2 + R_4}(C_1 R_1 R_2 + C_1 R_1 R_4 + C_2 R_2 R_4 + C_3 R_1 R_4 + C_3 R_2 R_4 - C_5 R_2 R_4)\sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4}}{C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R$

K-LP: 0 K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_1C_6R_1R_2+C_1C_6R_1R_4+C_2C_6R_2R_4+C_3C_6R_1R_4+C_3C_6R_2R_4-C_5C_6R_2R_4}$ Qz: None

Wz: None

3.117 BP-117 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_6 s}{-R_2 + R_5 + s^2 \left(C_1 C_2 R_1 R_2 R_5 + C_1 C_3 R_1 R_2 R_5 + C_1 C_4 R_1 R_2 R_5 + C_2 C_3 R_1 R_2 R_5\right) + s \left(-C_1 R_1 R_2 + C_1 R_1 R_5 + C_2 R_2 R_5 + C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5\right)}$$

Parameters:

 $\begin{array}{l} Q\colon -\frac{\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-R_2+R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}\\ \text{wo: } \frac{\sqrt{-R_2+R_5}}{\sqrt{C_1C_2R_1R_2R_5+C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5+C_2C_3R_1R_2R_5}}\\ \text{bandwidth: } -\frac{C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_2R_5+C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5}}\\ \text{TABLE C.} \end{array}$

K-HP: 0

K-BP: $-\frac{C_3R_1R_2R_6}{C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}$

Qz: None

Wz: None

3.118 BP-118
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^2\left(C_1C_2C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_4C_6R_1R_2 - C_1C_5C_6R_1R_2 + C_2C_3C_6R_1R_2\right) + s\left(C_1C_6R_1 + C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2\right)}$$

Parameters:

 $Q \colon \frac{C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}{C_1 R_1 + C_2 R_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}{C_1 R_1 + C_2 R_2 + C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}} \\ - C_1 C_2 \sqrt{R_1} \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}}}$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_2+C_1C_3R_1R_2+C_1C_4R_1R_2-C_1C_5R_1R_2+C_2C_3R_1R_2}}$ $(C_1R_1 + C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1}C_3R_1R_2 + C_1C_4R_1R_2 - C_1C_5R_1R_2 + C_2C_3R_1R_2}$ $\overline{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{$

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2}{C_1C_6R_1 + C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2}$

Qz: None Wz: None

3.119 BP-119 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $C_3R_1R_2R_4R_6s$ $H(s) = \frac{-\frac{1}{12} - \frac{1}{12} -$

Parameters:

Wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_4R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}}$ bandwidth: $-\frac{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_2R_2R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_4R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}}$

K-LP: 0

K-HP: 0

 $\text{K-BP:} - \frac{C_3 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_4 - C_1 R_1 R_2 R_5 - C_1 R_1 R_4 R_5 - C_2 R_2 R_4 R_5 - C_3 R_1 R_4 R_5 - C_3 R_2 R_4 R_5 - C_4 R_2 R_4 R_5}$

Qz: None Wz: None

3.120 BP-120 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_3C_5R_1R_2R_4s$ $H(s) = \frac{C_3C_3R_1R_2R_4}{C_6R_2 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_2C_6R_2R_4 + C_3C_6R_1R_4 + C$

Parameters:

 $Q: \frac{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 + C_1 C_4 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4}$

 $\sqrt{R_2 + R_4} (C_1 R_1 R_2 + C_1 R_1 R_4 + C_2 R_2 R_4 + C_3 R_1 R_4 + C_3 R_2 R_4 + C_4 R_2 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 + C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4 + C_3 R_1 R_2 R_4$ $\frac{\sqrt{C_1C_2N_1N_2N_4+C_1C_3+C_1C_4+C_1C_3+C_1C_4+C_1C_5+C_2C_3}}{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{$

K-LP: 0 K-HP: 0

 $\text{K-BP: } \frac{C_3C_5R_1R_2R_4}{C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4}$

Wz: None

- 4 BS
- 5 GE
- 6 HP

6.1 HP-1
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_3C_6R_1R_4R_6 + C_3C_6R_2R_4R_6 - C_5C_6R_2R_4R_6\right) + s\left(C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4 + C_6R_2R_6 + C_6R_4R_6\right)}$$

$$Q\colon \frac{C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_6}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} + C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} - C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} \\ wo: \sqrt{R_2+R_4}\sqrt{\frac{1}{C_3C_6R_1R_4R_6+C_3C_6R_2R_4R_6}} \\ wo: \sqrt{R_2+R_4}\sqrt{\frac{1}{C_3C_6R_1R_4R_6+C_3C_6R_2R_4R_6}} \\ bandwidth: \frac{\sqrt{R_2+R_4}(C_3R_1R_4+C_3R_2R_4-C_5R_2R_4+C_6R_2R_6+C_6R_4R_6)}\sqrt{\frac{1}{C_3C_6R_1R_4R_6+C_3C_6R_2R_4R_6}} \\ bandwidth: \frac{\sqrt{R_2+R_4}(C_3R_1R_4+C_3R_2R_4-C_5R_2R_4+C_6R_2R_6+C_6R_4R_6)}\sqrt{\frac{1}{C_3C_6R_1R_4R_6+C_3C_6R_2R_4R_6}} \\ V_3\sqrt{C_6R_1\sqrt{R_4}\sqrt{R_6}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}} + C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} - C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} \\ K-LP: 0 \\ K-HP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}} \\ K-BP: 0 \\ Qz: None \\ Wz: None$$

6.2 HP-2 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_3C_5R_1R_4R_5 + C_3C_5R_2R_4R_5\right) + s\left(C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4 + C_5R_2R_5 + C_5R_4R_5\right)}$$

Parameters:

Q:
$$\frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{R_2+R_4}}{C_3R_1R_4+C_3R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}$$
 wo:
$$\frac{\sqrt{R_2+R_4}}{\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5}}$$
 bandwidth:
$$\frac{C_3R_1R_4+C_3R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5}}$$
 K-LP: 0 K-HP:
$$\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$$
 K-BP: 0 Qz: None Wz: None

6.3 HP-3
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^2\left(C_3C_6R_1R_6 + C_3C_6R_2R_6 + C_4C_6R_2R_6 - C_5C_6R_2R_6\right) + s\left(C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_6R_6\right) + 1}$$

Parameters:

$$\begin{array}{c} Q: \frac{C_3\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_3\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} - C_5\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} \\ wo: \sqrt{\frac{1}{C_3C_6}R_1R_6+C_3C_6R_2}R_6} \\ \\ bandwidth: \frac{(C_3R_1+C_3R_2+C_4R_2-C_5R_2+C_6R_6)}{\frac{1}{C_3\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_3\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} - C_5\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} \\ \\ k-LP: 0 \\ K-HP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}} \\ K-BP: 0 \\ Qz: None \\ Wz: None \\ \end{array}$$

6.4 HP-4
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^2\left(C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_5R_2R_5\right) + s\left(C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_5R_5\right) + 1}$$

```
wo: \frac{1}{\sqrt{C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_5R_2R_5}} bandwidth: \frac{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_5R_5}{\sqrt{C_5}\sqrt{R_5}\sqrt{C_3R_1 + C_3R_2 + C_4R_2}\sqrt{C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_5R_2R_5}}
K-HP: \frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}
K-BP: 0
  Qz: None
```

6.5 HP-5 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_3C_6R_1R_4R_6 + C_3C_6R_2R_4R_6 + C_4C_6R_2R_4R_6 - C_5C_6R_2R_4R_6\right) + s\left(C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4 + C_6R_2R_6 + C_6R_4R_6\right)}$

Parameters:

Wz: None

 $\text{Q:} \frac{\frac{C_{3}\sqrt{C_{6}}R_{1}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + C_{3}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + C_{4}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} - C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} \\ -C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} - C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} \\ -C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} - C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} \\ -C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + C_{4}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} \\ -C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + C_{4}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} \\ -C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + C_{4}\sqrt{R_{6}}\sqrt{R_{4}+C_{6}R_{2}+C_{6}R_{4$ wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 C_6 R_1 R_4 R_6 + C_3 C_6 R_2 R_4 R_6 + C_4 C_6 R_2 R_4 R_6 - C_5 C_6 R_2 R_4 R_6}}$

 $\frac{\sqrt{R_2 + R_4}(C_3 R_1 R_4 + C_3 R_2 R_4 + C_4 R_2 R_4 - C_5 R_2 R_4 + C_6 R_2 R_6 + C_6 R_4 R_6)\sqrt{\frac{1}{C_3 C_6 R_1 R_4 R_6 + C_3 C_6 R_2 R_4 R_6 - C_5 C_6 R_2 R_4 R_6}}{C_3 \sqrt{C_6} R_1 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_3 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_4 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_4 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_4 + C_4 R_4}} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_4 + C_4 R_4}} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_4 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_4 + C_4 R_4}} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_4 - C_5 R_2}} + C_4 \sqrt{C_6} R_2 \sqrt{R_4} \sqrt{R_6} \sqrt{R_4 + C_4 R_4}} \sqrt{\frac{1}{C_3 R_4 + C_4 R$

Qz: None Wz: None

6.6 HP-6 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_3C_5R_1R_4R_5 + C_3C_5R_2R_4R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4 + C_5R_2R_5 + C_5R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_2+R_4}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5+C_4C_5R_2R_4R_5}}$ bandwidth: $\frac{C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5+C_4C_5R_2R_4R_5}}$ KID: 0

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ K-BP: 0Qz: None Wz: None

6.7 HP-7 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $\frac{C_3C_5R_1R_2R_4R_6s^2}{-C_3C_5R_2R_3R_4s^2+R_2+R_4+s\left(C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4\right)}$

Parameters:

Q: $-\frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_2+R_4}}{C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4}$ wo: $\frac{\sqrt{-R_2-R_4}}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{i\sqrt{-R_2-R_4}(C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)}{C_3C_5R_3R_3R_3R_3R_3R_4-C_5R_2R_4)}$

K-LP: 0 K-HP: $-\frac{R_1R_6}{R_3}$ K-BP: 0 Qz: None Wz: None

6.8 HP-8
$$Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_3C_5R_1R_4R_5 - C_3C_5R_2R_3R_4 + C_3C_5R_2R_3R_5 + C_3C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s\left(C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_5R_2R_4 + C_5R_2R_5 + C_5R_4R_5\right)}$$

 $Q: \frac{\sqrt{C_3}\sqrt{C_5}R_1R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_2R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_5R_2R_4R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{R_2+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5}$ wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 C_5 R_1 R_4 R_5 - C_3 C_5 R_2 R_3 R_4 + C_3 C_5 R_2 R_3 R_5 + C_3 C_5 R_2 R_4 R_5 + C_3 C_5 R_3 R_4 R_5}$

K-LP: 0

K-HP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-BP: 0

Qz: None

Wz: None

6.9 HP-9 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^2\left(C_3C_4R_2R_3 - C_3C_5R_2R_3\right) + s\left(C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 - C_5R_2\right) + 1}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_3R_1+C_3R_2+C_3R_3+C_4R_2-C_5R_2}\\ \text{wo: } \sqrt{\frac{1}{C_3C_4R_2R_3-C_3C_5R_2R_3}}\\ \text{bandwidth: } \frac{(C_3R_1+C_3R_2+C_3R_3+C_4R_2-C_5R_2)\sqrt{\frac{1}{C_3C_4R_2R_3-C_3C_5R_2R_3}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ \text{K-BP: 0}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

6.10 HP-10
$$Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_3C_4R_2R_3R_4 - C_3C_5R_2R_3R_4\right) + s\left(C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 + C_4R_2R_4 - C_5R_2R_4\right)}$$

Parameters:

Wz: None

6.11 HP-11
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_1 R_4 R_6 s^2}{C_2 C_3 R_1 R_4 s^2 + s \left(C_2 R_4 + C_3 R_4 - C_5 R_4\right) + 1}$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_4}+C_3\sqrt{R_4}-C_5\sqrt{R_4}}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_2\sqrt{R_4}+C_3\sqrt{R_4}-C_5\sqrt{R_4}}{C_2C_3R_1\sqrt{R_4}}$ K-LP: 0 K-HP: $\frac{C_5R_6}{C_2}$ K-BP: 0 Qz: None Wz: None

6.12 HP-12 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3 C_5 R_1 R_4 R_6 s^2}{C_2 C_3 R_1 R_4 s^2 + s \left(C_2 R_4 + C_3 R_4 + C_4 R_4 - C_5 R_4\right) + 1}$$

Parameters:

6.13 HP-13 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^2\left(C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_2R_4 + C_3R_3 + C_3R_4 - C_5R_4\right) + 1}$$

Parameters:

 $Q\colon \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_2R_4+C_3R_3+C_3R_4-C_5R_4}\\ \text{wo: } \sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4-C_3C_5R_3R_4}}\\ \text{bandwidth: } \frac{(C_2R_4+C_3R_3+C_3R_4-C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4-C_3C_5R_3R_4}}}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}\\ \text{K-BP: 0}\\ \text{Qz: None}\\ \text{Wz: None}$

6.14 HP-14 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^2\left(C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_2R_4 + C_3R_3 + C_3R_4 + C_4R_4 - C_5R_4\right) + 1}$$

Parameters:

 $\text{Q:} \ \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C_3}C_4R_3\sqrt{C$

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Wo: \sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}
```

 $(C_2R_4+C_3R_3+C_3R_4+C_4R_4-C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}$

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}$ K-BP: 0

Qz: None Wz: None

6.15 HP-15 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3R_1R_2R_4s^2 + R_2 + R_4 + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2+R_4}}{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}{C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$ K-BP: 0 Qz: None Wz: None

6.16 HP-16 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{C_2C_3R_1R_2s^2 + s\left(C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2\right) + 1}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}{C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}$ bandwidth: $\frac{C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}{C_2C_3R_1R_2}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$ K-BP: 0 Qz: None Wz: None

6.17 HP-17 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3R_1R_2R_4s^2 + R_2 + R_4 + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2+R_4}}{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}+C_4R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}+C_4R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}{C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$ K-BP: 0 Qz: None Wz: None

6.18 HP-18
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_2C_3R_1R_2R_4 + C_2C_3R_2R_3R_4 - C_3C_5R_2R_3R_4\right) + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 - C_5R_2R_4\right)}$$

Q:
$$\frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} \\ - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} \\ - \sqrt{R_2+R_4}\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_3R_1}R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4} \\ - \sqrt{R_2+R_4}\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_2R_3R_4}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_2R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_2R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_2R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_2R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_2C_3R_2R_3R_4-C_3C_5R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_3R_3R_4-C_3C_5R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_3C_3R_3R_4-C_3C_5R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4-C_5R_2R_4)\sqrt{\frac{1}{C_2C_3}R_1R_2R_4+C_3R_3R_4-C_3C_5R_3R_4}}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_5R_3R_4}} \\ - \frac{\sqrt{R_2+R_4}(C_2R_2R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+C_3R_3R_4+$$

6.19 HP-19 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^2\left(C_2C_3R_1R_2 + C_2C_3R_2R_3 + C_3C_4R_2R_3 - C_3C_5R_2R_3\right) + s\left(C_2R_2 + C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 - C_5R_2\right) + 1}$$

Parameters:

$$Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_$$

6.20 HP-20
$$Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_2C_3R_1R_2R_4 + C_2C_3R_2R_3R_4 + C_3C_4R_2R_3R_4 - C_3C_5R_2R_3R_4\right) + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 + C_4R_2R_4 - C_5R_2R_4\right)}$$

$$Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3$$

6.21 HP-21
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_1C_3R_1R_2R_4 - C_1C_5R_1R_2R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4\right)}$$

6.22 HP-22
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^2\left(C_1C_3R_1R_2 + C_1C_4R_1R_2 - C_1C_5R_1R_2\right) + s\left(C_1R_1 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2\right) + 1}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}\\ Wo: \sqrt{\frac{1}{C_{1}C_{3}R_{1}R_{2}+C_{1}C_{4}R_{1}R_{2}-C_{1}C_{5}R_{1}R_{2}}}\\ bandwidth: \frac{(C_{1}R_{1}+C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2})\sqrt{\frac{1}{C_{1}C_{3}R_{1}R_{2}+C_{1}C_{4}R_{1}R_{2}-C_{1}C_{5}R_{1}R_{2}}}{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}\\ K-LP: 0\\ K-HP: \frac{C_{3}C_{5}R_{6}}{C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}}}\\ K-BP: 0\\ Qz: None\\ Wz: None \end{array}$$

6.23 HP-23
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_1C_3R_1R_2R_4 + C_1C_4R_1R_2R_4 - C_1C_5R_1R_2R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4\right)}$$

Q:
$$\frac{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} }{\frac{C_{1}R_{1}R_{2}+C_{1}R_{1}R_{4}+C_{3}R_{1}R_{4}+C_{3}R_{2}R_{4}+C_{4}R_{2}R_{4}-C_{5}R_{2}R_{4}}}{\frac{1}{C_{1}C_{3}R_{1}R_{2}R_{4}+C_{1}C_{4}R_{1}R_{2}R_{4}-C_{1}C_{5}R_{1}R_{2}R_{4}}}}}$$
bandwidth:
$$\frac{\sqrt{R_{2}+R_{4}}(C_{1}R_{1}R_{2}+C_{1}R_{1}R_{4}+C_{3}R_{2}R_{4}+C_{4}R_{2}R_{4}-C_{5}R_{2}R_{4}})\sqrt{\frac{1}{C_{1}C_{3}R_{1}R_{2}R_{4}+C_{1}C_{5}R_{1}R_{2}R_{4}}}}}{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}}}}}$$
K-LP: 0
K-HP:
$$\frac{C_{3}C_{5}R_{6}}{C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}}$$
K-LP: 0
Qz: None
Wz: None

6.24 HP-24
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^2\left(C_1C_2R_1R_4 + C_1C_3R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_1R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_4 - C_5R_4\right) + 1}$$

$$Q: \frac{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}+C_{2}R_{4}+C_{3}R_{4}-C_{5}R_{4}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt$$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_4+C_1C_3R_1R_4-C_1C_5R_1R_4+C_2C_3R_1R_4}}$

 $\text{bandwidth: } \frac{(C_1R_1 + C_2R_4 + C_3R_4 - C_5R_4)\sqrt{\frac{1}{C_1C_2R_1R_4 + C_1C_3R_1R_4 + C_2C_3R_1R_4}}}{C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}}} + C_2C_3\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{\frac{1$

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: 0

Qz: None Wz: None

6.25 HP-25 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^2\left(C_1C_2R_1R_4 + C_1C_3R_1R_4 + C_1C_4R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_1R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4\right) + 1}$$

Parameters:

$$Q: \frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{$$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_4+C_1C_3R_1R_4+C_1C_4R_1R_4-C_1C_5R_1R_4+C_2C_3R_1R_4}}$

 $(C_1R_1 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4)\sqrt{\frac{1}{C_1C_2R_1R_4 + C_1C_3R_1R_4 + C_1C_4R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_1R_4}}$

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-BP: 0

Qz: None Wz: None

6.26 HP-26 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_2R_4 - C_1C_5R_1R_2R_4 + C_2C_3R_1R_2R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4\right)}$

Parameters:

$$Q: \frac{ C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} \\ - C_{1}R_{1}R_{2}+C_{1}R_{1}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{1}R_{4}+C_{3}R_{2}R_{4}-C_{5}R_{2}R_{4}}$$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4}$

 $\text{bandwidth: } \frac{\sqrt{R_2 + R_4}(C_1 R_1 R_2 + C_1 R_1 R_4 + C_2 R_2 R_4 + C_3 R_1 R_4 + C_3 R_2 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4}}{C_1 C_2 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt$

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: 0

Qz: None

Wz: None

6.27 HP-27
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^2\left(C_1C_2R_1R_2 + C_1C_3R_1R_2 + C_1C_4R_1R_2 - C_1C_5R_1R_2 + C_2C_3R_1R_2\right) + s\left(C_1R_1 + C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2\right) + 1}$$

6.28 HP-28
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_1C_4R_1R_2R_4 - C_1C_5R_1R_2R_4 + C_2C_3R_1R_2R_4 + C_1R_1R_2 + C_1R_1R_4 + C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4\right)}$$

Parameters:

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 Q: \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_2C_3}} - C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+
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7 LP

Qz: None Wz: None

7.1 LP-1
$$Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{R_1 R_2 R_6}{C_4 C_6 R_2 R_3 R_5 R_6 s^2 + R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s \left(C_4 R_2 R_3 R_5 + C_6 R_1 R_5 R_6 - C_6 R_2 R_3 R_6 + C_6 R_2 R_5 R_6 + C_6 R_3 R_5 R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_4}\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{C_4R_2R_3R_5+C_6R_1R_5R_6-C_6R_2R_3R_6+C_6R_2R_5R_6+C_6R_3R_5R_6}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}}$ bandwidth: $\frac{C_4R_2R_3R_5+C_6R_1R_5R_6-C_6R_2R_3R_6+C_6R_2R_5R_6+C_6R_3R_5R_6}{C_4C_6R_2R_3R_5R_6}$ K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.2 LP-2
$$Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_2}{C_4 C_5 C_6 R_2 R_3 R_5 s^2 + C_6 R_1 + C_6 R_2 + C_6 R_3 + s \left(C_4 C_6 R_2 R_3 + C_5 C_6 R_1 R_5 - C_5 C_6 R_2 R_3 + C_5 C_6 R_2 R_5 + C_5 C_6 R_3 R_5 \right)}$$

Q: $\frac{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_1+R_2+R_3}}{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{C_4C_5R_2R_3R_5}$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

K-BP: 0 Qz: None

Wz: None

7.3 LP-3 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{C_4 C_6 R_2 R_3 R_4 R_5 R_6 s^2 + R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_4 R_2 R_3 R_4 R_5 + C_6 R_1 R_4 R_5 R_6 - C_6 R_2 R_3 R_4 R_6 + C_6 R_2 R_3 R_5 R_6 + C_6 R_2 R_4 R_5 R_6 + C_6 R_3 R_4 R_5 R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1}R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{C_4R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6 + C_6R_3R_4R_5R_6}}{\sqrt{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}}}$ wo: $\frac{\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{\sqrt{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}}}$ bandwidth: $\frac{C_4R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6 + C_6R_3R_4R_5R_6}}{C_4C_6R_2R_3R_4R_5R_6}}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.4 LP-4 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{1}{C_4 C_5 C_6 R_2 R_3 R_4 R_5 s^2 + C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s \left(C_4 C_6 R_2 R_3 R_4 + C_5 C_6 R_1 R_4 R_5 - C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_4 R_5 + C_5 C_6 R_2 R_4 R_5 \right)}{(1 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_4 R_5 + C_5 C_6 R_4 R_5 + C_5 C_6 R_5 R_$

Parameters:

Q: $\frac{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{C_4C_5R_2R_3R_4R_5}$

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.5 LP-5 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5, \frac{1}{C_{6s}}\right)$

$$H(s) = \frac{C_3 R_1 R_2}{C_3 C_4 C_6 R_2 R_3 R_5 s^2 - C_6 R_2 + C_6 R_5 + s \left(C_3 C_6 R_1 R_5 - C_3 C_6 R_2 R_3 + C_3 C_6 R_2 R_5 + C_3 C_6 R_3 R_5 + C_4 C_6 R_2 R_5 \right)}$$

```
K-LP: -\frac{C_3R_1R_2}{C_6R_2-C_6R_5}
K-HP: 0
K-BP: 0
Qz: None
Wz: None
```

7.6 LP-6
$$Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4}{C_3 C_4 C_6 R_2 R_3 R_4 R_5 s^2 - C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s \left(C_3 C_6 R_1 R_4 R_5 - C_3 C_6 R_2 R_3 R_4 + C_3 C_6 R_2 R_3 R_5 + C_3 C_6 R_2 R_4 R_5 + C_4 C_6 R_2 R_4 R_5 \right)}$$

7.7 LP-7 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_2 C_6 R_1 R_4 R_5 R_6 + C_2 C_6 R_3 R_4 R_5 R_6\right) + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 - C_6 R_3 R_4 R_6 + C_6 R_3 R_5 R_6 + C_6 R_4 R_5 R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_3}\sqrt{-R_3}R_4+R_3R_5+R_4R_5}{C_2R_1R_4R_5+C_2R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6}$ wo: $\frac{\sqrt{-R_3}R_4+R_3R_5+R_4R_5}{\sqrt{C_2C_6}R_1R_4R_5R_6+C_2C_6R_3R_4R_5R_6}$ bandwidth: $\frac{C_2R_1R_4R_5+C_2R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_3}\sqrt{C_2C_6R_1}R_4R_5R_6+C_2C_6R_3R_4R_5R_6}}$ K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.8 LP-8 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s^2 \left(C_2 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_3 R_4 R_5\right) + s \left(C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 - C_5 C_6 R_3 R_4 + C_5 C_6 R_3 R_5 + C_5 C_6 R_4 R_5\right)}$$

Parameters:

7.9 LP-9
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{R_1 R_6}{-R_3 + R_5 + s^2 \left(C_2 C_6 R_1 R_5 R_6 + C_2 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 R_6\right) + s \left(C_2 R_1 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5 - C_6 R_3 R_6 + C_6 R_5 R_6\right)}$$

Q: $\frac{\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{-R_3+R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_1R_5+C_2R_3R_5+C_4R_3R_5-C_6R_3R_6+C_6R_5R_6}$ wo: $\frac{\sqrt{-R_3+R_5}}{\sqrt{-R_3+R_5}}$

wo: $\frac{\sqrt{-R_3+R_5}}{\sqrt{C_2C_6R_1R_5R_6+C_2C_6R_3R_5R_6+C_4C_6R_3R_5R_6}}$ bandwidth: $\frac{C_2R_1R_5+C_2R_3R_5+C_4R_3R_5-C_6R_3R_6+C_6R_5R_6}{\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_6R_1R_5R_6+C_2C_6R_3R_5R_6+C_4C_6R_3R_5R_6}}$ K-LP: $-\frac{R_1R_6}{R_3-R_5}$ K-HP: 0

K-BP: 0 Qz: None Wz: None

7.10 LP-10 $Z(s) = \left(R_1, \frac{1}{C_{2s}}, R_3, \frac{1}{C_{4s}}, R_5 + \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$

$$H(s) = \frac{C_5 R_1}{C_6 + s^2 \left(C_2 C_5 C_6 R_1 R_5 + C_2 C_5 C_6 R_3 R_5 + C_4 C_5 C_6 R_3 R_5\right) + s \left(C_2 C_6 R_1 + C_2 C_6 R_3 + C_4 C_6 R_3 - C_5 C_6 R_3 + C_5 C_6 R_5\right)}$$

Parameters:

wo: $\frac{1}{\sqrt{C_2C_5R_1R_5+C_2C_5R_3R_5+C_4C_5R_3R_5}}$ bandwidth: $\frac{C_2R_1+C_2R_3+C_4R_3-C_5R_3+C_5R_5}{\sqrt{C_5}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_5R_1R_5+C_2C_5R_3R_5+C_4C_5R_3R_5}}$ K-LP: $\frac{C_5R_1}{C_6}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.11 LP-11 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-1}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_6R_1R_4R_5R_6 + C_2C_6R_3R_4R_5R_6 + C_4C_6R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_4R_3R_4R_5 - C_6R_3R_4R_6 + C_6R_3R_5R_6 + C_6R_4R_5R_6\right)}$

Parameters:

Q: $\frac{\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{C_2R_1R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6}}$ wo: $\frac{\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{\sqrt{C_2C_6R_1R_4R_5R_6+C_2C_6R_3R_4R_5+C_4C_6R_3R_4R_5R_6}}$ bandwidth: $\frac{C_2R_1R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6}{\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_6R_1R_4R_5R_6+C_2C_6R_3R_4R_5R_6+C_4C_6R_3R_4R_5R_6}}$ K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.12 LP-12 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s^2 \left(C_2 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_3 R_4 R_5 + C_4 C_5 C_6 R_3 R_4 R_5\right) + s \left(C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 + C_4 C_6 R_3 R_4 + C_5 C_6 R_3 R_4 + C_5 C_6 R_3 R_5 + C_5 C_6 R_4 R_5\right)}{c_6 R_3 + c_6 R_4 + s^2 \left(C_2 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_3 R_4 R_5 + C_4 C_5 C_6 R_3 R_4 R_5\right) + s \left(C_2 C_6 R_1 R_4 + C_4 C_6 R_3 R_4 + C_5 C_6 R_3 R_4 + C_5 C_6 R_3 R_5 + C_5 C_6 R_3 R_4 R_5\right)}$$

Parameters:

wo: $\frac{\sqrt{R_3 + R_4}}{\sqrt{C_2 C_5 R_1 R_4 R_5 + C_2 C_5 R_3 R_4 R_5 + C_4 C_5 R_3 R_4 R_5}}{\sqrt{C_2 C_5 R_3 R_4 R_5 + C_2 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4 + C_5 R_3 R_5 + C_5 R_4 R_5}}$ bandwidth: $\frac{C_2 R_1 R_4 + C_2 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4 + C_5 R_3 R_5 + C_5 R_4 R_5}{\sqrt{C_5 \sqrt{R_4} \sqrt{R_5} \sqrt{C_2 R_1 + C_2 R_3 + C_4 R_3} \sqrt{C_2 C_5 R_1 R_4 R_5 + C_2 C_5 R_3 R_4 R_5 + C_4 C_5 R_3 R_4 R_5}}}$

K-LP: $\frac{C_5R_1R_4}{C_6R_3+C_6R_4}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.13 LP-13
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_3 R_1 R_4}{C_2 C_3 C_6 R_1 R_4 R_5 s^2 - C_6 R_4 + C_6 R_5 + s \left(C_2 C_6 R_4 R_5 + C_3 C_6 R_4 R_5 \right)}$

Parameters:

 $\begin{array}{l} \text{Q: } \frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}} \\ \text{wo: } \frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}} \\ \text{bandwidth: } \frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}} \\ \text{K-LP: } -\frac{C_3R_1R_4}{C_6R_4-C_6R_5} \\ \text{K-HP: } 0 \end{array}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.14 LP-14 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1}{C_2 C_3 C_6 R_1 R_5 s^2 - C_6 + s \left(C_2 C_6 R_5 + C_3 C_6 R_5 + C_4 C_6 R_5\right)}$

Parameters:

Q: $\frac{i\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}}$ wo: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}}{C_2C_3R_1\sqrt{R_5}}$ K-LP: $-\frac{C_3R_1}{C_6}$ K-HP: 0

K-BP: 0 Qz: None Wz: None

7.15 LP-15 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1}{C_2C_3C_5C_6R_1R_5s^2 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_5C_6R_5 + C_3C_5C_6R_5 + C_4C_5C_6R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}\sqrt{C_2+C_3+C_4-C_5}}{C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}$ wo: $\frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}{C_2C_3C_5R_1R_5}$

K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: 0

K-BP: 0 Qz: None Wz: None

7.16 LP-16
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_4}{C_2 C_3 C_6 R_1 R_4 R_5 s^2 - C_6 R_4 + C_6 R_5 + s \left(C_2 C_6 R_4 R_5 + C_3 C_6 R_4 R_5 + C_4 C_6 R_4 R_5 \right)}$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$

K-HP: 0 K-BP: 0 Qz: None

Wz: None

7.17 LP-17 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_1 R_4}{-C_6 R_4 + C_6 R_5 + s^2 \left(C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5\right) + s \left(C_2 C_6 R_4 R_5 - C_3 C_6 R_3 R_4 + C_3 C_6 R_3 R_5 + C_3 C_6 R_4 R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-R_4+R_5}}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$ bandwidth: $\frac{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2}C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$ K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: 0

Qz: None Wz: None

7.18 LP-18 $Z(s) = \left(R_1, \frac{1}{C_{2s}}, R_3 + \frac{1}{C_{3s}}, \frac{1}{C_{4s}}, R_5, \frac{1}{C_{6s}}\right)$

$$H(s) = \frac{C_3 R_1}{-C_6 + s^2 \left(C_2 C_3 C_6 R_1 R_5 + C_2 C_3 C_6 R_3 R_5 + C_3 C_4 C_6 R_3 R_5\right) + s \left(C_2 C_6 R_5 - C_3 C_6 R_3 + C_3 C_6 R_5 + C_4 C_6 R_5\right)}$$

Parameters:

Wo: $\frac{c_2R_5 - c_3R_3 + c_3R_5 + c_4R_5}{\sqrt{C_2C_3R_1R_5 + C_2C_3R_3R_5 + C_3C_4R_3R_5}}$ bandwidth: $\frac{c_2R_5 - c_3R_3 + c_3R_5 + c_4R_5}{\sqrt{C_3}\sqrt{R_5}\sqrt{C_2R_1 + C_2R_3 + C_4R_3}\sqrt{C_2C_3R_1R_5 + C_2C_3R_3R_5 + C_3C_4R_3R_5}}$ K-LP: $-\frac{C_3R_1}{C_6}$ K-LP: 0

K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.19 LP-19 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_5C_6R_1R_5 + C_2C_3C_5C_6R_3R_5 + C_3C_4C_5C_6R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_2C_5C_6R_5 + C_3C_4C_6R_3 - C_3C_5C_6R_3 + C_3C_5C_6R_5 + C_4C_5C_6R_5\right)}{s^2}$$

Parameters:

 $\begin{array}{l} Q\colon \frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2+C_3+C_4-C_5}}{C_2C_3R_1+C_2C_3R_3+C_2C_5R_5+C_3C_4R_3-C_3C_5R_3+C_3C_5R_5+C_4C_5R_5}\\ \text{wo: } \frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_2C_3C_5R_1R_5+C_2C_3C_5R_3R_5+C_3C_4C_5R_3R_5}}\\ \text{bandwidth: } \frac{C_2C_3R_1+C_2C_3R_3+C_2C_5R_5+C_3C_4R_3-C_3C_5R_3+C_3C_5R_5+C_4C_5R_5}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_3C_5R_1R_5+C_2C_3C_5R_3R_5+C_3C_4C_5R_3R_5}} \end{array}$

```
K-LP: \frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}
K-HP: 0
K-BP: 0
Qz: None
Wz: None
```

7.20 LP-20
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_4}{-C_6 R_4 + C_6 R_5 + s^2 \left(C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 + C_3 C_4 C_6 R_3 R_4 R_5\right) + s \left(C_2 C_6 R_4 R_5 - C_3 C_6 R_3 R_4 + C_3 C_6 R_3 R_5 + C_3 C_6 R_4 R_5 + C_4 C_6 R_4 R_5\right)}$$

Q: $\frac{\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5+C_4R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5+C_3C_4R_3R_4R_5}}$ bandwidth: $\frac{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5+C_4R_4R_5}{\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5+C_3C_4R_3R_4R_5}}$ K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.21 LP-21
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_6 R_2 R_3 R_4 R_5 + C_2 R_2 R_3 R_4 R_5 + C_6 R_1 R_4 R_5 R_6 - C_6 R_2 R_3 R_4 R_6 + C_6 R_2 R_3 R_5 R_6 + C_6 R_2 R_4 R_5 R_6 + C_6 R_4 R_5 R_5 R_$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_3}\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{C_2R_1R_2R_4R_5+C_2R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6}$ wo: $\frac{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_2C_6R_1R_2R_4R_5R_6+C_2C_6R_2R_3R_4R_5R_6}}$ bandwidth: $\frac{C_2R_1R_2R_4R_5+C_2R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6}}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_3}\sqrt{C_2C_6R_1R_2R_4R_5R_6+C_2C_6R_2R_3R_4R_5R_6}}}$ K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.22 LP-22
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s^2 \left(C_2 C_5 C_6 R_1 R_2 R_4 R_5 + C_2 C_5 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_2 C_6 R_1 R_2 R_4 + C_2 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_5 R_5 + C_5 C_6 R_5 R_5 R_5$

Parameters:

Wz: None

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_2R_1R_2R_4+C_2R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2C_5R_1R_2R_4+C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}}$ bandwidth: $\frac{C_2R_1R_2R_4+C_2R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2}C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4R_5}}$ K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}}$ K-HP: 0 K-BP: 0 Qz: None

7.23 LP-23
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$$

$$H(s) = \frac{R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^2 \left(C_2 C_6 R_1 R_2 R_5 R_6 + C_2 C_6 R_2 R_3 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6\right) + s \left(C_2 R_1 R_2 R_5 + C_4 R_2 R_3 R_5 + C_4 R_2 R_3 R_5 + C_6 R_1 R_5 R_6 - C_6 R_2 R_3 R_6 + C_6 R_2 R_5 R_6 + C_6 R_3 R_5 R_6\right)}$$

Q: $\frac{\sqrt{C_6}\sqrt{R_2}\sqrt{R_5}\sqrt{R_6}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_4R_2R_3R_5+C_6R_1R_5R_6-C_6R_2R_3R_6+C_6R_2R_5R_6+C_6R_3R_5R_6}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_2C_6R_1R_2R_5R_6+C_2C_6R_2R_3R_5R_6+C_4C_6R_2R_3R_5R_6}}$ bandwidth: $\frac{C_2R_1R_2R_5+C_2R_2R_3R_5+C_4R_2R_3R_5+C_6R_1R_5R_6-C_6R_2R_3R_6+C_6R_2R_5R_6+C_6R_3R_5R_6}{\sqrt{C_6}\sqrt{R_2}\sqrt{R_5}\sqrt{R_6}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_6R_1R_2R_5R_6+C_2C_6R_2R_3R_5R_6+C_4C_6R_2R_3R_5R_6}}$ K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0

K-BP: 0 Qz: None

7.24 LP-24 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s^2 \left(C_2 C_5 C_6 R_1 R_2 R_5 + C_2 C_5 C_6 R_2 R_3 R_5 + C_4 C_5 C_6 R_2 R_3 R_5\right) + s \left(C_2 C_6 R_1 R_2 + C_2 C_6 R_2 R_3 + C_4 C_6 R_2 R_3 + C_5 C_6 R_1 R_5 - C_5 C_6 R_2 R_3 + C_5 C_6 R_2 R_5 + C_5 C_6 R_5 R_5 + C_5 C_6 R_5$$

Parameters:

Wz: None

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{R_1+R_2+R_3}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_2C_5R_1R_2R_5+C_2C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ bandwidth: $\frac{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_5R_1R_2R_5+C_2C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

K-BP: 0 Qz: None

Wz: None

7.25 LP-25
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$$

 $R_1R_2R_4R_6$

 $\overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+s^{2}\left(C_{2}C_{6}R_{1}R_{2}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{4}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{4}R_{2}R_{3}R_{4}R_{5}+C_{6}R_{1}R_{4}R_{5}R_{6}+C_{6}R_{2}R_{3}R_{4}R_{5}+C_{6}R$

Parameters:

Q: $\frac{\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_2R_1} + C_2R_3 + C_4R_3}{\sqrt{R_1R_4R_5} - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{\sqrt{R_2R_1R_2R_4R_5 + C_2R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}$ wo: $\frac{\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{\sqrt{C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 + R_6}}}$ bandwidth: $\frac{C_2R_1R_2R_4R_5 + C_2R_2R_3R_4R_5 + C_4R_2R_3R_4R_5 + C_6R_2R_3R_4R_5 + C_6R_2R_3R_4R_5R_6}}{\sqrt{C_6\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_2}R_1 + C_2R_3 + C_4R_3}\sqrt{C_2C_6R_1R_2R_4R_5R_6 + C_2C_6R_2R_3R_4R_5R_6 + C_4C_6R_2R_3R_4R_5R_6}}}}}$ K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.26 LP-26 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_5R_1R_2R_4$ $H(s) = \frac{1}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_2C_5C_6R_1R_2R_4R_5 + C_2C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_$

Parameters:

 $\begin{array}{l} \text{Q:} \ \ \frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_2R_1R_2R_4+C_2R_2R_3R_4+C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5} \\ \text{wo:} \ \ \frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_2R_4R_5+C_5R_2R_3R_4+C_5R_3R_4+R_5+C_5R_2R_3R_4$

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K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4} K-HP: 0
K-BP: 0
Qz: None
Wz: None
```

7.27 LP-27
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4}{C_2 C_3 C_6 R_1 R_2 R_4 R_5 s^2 - C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s \left(C_2 C_6 R_2 R_4 R_5 + C_3 C_6 R_1 R_4 R_5 + C_3 C_6 R_2 R_4 R_5 \right)}$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$ K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.28 LP-28
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2}{C_2 C_3 C_6 R_1 R_2 R_5 s^2 - C_6 R_2 + C_6 R_5 + s \left(C_2 C_6 R_2 R_5 + C_3 C_6 R_1 R_5 + C_3 C_6 R_2 R_5 + C_4 C_6 R_2 R_5 \right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2+R_5}}{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_5}}$ K-LP: $-\frac{C_3R_1R_2}{C_6R_2-C_6R_5}$ K-HP: 0 K-BP: 0 Qz: None

7.29 LP-29
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3 R_1 R_2 R_4}{C_2 C_3 C_6 R_1 R_2 R_4 R_5 s^2 - C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s \left(C_2 C_6 R_2 R_4 R_5 + C_3 C_6 R_1 R_4 R_5 + C_3 C_6 R_2 R_4 R_5 + C_4 C_6 R_2 R_4 R_5 \right)}$

Parameters:

Wz: None

Wz: None

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4+R_2}{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}+C_4R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2}R_4+R_2R_5+R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}+C_4R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$ K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0 K-BP: 0 Qz: None

7.30 LP-30
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4}{-C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s^2 \left(C_2 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_2 C_6 R_2 R_4 R_5 + C_3 C_6 R_2 R_3 R_4 + C_3 C_6 R_2 R_3 R_5 + C_3 C_6 R_2 R_4 R_5 + C_3 C_6 R_4 R_5 + C_3 C_6 R_2 R_4 R_5 + C_3 C_6 R_4 R_5 + C_3 C_6 R_5 R_5 + C_5 C_6$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_2R_4R_5+C_2C_3R_2R_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_3R_1R_2R_4R_5+C_3R_3R_4R_5}}$ K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0

K-HP: 0 K-BP: 0

Qz: None Wz: None

7.31 LP-31 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3 R_1 R_2}{-C_6 R_2 + C_6 R_5 + s^2 \left(C_2 C_3 C_6 R_1 R_2 R_5 + C_2 C_3 C_6 R_2 R_3 R_5 + C_3 C_4 C_6 R_2 R_3 R_5\right) + s \left(C_2 C_6 R_2 R_5 + C_3 C_6 R_1 R_5 - C_3 C_6 R_2 R_3 + C_3 C_6 R_2 R_5 + C_3 C_6 R_3 R_5 + C_4 C_6 R_2 R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_3}\sqrt{R_2}\sqrt{R_5}\sqrt{-R_2+R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_2R_5+C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_2C_3R_1R_2R_5+C_2C_3R_2R_3R_5+C_3C_4R_2R_3R_5}}$ bandwidth: $\frac{C_2R_2R_5+C_3C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5}{\sqrt{C_3}\sqrt{R_2}\sqrt{R_2}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_3R_1R_2R_5+C_2C_3R_2R_3R_5+C_3C_4R_2R_3R_5}}$ K-LP: $-\frac{C_3R_1R_2}{C_6R_2-C_6R_5}$ K-HP: 0

K-BP: 0

Qz: None Wz: None

7.32 LP-32 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$

 $C_3R_1R_2R_4$ $H(s) = \frac{1}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_3R_4 + C$

Parameters:

 $\begin{array}{l} \text{Q:} \ \, \frac{\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5} \\ \text{wo:} \ \, \frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5+C_3C_4R_2R_3R_4R_5}} \\ \text{bandwidth:} \ \, \frac{C_2R_2R_4R_5+C_2C_3R_2R_3R_4R_5+C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5}{\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5+C_3C_4R_2R_3R_4R_5}} \\ \text{K-LP:} \ \, -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5} \\ \text{K-HP:} \ \, 0 \end{array}$

K-HP: 0 K-BP: 0

Qz: None

Wz: None

7.33 LP-33 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{R_2 R_4 R_6}{R_4 R_5 + s^2 \left(-C_1 C_6 R_2 R_3 R_4 R_6 + C_1 C_6 R_2 R_3 R_5 R_6 + C_1 C_6 R_2 R_4 R_5 R_6 + C_1 C_6 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 + C_6 R_4 R_5 R_6\right)}$$

$$Q: \frac{\sqrt{C_{1}}\sqrt{C_{6}}R_{2}R_{3}R_{4}^{\frac{3}{2}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{2}R_{3}\sqrt{R_{4}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{2}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{2}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{2}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{6}}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{-R_{2}R_{3}R_{5}+$$

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\frac{\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_6R_2R_3R_4R_6-C_1C_6R_2R_3R_4R_5-C_1R_2R_4R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_6R_4R_5R_6)}}{\sqrt{C_1}\sqrt{C_6}R_2R_3R_4^{\frac{3}{2}}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{1}{C_1C_6R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_2R_3\sqrt{R_4}R_5^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_2R_3^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_2R_3^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_2R_3^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_2R_3^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_2R_3^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_3R_4+R_2R_3R_5+R_2R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_3R_4+R_2R_3R_5+R_2R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_3R_4+R_2R_3R_5+R_2R_4R_5}}}-\sqrt{C_1}\sqrt{C_6}R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{C_1R_3R_4+R_2R_3R_5+R_2R_4R_5}}}}-\sqrt{C_1}\sqrt{C_1}\sqrt{C_1}\sqrt{C_1}\sqrt{C_1}\sqrt{C_1}}+\frac{1}{C_1}\sqrt
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7.34 LP-34 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_4}{-C_1 C_5 C_6 R_2 R_3 R_4 s^2 + C_6 R_4 + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_3 R_4\right)}$$

Parameters:

Qz: None Wz: None

Q:
$$-\frac{i\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}R_4}{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}$$
 wo: $\frac{i}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}{\sqrt{C_1}C_5R_2R_3R_4}$ K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.35 LP-35 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_4}{C_6 R_4 + s^2 \left(-C_1 C_5 C_6 R_2 R_3 R_4 + C_1 C_5 C_6 R_2 R_3 R_5 + C_1 C_5 C_6 R_2 R_4 R_5 + C_1 C_5 C_6 R_3 R_4 R_5\right) + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_3 R_4 + C_5 C_6 R_4 R_5\right)}$$

Parameters:

$$Q: \frac{-\sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}\sqrt{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}{\sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}\sqrt{R_{4}}R_{5}\sqrt{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{4}^{\frac{3}{2}}R_{5}\sqrt{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{4}^{\frac{3}{2}}R_{5}\sqrt{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{4}^{\frac{3}{2}}R_{5}\sqrt{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}^{\frac{3}{2}}R_{4}+C_{1}R_{3}R_{4}$$

7.36 LP-36
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{R_2 R_6}{C_1 C_4 R_2 R_3 R_5 s^2 + R_5 + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5\right)}$$

Q:
$$-\frac{\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}R_5}{\sqrt{C_1}R_2R_3-\sqrt{C_1}R_2R_5-\sqrt{C_1}R_3R_5}$$
 wo: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{\sqrt{C_1}R_2R_3-\sqrt{C_1}R_2R_5-\sqrt{C_1}R_3R_5}{\sqrt{C_1}C_4R_2R_3R_5}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.37 LP-37
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_2}{C_6 + s^2 \left(C_1 C_4 C_6 R_2 R_3 - C_1 C_5 C_6 R_2 R_3\right) + s \left(C_1 C_6 R_2 + C_1 C_6 R_3\right)}$$

$$\begin{array}{l} Q\colon \frac{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_2+\sqrt{C_1}R_3} \\ \text{wo: } \sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}} \\ \text{bandwidth: } \frac{\left(\sqrt{C_1}R_2+\sqrt{C_1}R_3\right)\sqrt{\frac{1}{C_1C_4R_2R_3}-C_1C_5R_2R_3}}{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}} \\ \text{K-LP: } \frac{C_5R_2}{C_6} \\ \text{K-HP: 0} \\ \text{K-BP: 0} \\ \text{Qz: None} \\ \text{Wz: None} \end{array}$$

7.38 LP-38
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{R_2 R_4 R_6}{C_1 C_4 R_2 R_3 R_4 R_5 s^2 + R_4 R_5 + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5\right)}$$

Parameters:

Q:
$$-\frac{\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}R_4R_5}{\sqrt{C_1}R_2R_3R_4-\sqrt{C_1}R_2R_3R_5-\sqrt{C_1}R_2R_4R_5-\sqrt{C_1}R_3R_4R_5}$$
 wo: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{\sqrt{C_1}R_2R_3R_4-\sqrt{C_1}R_2R_3R_5-\sqrt{C_1}R_2R_4R_5-\sqrt{C_1}R_3R_4R_5}{\sqrt{C_1}C_4R_2R_3R_4R_5}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.39 LP-39
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_2 R_4}{C_6 R_4 + s^2 \left(C_1 C_4 C_6 R_2 R_3 R_4 - C_1 C_5 C_6 R_2 R_3 R_4\right) + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_3 R_4\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}\\ \text{wo: } \sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}\\ \text{bandwidth: } \frac{\left(\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4\right)\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: } \frac{C_5R_2}{C_6}\\ \text{K-HP: } 0\\ \text{K-BP: } 0\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

7.40 LP-40
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{C_1 C_3 C_6 R_2 R_4 R_5 R_6 s^2 - C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(C_1 C_3 R_2 R_4 R_5 - C_1 C_6 R_2 R_4 R_6 + C_1 C_6 R_2 R_5 R_6 + C_1 C_6 R_4 R_5 R_6 + C_3 C_6 R_4 R_5 R_6 \right)}{C_1 C_3 C_6 R_2 R_4 R_5 R_6 s^2 - C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(C_1 C_3 R_2 R_4 R_5 - C_1 C_6 R_2 R_4 R_6 + C_1 C_6 R_2 R_5 R_6 + C_1 C_6 R_4 R_5 R_6 + C_1 C_6 R_4 R_5 R_6 \right)}$$

```
Q: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_3R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6}} wo: \frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}} bandwidth: \frac{C_1C_3R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6}{C_1C_3C_6R_2R_4R_5R_6}}
```

K-HP: 0 K-BP: 0 Qz: None Wz: None

7.41 LP-41 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_4}{C_1C_3C_5C_6R_2R_4R_5s^2 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}$ wo: $\frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{C_1C_3C_5R_2R_4R_5}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0 K-BP: 0

Qz: None Wz: None

7.42 LP-42 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$

 $C_3R_2R_6$ $H(s) = \frac{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6\right) + s\left(C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_6R_2R_6 + C_1C_6R_5R_6 + C_3C_6R_5R_6\right)}{-C_1R_2 + C_1R_5 + c_3R_5 + s^2\left(C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6\right) + s\left(C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_6R_2R_6 + C_1C_6R_5R_6 + C_3C_6R_5R_6\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_6}\sqrt{R_2}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3+C_4}\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6}}$ wo: $\frac{\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1C_3C_6R_2R_5R_6+C_1C_4C_6R_2R_5R_6}}$ bandwidth: $\frac{C_1C_3R_2R_5+C_1C_4C_6R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_2}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3+C_4}\sqrt{C_1C_3C_6R_2R_5R_6+C_1C_4C_6R_2R_5R_6}}}$ K-LP: $-\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}$ K-HP: 0

K-HP: 0 K-BP: 0 Qz: None Wz: None

7.43 LP-43 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5\right) + s\left(C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_1C_5C_6R_5 + C_3C_5C_6R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_1+C_3}\sqrt{C_3+C_4}}{C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}$ wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1C_3C_5R_2R_5+C_1C_4C_5R_2R_5}}$ bandwidth: $\frac{C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_3C_5R_2R_5+C_1C_4C_5R_2R_5}}$ K-LP: $\frac{C_3C_5R_2}{C_1C_6+C_3C_6}$ K-HP: 0

K-BP: 0 Qz: None Wz: None

7.44 LP-44
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$C_3R_2R_4R_6$$

 $H(s) = \frac{1}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_6R_2R_4R_5R_6 + C_1C_4C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_5 + C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_5 + C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_5 + C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_6R_4R_5R_6 + C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_4R_5 - C_1C_6R_4R_5R_6 + C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_4R_5 - C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_4R_5R_6\right) + s\left(C_1C_3R_4R_5$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3} + C_4\sqrt{-C_1R_2R_4} + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5}{C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_4R_5R_6 + C_3C_6R_4R_5R_6}$ wo: $\frac{\sqrt{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5}}{\sqrt{C_1C_3C_6R_2R_4R_5R_6 + C_1C_6R_2R_4R_5R_6}}$ bandwidth: $\frac{C_1C_3R_2R_4R_5R_6 + C_1C_4R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_4R_5R_6 + C_3C_6R_4R_5R_6}}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3} + C_4\sqrt{C_1C_3C_6R_2R_4R_5R_6} + C_1C_4C_6R_2R_4R_5R_6}}$ K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4 - C_1R_2R_5 - C_1R_4R_5 - C_3R_4R_5}}{C_1R_4R_5 - C_3R_4R_5}$ K-HP: 0

K-HP: 0 K-BP: 0 Qz: None Wz: None

7.45 LP-45 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & R_5 + \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{1}{C_1 C_6 R_2 + C_1 C_6 R_4 + C_3 C_6 R_4 + s^2 \left(C_1 C_3 C_5 C_6 R_2 R_4 R_5 + C_1 C_4 C_5 C_6 R_2 R_4 R_5\right) + s \left(C_1 C_3 C_6 R_2 R_4 + C_1 C_4 C_6 R_2 R_4 + C_1 C_5 C_6 R_2 R_4 + C_1 C_5 C_6 R_2 R_5 + C_1 C_5 C_6 R_4 R_5 + C_1 C_5 C_6 R_4 R_5\right)}$

Parameters:

wo: $\frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_3C_5R_2R_4R_5+C_1C_4C_5R_2R_4R_5}}$ bandwidth: $\frac{C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_3C_5R_2R_4R_5+C_1C_4C_5R_2R_4R_5}}$ K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.46 LP-46 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_3R_2R_4R_6$

 $\overline{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(-C_1C_3C_6R_2R_3R_4R_6 + C_1C_3C_6R_2R_3R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_3R_3R_5 + C_1C_3R_3R_5 + C_1C_3R$

Parameters:

 $\overline{\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{6}}R_{2}R_{3}R_{4}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{6}}R_{2}R_{3}R_{5}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{6}}R_{2}R_{3}R_{5}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{3}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} + \frac{C_{1}R_{2}R_{3}R_$

K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$

K-HP: 0 K-BP: 0

Qz: None

Wz: None

7.47 LP-47 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $\frac{-C_1C_3C_5C_6R_2R_3R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_2R_4\right)}{-C_1C_3C_5C_6R_2R_3R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_2R_4\right)}$

Parameters:

 $\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}$ $\frac{\sqrt{C_1C_3R_2R_3} + \sqrt{C_1C_3R_2}R_4 + \sqrt{C_1}C_3R_3R_4 - \sqrt{C_1}C_5R_2R_4}{\sqrt{-C_1R_2 - C_1R_4 - C_3R_4}} \frac{\sqrt{-C_1R_2 - C_1R_4 - C_3R_4}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$

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bandwidth: \frac{i\sqrt{-C_1R_2-C_1R_4-C_3R_4}\left(\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4-\sqrt{C_1}C_5R_2R_4\right)}{\sqrt{C_1}C_3C_5R_2R_4}}{\sqrt{C_1}C_3C_5R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}} K-LP: \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4} K-HP: 0 K-BP: 0 Qz: None Wz: None
```

7.48 LP-48
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(-C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_5C_6R_5R_$

Parameters:

$$Q: \frac{-\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_3R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt$$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0 K-BP: 0

Qz: None Wz: None

7.49 LP-49
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_2 R_6}{C_1 C_3 C_4 R_2 R_3 R_5 s^2 - C_1 R_2 + C_1 R_5 + C_3 R_5 + s \left(-C_1 C_3 R_2 R_3 + C_1 C_3 R_2 R_5 + C_1 C_3 R_3 R_5 + C_1 C_4 R_2 R_5 \right)}$$

Parameters:

Q:
$$-\frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1C_3}R_2R_3-\sqrt{C_1C_3}R_2R_5-\sqrt{C_1}C_3R_3R_5-\sqrt{C_1}C_4R_2R_5}$$
 wo: $\frac{\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $-\frac{\sqrt{C_1C_3}R_2R_3-\sqrt{C_1}C_3R_2R_5-\sqrt{C_1}C_3R_3R_5-\sqrt{C_1}C_4R_2R_5}}{\sqrt{C_1C_3}C_4R_2R_3R_5}$ K-LP: $-\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.50 LP-50
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2\right)}$$

$$\begin{array}{l} Q\colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_2+\sqrt{C_1}C_3R_3+\sqrt{C_1}C_4R_2-\sqrt{C_1}C_5R_2}\\ \text{wo: } \sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_3C_4R_2R_3-C_1C_3C_5R_2R_3}}\\ \text{bandwidth: } \frac{\sqrt{C_1+C_3}\left(\sqrt{C_1}C_3R_2+\sqrt{C_1}C_3R_3+\sqrt{C_1}C_4R_2-\sqrt{C_1}C_5R_2\right)\sqrt{\frac{1}{C_1C_3C_4R_2R_3-C_1C_3C_5R_2R_3}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: } \frac{C_3C_5R_2}{C_1C_6+C_3C_6}\\ \text{K-HP: 0}\\ \text{K-BP: 0}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

7.51 LP-51
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{C_1 C_3 C_4 R_2 R_3 R_4 R_5 s^2 - C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(-C_1 C_3 R_2 R_3 R_4 + C_1 C_3 R_2 R_3 R_5 + C_1 C_3 R_2 R_4 R_5 + C_1 C_3 R_2 R_5 + C_1 C_3 R_2 R_5 + C_1 C_3 R_2 R_5 + C_1 C_3 R_5 R_5 + C$$

 $\begin{array}{l} Q: -\frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1}C_3R_2R_3R_4-\sqrt{C_1}C_3R_2R_3R_5-\sqrt{C_1}C_3R_2R_4R_5-\sqrt{C_1}C_3R_3R_4R_5-\sqrt{C_1}C_4R_2R_4R_5}}\\ wo: \frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}}\\ bandwidth: -\frac{\sqrt{C_1C_3R_2R_3R_4-\sqrt{C_1}C_3R_2R_3R_5-\sqrt{C_1}C_3R_2R_4R_5-\sqrt{C_1}C_3R_3R_4R_5-\sqrt{C_1}C_4R_2R_4R_5}}{\sqrt{C_1}C_3C_4R_2R_3R_4R_5}}\\ K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}}{K-HP: 0}\\ K-BP: 0\\ Qz: None\\ Wz: None \end{array}$

7.52 LP-52
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_4C_6R_2R_3R_4 - C_1C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4}R_2R_4-\sqrt{C_1}C_5R_2R_4} \\ \text{wo: } \sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4-C_1C_3C_5R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}(\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4R_2R_4-\sqrt{C_1}C_5R_2R_4)\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4-C_1C_3C_5R_2R_3R_4}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}} - \sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}} \\ \text{K-LP: } \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}} \\ \text{K-HP: 0} \\ \text{K-BP: 0} \\ \text{Qz: None} \\ \text{Wz: None} \\ \\ \text{Wz: None} \\ }$$

7.53 LP-53
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4 + s^2 \left(C_1 C_2 C_6 R_3 R_4 R_6 - C_1 C_5 C_6 R_3 R_4 R_6\right) + s \left(C_1 C_2 R_3 R_4 - C_1 C_5 R_3 R_4 + C_1 C_6 R_3 R_6 + C_1 C_6 R_4 R_6 + C_2 C_6 R_4 R_6\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_{1}}C_{2}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}{C_{1}C_{2}R_{3}R_{4}-C_{1}C_{5}R_{3}R_{4}+C_{1}C_{6}R_{3}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{2}C_{6}R_{4}R_{6}}$$

$$\text{wo: }\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}R_{6}}}$$

$$\text{bandwidth: }\frac{\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}(C_{1}C_{2}R_{3}R_{4}-C_{1}C_{5}R_{3}R_{4}+C_{1}C_{6}R_{3}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{2}C_{6}R_{4}R_{6})\sqrt{\frac{1}{C_{1}C_{2}C_{6}R_{3}R_{4}R_{6}-C_{1}C_{5}C_{6}R_{3}R_{4}R_{6}}}}{\sqrt{C_{1}C_{2}\sqrt{C_{6}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}-\sqrt{C_{1}C_{5}\sqrt{C_{6}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}}}$$

$$K-LP: \frac{C_{5}R_{4}R_{6}}{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}{\sqrt{C_{1}C_{3}\sqrt{C_{6}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}}}$$

$$K-HP: 0$$

$$Qz: \text{ None}$$

$$Wz: \text{ None}$$

7.54 LP-54
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 C_2 C_5 R_3 R_4 R_5 s^2 + C_1 R_3 + C_1 R_4 + C_2 R_4 + s \left(C_1 C_2 R_3 R_4 - C_1 C_5 R_3 R_4 + C_1 C_5 R_3 R_5 + C_1 C_5 R_4 R_5 + C_2 C_5 R_4 R_5 \right)}$$

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Q: \frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_3+C_1R_4+C_2R_4}}{C_1C_2R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5} wo: \frac{\sqrt{C_1R_3+C_1R_4+C_2R_4}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}} bandwidth: \frac{C_1C_2R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}{C_1C_2C_5R_3R_4R_5} K-LP: \frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4} K-HP: 0 K-BP: 0 Qz: None
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7.55 LP-55
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_6}{C_1 + C_2 + s^2 \left(C_1 C_2 C_6 R_3 R_6 + C_1 C_4 C_6 R_3 R_6 - C_1 C_5 C_6 R_3 R_6\right) + s \left(C_1 C_2 R_3 + C_1 C_4 R_3 - C_1 C_5 R_3 + C_1 C_6 R_6 + C_2 C_6 R_6\right)}$$

Wz: None

$$Q \colon \frac{\sqrt{C_1}C_2\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1C_2R_3+C_1C_4R_3-C_1C_5R_3+C_1C_6R_6+C_2C_6R_6} \\ \text{wo: } \sqrt{C_1+C_2}\sqrt{\frac{1}{C_1C_2C_6R_3R_6+C_1C_4C_6R_3R_6-C_1C_5C_6R_3R_6}} \\ \text{bandwidth: } \frac{\sqrt{C_1+C_2}(C_1C_2R_3+C_1C_4R_3-C_1C_5R_3+C_1C_6R_6+C_2C_6R_6)\sqrt{\frac{1}{C_1C_2C_6R_3R_6+C_1C_4C_6R_3R_6-C_1C_5C_6R_3R_6}}}{\sqrt{C_1C_2\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1}C_4\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1}C_5\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2+C_4-C_5}}} \\ \text{K-LP: } \frac{C_5R_6}{C_1+C_2} \\ \text{K-HP: 0} \\ \text{K-BP: 0} \\ \text{Qz: None} \\ \text{Wz: None} \\ \end{aligned}$$

7.56 LP-56
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_6}{C_1 + C_2 + s^2 \left(C_1 C_2 C_5 R_3 R_5 + C_1 C_4 C_5 R_3 R_5\right) + s \left(C_1 C_2 R_3 + C_1 C_4 R_3 - C_1 C_5 R_3 + C_1 C_5 R_5 + C_2 C_5 R_5\right)}$$

Parameters:

7.57 LP-57
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4 + s^2 \left(C_1 C_2 C_6 R_3 R_4 R_6 + C_1 C_4 C_6 R_3 R_4 R_6 - C_1 C_5 C_6 R_3 R_4 R_6\right) + s \left(C_1 C_2 R_3 R_4 + C_1 C_4 R_3 R_4 - C_1 C_5 R_3 R_4 + C_1 C_6 R_3 R_6 + C_1 C_6 R_4 R_6 + C_2 C_6 R_4 R_6\right)}$$

$$Q\colon \frac{\sqrt{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}{\frac{C_{1}C_{2}R_{3}R_{4}+C_{1}C_{5}R_{3}R_{4}+C_{1}C_{5}R_{3}R_{4}+C_{1}C_{6}R_{3}R_{6}+C_{1}C_{6}R_{4}R_{6}}}{\frac{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}{C_{1}C_{2}C_{6}R_{3}R_{4}R_{6}}+C_{1}C_{5}C_{6}R_{3}R_{4}R_{6}}}}}}$$
bandwidth:
$$\frac{\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}C_{6}R_{3}R_{4}R_{6}}+C_{1}C_{5}C_{6}R_{3}R_{4}R_{6}}}}{\sqrt{C_{1}C_{2}\sqrt{C_{6}\sqrt{R_{3}}\sqrt{R_{4}\sqrt{R_{6}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}+\sqrt{C_{1}C_{4}\sqrt{C_{6}\sqrt{R_{3}}\sqrt{R_{4}\sqrt{R_{6}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}}}$$

$$\times LP: \frac{C_{5}R_{4}R_{6}}{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{C_{6}\sqrt{R_{3}}\sqrt{R_{4}\sqrt{R_{6}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}}{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}+\sqrt{C_{1}C_{4}\sqrt{C_{6}\sqrt{R_{3}\sqrt{R_{4}\sqrt{R_{6}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}}}$$

$$K-LP: \frac{C_{5}R_{4}R_{6}}{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{C_{6}\sqrt{R_{3}\sqrt{R_{4}\sqrt{R_{6}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{C_{6}\sqrt{R_{3}\sqrt{R_{4}\sqrt{R_{6}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}}}$$

$$K-LP: \frac{C_{5}R_{4}R_{6}}{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}}{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}}$$

$$K-HP: 0$$

$$K-BP: 0$$

Qz: None Wz: None

7.58 LP-58
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4 + s^2 \left(C_1 C_2 C_5 R_3 R_4 R_5 + C_1 C_4 C_5 R_3 R_4 R_5\right) + s \left(C_1 C_2 R_3 R_4 + C_1 C_4 R_3 R_4 - C_1 C_5 R_3 R_4 + C_1 C_5 R_3 R_5 + C_1 C_5 R_4 R_5 + C_2 C_5 R_4 R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{C_1R_3+C_1R_4+C_2R_4}}{C_1C_2R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}$ wo: $\frac{\sqrt{C_1R_3+C_1R_4+C_2R_4}}{\sqrt{C_1C_2C_5R_3R_4R_5+C_1C_4C_5R_3R_4R_5}}$ bandwidth: $\frac{C_1C_2R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{C_1C_2C_5R_3R_4R_5+C_1C_4C_5R_3R_4R_5}}$ K-LP: $\frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.59 LP-59
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_4 R_6}{-C_1 R_4 + C_1 R_5 + s^2 \left(C_1 C_2 C_6 R_4 R_5 R_6 + C_1 C_3 C_6 R_4 R_5 R_6 + C_2 C_3 C_6 R_4 R_5 R_6\right) + s \left(C_1 C_2 R_4 R_5 + C_1 C_3 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 + C_2 C_3 R_4 R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}}{C_1C_2R_4R_5+C_1C_3R_4R_5-C_1C_6R_4R_6+C_1C_6R_5R_6+C_2C_3R_4R_5}}$ wo: $\frac{\sqrt{-C_1R_4+C_1R_5}}{\sqrt{C_1C_2C_6R_4R_5R_6+C_1C_3C_6R_4R_5R_6+C_2C_3C_6R_4R_5R_6}}$ bandwidth: $\frac{\sqrt{-C_1R_4+C_1R_5}(C_1C_2R_4R_5+C_1C_3R_4R_5-C_1C_6R_4R_6+C_1C_6R_5R_6+C_2C_3R_4R_5)}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_6R_4R_5R_6+C_1C_3C_6R_4R_5R_6+C_2C_3C_6R_4R_5R_6}}$ K-LP: $\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.60 LP-60
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}}{C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}$ wo: $\frac{\sqrt{C_1}}{\sqrt{C_1C_2C_5R_4R_5+C_1C_3C_5R_4R_5}}$ bandwidth: $\frac{C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_5R_4R_5+C_1C_3C_5R_4R_5}+C_2C_3C_5R_4R_5}$ K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-HP: 0
K-DD. 0

K-BP: 0

Qz: None

Wz: None

7.61 LP-61
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_6}{-C_1 + s^2 \left(C_1 C_2 C_6 R_5 R_6 + C_1 C_3 C_6 R_5 R_6 + C_1 C_4 C_6 R_5 R_6 + C_2 C_3 C_6 R_5 R_6\right) + s \left(C_1 C_2 R_5 + C_1 C_3 R_5 + C_1 C_4 R_5 - C_1 C_6 R_6 + C_2 C_3 R_5\right)}$$

wo: $\frac{i\sqrt{C_1}}{\sqrt{C_1C_2C_6R_5R_6+C_1C_3C_6R_5R_6+C_1C_4C_6R_5R_6+C_2C_3C_6R_5R_6}}$ bandwidth: $\frac{C_1C_2R_5+C_1C_3R_5+C_1C_4R_5-C_1C_6R_6+C_2C_3R_5}{\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_6R_5R_6+C_1C_3C_6R_5R_6+C_1C_5C_6R_5R_6+C_1C_5C_6R_5R_6+C_1C_5C_6R_5R_6+C_1C_5C_6R_5R_6+C_1C_5C_6R_5R_6+C_1C_5C_6R_5R_6+C_1C_5C_6R_5R_6+C_1C_$

K-HP: 0 K-BP: 0 Qz: None Wz: None

7.62 LP-62 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{c_3 c_3 c_4 c_6}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3 + s^2 \left(C_1 C_2 C_5 C_6 R_5 R_6 + C_1 C_3 C_5 C_6 R_5 R_6 + C_2 C_3 C_5 C_6 R_5 R_6\right) + s \left(C_1 C_2 C_5 R_5 + C_1 C_3 C_6 R_6 + C_1 C_4 C_5 R_5 + C_1 C_4 C_6 R_6 + C_1 C_4 C_5 R_6 + C_2 C_3 C_5 R_5 + C_1 C_4 C_6 R_6 + C_1 C_4 C_5 R_6 + C_1 C_5$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{C_1C_2C_5R_5+C_1C_2C_6R_6+C_1C_3C_5R_5+C_1C_3C_6R_6+C_1C_4C_5R_5+C_1C_4C_6R_6-C_1C_5C_6R_6+C_2C_3C_5R_5+C_2C_3C_6R_6}$ wo: $\frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_1C_2C_5C_6R_5R_6+C_1C_3C_5C_6R_5R_6+C_2C_3C_5C_6R_5R_6}}$ bandwidth: $\frac{C_1C_2C_5R_5+C_1C_2C_6R_6+C_1C_3C_5R_5R_6+C_2C_3C_5C_6R_5R_6}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_5C_6R_5R_6+C_1C_3C_5R_5R_6+C_1C_3C_5C_6R_5R_6+C_1C_3C_5C_5C_6R_5R_6+C_1C_3C_5C$

K-BP: 0 Qz: None

Wz: None

7.63 LP-63 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_6R_4R_5R_6 + C_1C_3C_6R_4R_5R_6 + C_2C_3C_6R_4R_5R_6\right) + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_6R_4R_6 + C_1C_6R_5R_6 + C_2C_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1C_2R_4R_5+C_1C_3R_4R_5+C_1C_4R_4R_5-C_1C_6R_4R_6+C_1C_6R_5R_6+C_2C_3R_4R_5}$ wo: $\frac{\sqrt{-C_1R_4+C_1R_5}}{\sqrt{C_1C_2C_6R_4R_5R_6+C_1C_3C_6R_4R_5R_6+C_1C_4C_6R_4R_5R_6+C_2C_3C_6R_4R_5R_6}}$ bandwidth: $\frac{\sqrt{-C_1R_4+C_1R_5}(C_1C_2R_4R_5+C_1C_3R_4R_5+C_1C_4R_4R_5-C_1C_6R_4R_6+C_1C_6R_5R_6+C_2C_3R_4R_5)}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_6R_4R_5R_6+C_1C_3C_6R_4R_5R_6+C_1C_4C_6R_4R_5R_6+C_2C_3C_6R_4R_5R_6}}$ K-LP: $-\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.64 LP-64 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1C_2R_4+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4} \\ \text{W0:} \quad \frac{\sqrt{C_1}}{\sqrt{C_1C_2C_5R_4R_5+C_1C_3C_5R_4R_5+C_1C_4C_5R_4R_5+C_2C_3C_5R_4R_5}} \\ \text{bandwidth:} \quad \frac{C_1C_2R_4+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_5R_4R_5+C_1C_3C_5R_4R_5+C_1C_4C_5R_4R_5+C_2C_3C_5R_4R_5}} \\ \end{array}$

```
K-LP: \frac{C_3C_5R_4}{C_1C_6}
K-HP: 0
K-BP: 0
Qz: None
Wz: None
```

7.65 LP-65
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_4 R_6}{C_1 C_2 C_3 R_3 R_4 R_5 s^2 - C_1 R_4 + C_1 R_5 + s \left(C_1 C_2 R_4 R_5 - C_1 C_3 R_3 R_4 + C_1 C_3 R_3 R_5 + C_1 C_3 R_4 R_5 + C_2 C_3 R_4 R_5 \right)}$$

7.66 LP-66
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

7.67 LP-67
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_6}{-C_1 + s^2 \left(C_1 C_2 C_3 R_3 R_5 + C_1 C_3 C_4 R_3 R_5\right) + s \left(C_1 C_2 R_5 - C_1 C_3 R_3 + C_1 C_3 R_5 + C_1 C_4 R_5 + C_2 C_3 R_5\right)}$$

Parameters:

7.68 LP-68
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_6R_3R_6 + C_1C_3C_4C_6R_3R_6 - C_1C_3C_5C_6R_3R_6\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_6R_6 + C_1C_3C_4R_3 - C_1C_3C_5R_3 + C_1C_3C_6R_6 + C_1C_4C_6R_6 - C_1C_5C_6R_6 + C_2C_3C_6R_6\right)}$$

 $\frac{\sqrt{\frac{c_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}}{c_{1}c_{2}c_{2}c_{3}c_{6}c_{8}c_{8}c_{6}-c_{1}c_{3}c_{5}c_{6}c_{8}c_{8}}}(c_{1}c_{2}c_{3}c_{4}c_{6}+c_{1}c_{3}c_{4}c_{6}+c_{1}c_{3}c_{5}c_{6}c_{8}c_{8}}(c_{1}c_{2}c_{3}c_{6}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{8}c_{6}}(c_{1}c_{2}c_{3}c_{6}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{8}+c_{1}c_{3}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}c_{6}+c_{1}c_{5}c_{6}+c_{1}c_{5}c_{6}+c_{1}c_{5}+c_{1}c_{5}c_{6}+c_{1}c_{5}+c_{1}c_{5}c_{6}+c_{1}c_{5}+c$

K-BP: 0 Qz: None Wz: None

7.69 LP-69 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_5R_3R_5 + C_1C_3C_4C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_5R_5 + C_1C_3C_4R_3 - C_1C_3C_5R_3 + C_1C_3C_5R_5 + C_1C_4C_5R_5 + C_2C_3C_5R_5\right)}$$

Parameters:

K-BP: 0 Qz: None Wz: None

7.70 LP-70 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_4 R_6}{-C_1 R_4 + C_1 R_5 + s^2 \left(C_1 C_2 C_3 R_3 R_4 R_5 + C_1 C_3 C_4 R_3 R_4 R_5\right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_3 R_3 R_4 + C_1 C_3 R_3 R_5 + C_1 C_3 R_4 R_5 + C_1 C_4 R_4 R_5 + C_2 C_3 R_4 R_5\right)}$$

Parameters:

bandwidth: $\frac{C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 + C_2C_3R_4R_5}{C_1\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2 + C_4}\sqrt{C_2C_3R_3R_4R_5 + C_3C_4R_3R_4R_5}}$

K-LP: $-\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: 0

K-BP: 0 Qz: None

Wz: None

7.71 LP-71 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_3R_4 + C_1C_3C_4C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

 $Q: \frac{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} + C_1\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} - C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4}$

wo:
$$\sqrt{\frac{1}{C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}$$
 bandwidth:
$$\frac{(C_1C_2R_4+C_1C_3R_3+C_1C_3R_4+C_1C_5R_4+C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}}{\frac{1}{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}+C_1\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}-C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}}{K-LP: \frac{C_3C_5R_4}{C_1C_6}}$$
 K-HP: 0 K-BP: 0 Qz: None

7.72 LP-72
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6\right)$$

$$H(s) = \frac{R_2 R_4 R_6}{C_1 C_2 R_2 R_3 R_4 R_5 s^2 + R_4 R_5 + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 + C_2 R_2 R_4 R_5\right)}$$

Wz: None

Q:
$$-\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{R_2}\sqrt{R_3}R_4R_5}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5}$$
 wo: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5}{C_1C_2R_2R_3R_4R_5}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.73 LP-73
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_2 R_4}{C_6 R_4 + s^2 \left(C_1 C_2 C_6 R_2 R_3 R_4 - C_1 C_5 C_6 R_2 R_3 R_4\right) + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_3 R_4 + C_2 C_6 R_2 R_4\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}-C_{5}}}}{C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{\sqrt{C_{1}}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}-C_{5}}}}\\ \text{K-LP: } \frac{C_{5}R_{2}}{C_{6}}\\ \text{K-HP: } 0\\ \text{K-BP: } 0\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

7.74 LP-74
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{R_2 R_6}{R_5 + s^2 \left(C_1 C_2 R_2 R_3 R_5 + C_1 C_4 R_2 R_3 R_5\right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_2 R_2 R_5\right)}$$

Q:
$$-\frac{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_5\sqrt{C_2+C_4}}{C_1R_2R_3-C_1R_2R_5-C_1R_3R_5-C_2R_2R_5}$$
 wo: $\frac{1}{\sqrt{C_1C_2R_2R_3+C_1C_4R_2R_3}}$ bandwidth: $-\frac{C_1R_2R_3-C_1R_2R_5-C_1R_3R_5-C_2R_2R_5}{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_5\sqrt{C_2+C_4}\sqrt{C_1C_2R_2R_3+C_1C_4R_2R_3}}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.75 LP-75
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_2}{C_6 + s^2 \left(C_1 C_2 C_6 R_2 R_3 + C_1 C_4 C_6 R_2 R_3 - C_1 C_5 C_6 R_2 R_3 \right) + s \left(C_1 C_6 R_2 + C_1 C_6 R_3 + C_2 C_6 R_2 \right)}$$

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}{C_{1}R_{2}+C_{1}R_{3}+C_{2}R_{2}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}+C_{1}R_{3}+C_{2}R_{2})\sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}{\sqrt{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}\\ \text{K-LP: } \frac{C_{5}R_{2}}{C_{6}}\\ \text{K-HP: } 0\\ \text{K-BP: } 0\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

7.76 LP-76
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{R_2 R_4 R_6}{R_4 R_5 + s^2 \left(C_1 C_2 R_2 R_3 R_4 R_5 + C_1 C_4 R_2 R_3 R_4 R_5\right) + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 + C_2 R_2 R_4 R_5\right)}$$

Parameters:

Q:
$$-\frac{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{C_2+C_4}}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5}$$
 wo: $\frac{1}{\sqrt{C_1C_2R_2R_3+C_1C_4R_2R_3}}$ bandwidth: $-\frac{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5}{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{C_2+C_4}\sqrt{C_1C_2R_2R_3+C_1C_4R_2R_3}}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.77 LP-77
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_2 R_4}{C_6 R_4 + s^2 \left(C_1 C_2 C_6 R_2 R_3 R_4 + C_1 C_4 C_6 R_2 R_3 R_4 - C_1 C_5 C_6 R_2 R_3 R_4\right) + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_3 R_4 + C_2 C_6 R_2 R_4\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}\\ & C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}\\ \text{Wo: } \sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}{\sqrt{C_{1}}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}\\ \text{K-LP: } \frac{C_{5}R_{2}}{C_{6}}\\ \text{K-HP: } 0\\ \text{K-BP: } 0\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

7.78 LP-78
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{-C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s^2 \left(C_1 C_2 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_6 R_2 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_4 R_5 R_6 \right) + s \left(C_1 C_2 R_2 R_4 R_5 + C_1 C_6 R_2 R_4 R_6 + C_1 C_6 R_2 R_5 R_6 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_4 R_5 R_6 + C_1 C_6 R_5 R_6 + C_$$

Q: $\frac{\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_2R_2R_4R_5+C_1C_3R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_2C_3R_2R_4R_5+C_3C_6R_4R_5R_6}$ wo: $\frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1C_2C_6R_2R_4R_5R_6+C_1C_3C_6R_2R_4R_5}R_6+C_2C_3C_6R_2R_4R_5R_6}}$ bandwidth: $\frac{C_1C_2R_2R_4R_5+C_1C_3R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_2C_3R_2R_4R_5+C_3C_6R_4R_5R_6}}{\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_1C_2+C_1}C_3+C_2C_3\sqrt{C_1C_2C_6R_2R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6+C_2C_3C_6R_2R_4R_5R_6}}}$ K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}}$ K-HP: 0 K-BP: 0 Qz: None

7.79 LP-79 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_3C_5R_2R_4$ $H(s) = \frac{1}{C_1 C_6 R_2 + C_1 C_6 R_4 + C_3 C_6 R_4 + s^2 \left(C_1 C_2 C_5 C_6 R_2 R_4 R_5 + C_1 C_3 C_5 C_6 R_2 R_4 R_5 + C_2 C_3 C_5 C_6 R_2 R_4 R_5 + s^2 \left(C_1 C_2 C_6 R_2 R_4 + C_1 C_5 C_6 R_4 R_5 + C_1 C_5 C_6 R_4 R_$

Parameters:

Wz: None

wo: $\frac{\sqrt{C_1}R_2 + C_1R_4 + C_3R_4}{\sqrt{C_1C_2C_5}R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_2C_3C_5R_2R_4R_5}}{\frac{C_1C_2R_2R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_2C_3R_2R_4 + C_3C_5R_4R_5}{\sqrt{C_3C_3C_3R_2C_4C_2C_3C_5R_2R_4}}}$ bandwidth: $\frac{C_1C_2R_2R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_2C_3R_2R_4 + C_3C_5R_4R_5}{\sqrt{C_3C_5}R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_2C_3C_5R_2R_4R_5}}$ K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4}}$ K-HP: 0

K-BP: 0 Qz: None Wz: None

7.80 LP-80 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_3R_2R_6$ $H(s) = \frac{1}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_6R_2R_5R_6 + C_1C_3C_6R_2R_5R_6 + C_2C_3C_6R_2R_5R_6\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_6R_2R_6 + C_1C_6R_5R_6 + C_2C_3R_2R_5 + C_3C_6R_2R_5R_6\right)}$

Parameters:

Q: $\frac{\sqrt{C_6}\sqrt{R_2}\sqrt{R_5}\sqrt{R_6}\sqrt{-C_1R_2+C_1R_5+C_3R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1C_2R_2R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_2C_3R_2R_5+C_3C_6R_5R_6}$ wo: $\frac{\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1C_2C_6R_2R_5R_6+C_1C_3C_6R_2R_5R_6+C_1C_4C_6R_2R_5R_6+C_2C_3C_6R_2R_5R_6}}$ bandwidth: $\frac{C_1C_2R_2R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_2C_3R_2R_5+C_3C_6R_5R_6}{\sqrt{C_6}\sqrt{R_2}\sqrt{R_5}\sqrt{R_5}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_6R_2R_5R_6+C_1C_3C_6R_2R_5R_6+C_1C_4C$

K-HP: 0 K-BP: 0

Qz: None Wz: None

7.81 LP-81 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5 + \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

 $C_3C_5R_2$ $H(s) = \frac{1}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_2C_3C_5C_6R_2R_5\right) + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_3C_6R_2 + C_1C_5C_6R_2 + C_1C_5$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_1+C_3}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1C_2R_2+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_2C_3R_2+C_3C_5R_5}$ wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1+C_3}}$

wo: $\frac{\sqrt{C_1 + C_3}}{\sqrt{C_1 C_2 C_5 R_2 R_5 + C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_2 R_5 + C_2 C_3 C_5 R_2 R_5}}$ bandwidth: $\frac{C_1 C_2 R_2 + C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_1 C_5 R_5 + C_2 C_3 R_2 + C_3 C_5 R_5}{\sqrt{C_5} \sqrt{R_2} \sqrt{R_5} \sqrt{C_1 C_2 + C_1 C_3 + C_1 C_4 + C_2 C_3} \sqrt{C_1 C_2 C_5 R_2 R_5 + C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_5 R_5 + C_1 C_5 R_$

K-BP: 0 Qz: None Wz: None

7.82 LP-82
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $C_3R_2R_4R_6$ $\overline{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + c_1C_4C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_4C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_1C_4R_2R_4R_5 + C_1C_4R_4R_5R_5 + C_1C_4R_5R_5R_5 + C_1C_4R_5R_5R_5 + C_1C_4R_5R_5R_5 + C_1C_4R_5R_5R_5 + C_1C_4R_5R_5R_5 + C_1C_4R_5R_5R_5 + C_1C_4R$

Parameters:

 $\begin{array}{l} \text{Q:} \ \frac{\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_2R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_4R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_2C_3R_2R_4R_5+C_3C_6R_4R_5R_6}}\\ \text{wo:} \ \frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1C_2C_6R_2R_4R_5R_6+C_1C_3C_6R_2R_4R_5+C_1C_4C_6R_2R_4R_5R_6}}\\ \text{bandwidth:} \ \frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_1C_4C_6R_2R_4R_5R_6+C_2C_3C_6R_2R_4R_5R_6}}{\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_6R_2R_4R_5R_6+C_1C_6R_4R_5R_6+C_2C_3R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_6R_2R_4R_5R_6+C_1C_3C_6R_2$

K-BP: 0

Qz: None Wz: None

7.83 LP-83 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & R_5 + \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

 $\frac{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1$

Parameters:

 $Q\colon \frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}{C_1C_2R_2R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_2C_3R_2R_4 + C_3C_5R_4R_5}}{Wo: \frac{\sqrt{C_1R_2} + C_1R_4 + C_3R_4}{\sqrt{C_1C_2C_5R_2R_4} + C_1C_5R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_4R_5}}{\frac{C_1C_2R_2R_4 + C_1C_3C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5 + C_2C_3C_5R_2R_4R_5}{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2} + C_1C_3R_2R_4 + C_1C_5R_2R_4 +$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: 0 Qz: None

Wz: None

7.84 LP-84 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

 $H(s) = \frac{1}{C_1 C_2 C_3 R_2 R_3 R_4 R_5 s^2 - C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(C_1 C_2 R_2 R_4 R_5 - C_1 C_3 R_2 R_3 R_4 + C_1 C_3 R_2 R_3 R_5 + C_1 C_3 R_2 R_4 R_5 + C_1 C_3 R_5 R_5 + C$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-C_1}R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_2R_2R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5+C_1C_3R_3R_4R_5+C_2C_3R_2R_4R_5}$ wo: $\frac{\sqrt{-C_1}R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_1C_2R_2R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5}{C_1C_2C_3R_2R_3R_4R_5}$

K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.85 LP-85 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2-C_5}}}{C_1C_2R_2R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4+C_2C_3R_2R_4}$ wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}$

```
bandwidth: \frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_2C_3R_2R_4)\sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}}{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}}\sqrt{\frac{1}{C_2 - C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}}\sqrt{\frac{1}{C_2 - C_5}}}
K-LP: \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4}}
K-HP: 0
K-BP: 0
Qz: None
```

7.86 LP-86
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_2 R_6}{-C_1 R_2 + C_1 R_5 + C_3 R_5 + s^2 \left(C_1 C_2 C_3 R_2 R_3 R_5 + C_1 C_3 C_4 R_2 R_3 R_5\right) + s \left(C_1 C_2 R_2 R_5 - C_1 C_3 R_2 R_3 + C_1 C_3 R_2 R_5 + C_1 C_3 R_3 R_5 + C_1 C_4 R_2 R_5 + C_2 C_3 R_2 R_5\right)}$$

Wz: None

7.87 LP-87
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_1}C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} }{C_1C_2R_2+C_1C_3R_2+C_1C_3R_3+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2} \\ \text{wo: } \sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_2C_3R_2R_3+C_1C_3C_4R_2R_3-C_1C_3C_5R_2R_3}} \\ \text{bandwidth: } \frac{\sqrt{C_1+C_3}(C_1C_2R_2+C_1C_3R_2+C_1C_3R_3+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2)\sqrt{\frac{1}{C_1C_2C_3R_2R_3+C_1C_3C_5R_2R_3}}}{\sqrt{C_1}C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}-\sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} \\ \text{K-LP: } \frac{C_3C_5R_2}{C_1C_6+C_3C_6} \\ \text{K-HP: } 0 \\ \text{K-BP: } 0 \\ \text{Qz: None} \\ \text{Wz: None}$$

7.88 LP-88
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{-C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s^2 \left(C_1 C_2 C_3 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 R_2 R_3 R_4 R_5\right) + s \left(C_1 C_2 R_2 R_4 R_5 - C_1 C_3 R_2 R_3 R_4 + C_1 C_3 R_2 R_3 R_5 + C_1 C_3 R_2 R_4 R_5 + C_1 C_4 R_2 R_4 R_5 + C_2 C_3 R_2 R_4 R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_2R_2R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5+C_1C_3R_3R_4R_5+C_1C_4R_2R_4R_5+C_2C_3R_2R_4R_5}$ wo: $\frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1C_2C_3R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_$

7.89 LP-89
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6$$

 $\sqrt{C_1}C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}+\sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}-\sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}-C_1C_2R_2R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_2C_3R_2R_4$

 $\text{wo: } \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4 + C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4)}{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}}} \frac{1}{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}} + \sqrt{C_1C_2C_3R_2R_3R_4 + C_1C_3C_5R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{C_1R_2 + C_1R_4 + C_1R_4 + C_1R_4}\sqrt{C_1R_2 + C_1R_4 + C_1R_4 + C_1R_4}\sqrt{C_1R_2 + C_1R_4 + C_1R_4 + C_1R_4}\sqrt{C_1R_2 + C_1R_4 + C$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.90 LP-90 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $R_1R_2R_4R_6$ $\overline{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + S^2 \left(-C_1 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_4 R_5 + C_1 R_1 R_4 R_5 + C_1$

Parameters:

 $Q: \frac{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \frac{R_2R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_2R_3R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_1}\sqrt{C_6}\sqrt{R_1}R_2R_3R_5\sqrt{R_6}\sqrt{\frac{R_1R_4R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \frac{R_2R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \frac{R_2R_3R_4}{-R_2R_3R_4+R_2R_$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.91 LP-91 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{-C_1C_5C_6R_1R_2R_3R_4s^2 + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 - C_5C_6R_2R_3R_4\right)}{-C_1C_5C_6R_1R_2R_3R_4s^2 + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + c_6R_3R_4 + s\left(C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 - C_5C_6R_2R_3R_4\right)}$

Parameters:

bandwidth: $i\sqrt{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}(C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4)$

 $C_1C_5R_1R_2\overline{R_3R_4\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}$

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.92 LP-92 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_5R_1R_2R_4$ $\overline{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(-C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_5 + C_1C_5C_6R_1R_2R_3R_5 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_3R_4 + C_5C_6R_1R_3R_4 + C_$

```
 \begin{array}{c} Q: \frac{-\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_4\sqrt{R_1}R_4 + R_2}R_3 + R_2R_4 + R_3R_4\sqrt{-R_2}R_3R_4 + R_2}{R_3R_3R_4 + R_2}R_3R_4 + R_3R_4\sqrt{-R_2}R_3R_4 + R_2}R_3R_5 + \sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_5 + R_2}R_4R_5 + \sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_5 + R_2}R_4R_5 + \sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_5 + R_2}R_4R_5 + \sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_5 + R_2}R_4R_5 + \sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_4 + R_2}R_3R_4 + R_2}R_3R_4 + \sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_4 + R_2}R_3R_4 + R_2}R_3}R_4 + R_2}R_3R_4 + R_2
```

7.93 LP-93 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{R_1 R_2 R_6}{C_1 C_4 R_1 R_2 R_3 R_5 s^2 + R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s \left(-C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_5 + C_1 R_1 R_3 R_5 + C_4 R_2 R_3 R_5 \right)}$

Parameters:

Q: $-\frac{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{C_1R_1R_2R_3-C_1R_1R_2R_5-C_1R_1R_3R_5-C_4R_2R_3R_5}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $-\frac{C_1R_1R_2R_3-C_1R_1R_2R_5-C_1R_1R_3R_5-C_4R_2R_3R_5}{C_1C_4R_1R_2R_3R_5}$ K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.94 LP-94 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s^2 \left(C_1 C_4 C_6 R_1 R_2 R_3 - C_1 C_5 C_6 R_1 R_2 R_3\right) + s \left(C_1 C_6 R_1 R_2 + C_1 C_6 R_1 R_3 + C_4 C_6 R_2 R_3 - C_5 C_6 R_2 R_3\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_1R_1R_2+C_1R_1R_3+C_4R_2R_3-C_5R_2R_3} \\ \text{wo: } \sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_4R_1R_2R_3-C_1C_5R_1R_2R_3}} \\ \text{bandwidth: } \frac{\sqrt{R_1+R_2+R_3}(C_1R_1R_2+C_1R_1R_3+C_4R_2R_3-C_5R_2R_3)\sqrt{\frac{1}{C_1C_4R_1R_2R_3-C_1C_5R_1R_2R_3}}}{\sqrt{C_1C_4}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}} \\ \text{K-LP: } \frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3} \\ \text{K-HP: 0} \\ \text{K-BP: 0} \\ \text{Qz: None} \\ \text{Wz: None}$

7.95 LP-95
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

 $H(s) = \frac{R_1 R_2 R_4 R_6}{C_1 C_4 R_1 R_2 R_3 R_4 R_5 s^2 + R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(-C_1 R_1 R_2 R_3 R_4 + C_1 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_4 R_5 + C_1 R_1 R_5 + C_1 R_1 R_5 + C_1 R_1 R_5 + C_1 R_1 R_5 +$

Parameters:

Q: $-\frac{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1}R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1R_1R_3R_4R_5 - C_4R_2R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $-\frac{C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1R_1R_3R_4R_5 - C_4R_2R_3R_4R_5}{C_1C_4R_1R_2R_3R_4R_5}$ K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0 K-BP: 0

Qz: None Wz: None

7.96 LP-96
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s^2 \left(C_1 C_4 C_6 R_1 R_2 R_3 R_4 - C_1 C_5 C_6 R_1 R_2 R_3 R_4\right) + s \left(C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_3 R_4 + C_4 C_6 R_2 R_3 R_4 - C_5 C_6 R_2 R_3 R_4\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4}$$
 wo:
$$\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_1C_4R_1R_2R_3R_4-C_1C_5R_1R_2R_3R_4}}$$
 bandwidth:
$$\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}(C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_4R_1R_2R_3R_4-C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}\sqrt{\frac{1}{C_4-C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}\sqrt{\frac{1}{C_4-C_5}}}$$
 K-LP:
$$\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}}$$
 K-HP: 0 K-BP: 0 Qz: None

7.97 LP-97
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4}{C_1 C_3 C_6 R_1 R_2 R_4 R_5 s^2 - C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s \left(-C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_2 R_5 + C_1 C_6 R_1 R_4 R_5 + C_3 C_6 R_1 R_4 R_5 + C_3 C_6 R_2 R_4 R_5\right)}$$

Parameters:

Wz: None

$$\begin{array}{l} Q\colon -\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}\\ \text{wo: } \frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}\\ \text{bandwidth: } -\frac{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}{C_1C_3R_1R_2R_4R_5}\\ \text{K-LP: } -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}\\ \text{K-HP: 0}\\ \text{K-BP: 0}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

7.98 LP-98
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2}{-C_6 R_2 + C_6 R_5 + s^2 \left(C_1 C_3 C_6 R_1 R_2 R_5 + C_1 C_4 C_6 R_1 R_2 R_5\right) + s \left(-C_1 C_6 R_1 R_2 + C_1 C_6 R_1 R_5 + C_3 C_6 R_1 R_5 + C_3 C_6 R_2 R_5 + C_4 C_6 R_2 R_5\right)}$$

7.99 LP-99
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_3C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5\right)}$$

 $\begin{array}{l} \text{Q:} -\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5} \\ \text{wo:} \ \frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_1C_3R_1R_2R_4R_5+C_1C_4R_1R_2R_4R_5}} \\ \text{bandwidth:} \ -\frac{C_1R_1R_2R_4-C_1R_1R_2R_4-C_1R_1R_2R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_3R_1R_2R_4+C_1C_4R_1R_2R_4R_5}} \\ \text{K-LP:} \ -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5} \\ \text{K-HP:} \ 0 \end{array}$

K-HP: 0 K-BP: 0

Qz: None Wz: None

7.100 LP-100 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $\frac{C_{3}R_{1}R_{2}R_{4}}{-C_{6}R_{2}R_{5}+C_{6}R_{4}R_{5}+s^{2}\left(-C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}+C_{1}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{6}R_{1}R_{2}$

Parameters:

 $Q: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_4\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_1}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4}}} - \sqrt{C_1}\sqrt{C_1}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_2R_4}{-$

Wo: $\sqrt{\frac{R_2R_4 - R_2R_5 - R_4R_5}{C_1C_3R_1R_2R_3R_4 - C_1C_3R_1R_2R_3R_5 - C_1C_3R_1R_2R_4R_5 - C_1C_3R_1R_3R_4R_5}}$

 $\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_4\sqrt{-\frac{R_2R_4}{C_1}}\frac{R_2R_4}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}-\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_4}{C_1}\frac{R_2R_4}{R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}-\frac{R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_4}{R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_4}{R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}-\frac{R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_4}{R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_4}{R_5+R_3R_4R_5}+\frac{R_2R_5}{R_2R_4R_5+R_3R_4R_5}}-\frac{R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_4}{R_5+R_3R_4R_5}+\frac{R_2R_5}{R_2R_4R_5+R_3R_4R_5}}-\frac{R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_4}{R_5+R_3R_4R_5}+\frac{R_2R_5}{R_2R_4R_5+R_3R_4R_5}}-\frac{R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}R_2R_3R_5}-\frac{R_2R_4}{R_5+R_3R_4R_5}+\frac{R_2R_5}{R_2R_4R_5+R_3R_4R_5}-\frac{R_2R_5}{R_5R_5}-\frac{R_2R_4}{R_5+R_3R_4R_5}+\frac{R_2R_5}{R_5R_5}+\frac{R_2R_5}{R$

K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0

K-BP: 0

Qz: None Wz: None

7.101 LP-101 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$

 $H(s) = \frac{R_1 R_4 R_6}{C_1 C_2 R_1 R_3 R_4 R_5 s^2 - R_3 R_4 + R_3 R_5 + R_4 R_5 + s \left(-C_1 R_1 R_3 R_4 + C_1 R_1 R_3 R_5 + C_1 R_1 R_4 R_5 + C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5\right)}$

Parameters:

Q: $-\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_3}R_4 + R_3R_5 + R_4R_5}{C_1R_1R_3R_4 - C_1R_1R_3R_5 - C_1R_1R_4R_5 - C_2R_1R_4R_5 - C_2R_3R_4R_5}$ wo: $\frac{\sqrt{-R_3}R_4 + R_3R_5 + R_4R_5}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $-\frac{C_1R_1R_3R_4 - C_1R_1R_3R_5 - C_1R_1R_4R_5 - C_2R_1R_4R_5 - C_2R_3R_4R_5}{C_1C_2R_1R_3R_4R_5}$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0

K-BP: 0

Qz: None

Wz: None

7.102 LP-102 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $\frac{C_{5}R_{1}R_{4}}{C_{6}R_{3}+C_{6}R_{4}+s^{2}\left(C_{1}C_{2}C_{6}R_{1}R_{3}R_{4}-C_{1}C_{5}C_{6}R_{1}R_{3}R_{4}\right)+s\left(C_{1}C_{6}R_{1}R_{3}+C_{1}C_{6}R_{1}R_{4}+C_{2}C_{6}R_{1}R_{4}+C_{2}C_{6}R_{3}R_{4}-C_{5}C_{6}R_{3}R_{4}\right)}$

$$\text{Q: } \frac{\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}}{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4-C_5R_3R_4}$$

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wo: \sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2R_1R_3R_4-C_1C_5R_1R_3R_4}} bandwidth: \frac{\sqrt{R_3+R_4}(C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4-C_5R_3R_4)\sqrt{\frac{1}{C_1C_2R_1R_3R_4-C_1C_5R_1R_3R_4}}}{\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}} K-LP: \frac{C_5R_1R_4}{C_6R_3+C_6R_4} K-HP: 0 K-BP: 0 Qz: None
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7.103 LP-103
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{R_1 R_6}{-R_3 + R_5 + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5\right) + s \left(-C_1 R_1 R_3 + C_1 R_1 R_5 + C_2 R_1 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5\right)}$$

Wz: None

$$\begin{array}{l} \mathrm{Q:} -\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_3}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{-R_3+R_5}}{C_1R_1R_3-C_1R_1R_5-C_2R_1R_5-C_2R_3R_5-C_4R_3R_5}\\ \mathrm{wo:} \ \frac{\sqrt{-R_3+R_5}}{\sqrt{C_1C_2R_1R_3R_5+C_1C_4R_1R_3R_5}}\\ \mathrm{bandwidth:} \ -\frac{C_1R_1R_3-C_1R_1R_5-C_2R_1R_5-C_2R_3R_5-C_4R_3R_5}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_3}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{C_1C_2R_1R_3R_5+C_1C_4R_1R_3R_5}}\\ \mathrm{K-LP:} \ -\frac{R_1R_6}{R_3-R_5}\\ \mathrm{K-HP:} \ 0\\ \mathrm{K-BP:} \ 0\\ \mathrm{Qz:} \ \mathrm{None}\\ \mathrm{Wz:} \ \mathrm{None} \end{array}$$

7.104 LP-104
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1}{C_6 + s^2 \left(C_1 C_2 C_6 R_1 R_3 + C_1 C_4 C_6 R_1 R_3 - C_1 C_5 C_6 R_1 R_3\right) + s \left(C_1 C_6 R_1 + C_2 C_6 R_1 + C_2 C_6 R_3 + C_4 C_6 R_3 - C_5 C_6 R_3\right)}$$

Parameters:

7.105 LP-105
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_1 C_2 R_1 R_3 R_4 R_5 + C_1 C_4 R_1 R_3 R_4 R_5\right) + s \left(-C_1 R_1 R_3 R_4 + C_1 R_1 R_3 R_5 + C_1 R_1 R_4 R_5 + C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 + C_4 R_3 R_4 R_5\right)}$$

Parameters:

Q: $-\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{C_1R_1R_3R_4-C_1R_1R_3R_5-C_1R_1R_4R_5-C_2R_1R_4R_5-C_2R_3R_4R_5-C_4R_3R_4R_5}$ wo: $\frac{\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{\sqrt{C_1C_2R_1R_3R_4+R_5+C_1C_4R_1R_3R_4R_5}}$ bandwidth: $-\frac{C_1R_1R_3R_4-C_1R_1R_3R_5-C_1R_1R_4R_5-C_2R_1R_4R_5-C_2R_3R_4R_5-C_4R_3R_4R_5}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{C_1C_2R_1R_3R_4R_5+C_1C_4R_1R_3R_4R_5}}$ K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.106 LP-106
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s^2 \left(C_1 C_2 C_6 R_1 R_3 R_4 + C_1 C_4 C_6 R_1 R_3 R_4 - C_1 C_5 C_6 R_1 R_3 R_4\right) + s \left(C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_4 + C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 + C_4 C_6 R_3 R_4 - C_5 C_6 R_3 R_4\right)}{c_6 R_3 + c_6 R_4 + s^2 \left(C_1 C_2 C_6 R_1 R_3 R_4 + C_1 C_4 C_6 R_1 R_3 R_4 - C_1 C_5 C_6 R_1 R_3 R_4\right) + s \left(C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_4 + C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 + C_4 C_6 R_3 R_4 - C_5 C_6 R_3 R_4\right)}$$

Q:
$$\frac{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}} }{C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+C_{2}R_{1}R_{4}+C_{2}R_{3}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{3}R_{4}}}$$
wo:
$$\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{3}R_{4}+C_{1}C_{4}R_{1}R_{3}R_{4}-C_{1}C_{5}R_{1}R_{3}R_{4}}}$$
bandwidth:
$$\frac{\sqrt{R_{3}+R_{4}}(C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+C_{2}R_{3}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{3}R_{4}+C_{1}C_{4}R_{1}R_{3}R_{4}-C_{1}C_{5}R_{1}R_{3}R_{4}}}}{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}}$$

$$K-LP: \frac{C_{5}R_{1}R_{4}}{C_{6}R_{3}+C_{6}R_{4}}}$$

$$K-HP: 0$$

$$K-BP: 0$$

$$Qz: None$$

$$Wz: None$$

7.107 LP-107
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_4}{-C_6 R_4 + C_6 R_5 + s^2 \left(C_1 C_2 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_4 + C_1 C_6 R_1 R_5 + C_2 C_6 R_4 R_5 + C_3 C_6 R_4 R_5\right)}$$

Parameters:

Q:
$$-\frac{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}$$
 wo:
$$\frac{\sqrt{-R_4+R_5}}{\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5}}$$
 bandwidth:
$$-\frac{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_2C_3R_1R_4R_5}}$$
 K-LP:
$$-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$$
 K-HP:
$$0$$
 K-BP:
$$0$$
 Qz: None Wz: None

7.108 LP-108
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1}{-C_6 + s^2 \left(C_1 C_2 C_6 R_1 R_5 + C_1 C_3 C_6 R_1 R_5 + C_1 C_4 C_6 R_1 R_5 + C_2 C_3 C_6 R_1 R_5\right) + s \left(-C_1 C_6 R_1 + C_2 C_6 R_5 + C_3 C_6 R_5 + C_4 C_6 R_5\right)}$$

Parameters:

Q:
$$-\frac{i\sqrt{R_1}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1R_1-C_2R_5-C_3R_5-C_4R_5}$$
 wo: $\frac{i}{\sqrt{C_1C_2R_1R_5+C_1C_3R_1R_5+C_1C_4R_1R_5+C_2C_3R_1R_5}}$ bandwidth: $-\frac{C_1R_1-C_2R_5-C_3R_5-C_4R_5}{\sqrt{R_1}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_5+C_1C_3R_1R_5+C_1C_4R_1R_5+C_2C_3R_1R_5}}$ K-LP: $-\frac{C_3R_1}{C_6}$ K-HP: 0 K-BP: 0 Qz: None Wz: None

7.109 LP-109
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_5C_6R_1R_5 + C_1C_3C_5C_6R_1R_5 + C_2C_3C_5C_6R_1R_5\right) + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_4C_6R_1 - C_1C_5C_6R_1 + C_2C_3C_6R_1 + C_2C_5C_6R_5 + C_3C_5C_6R_5\right)}$$

$$\begin{array}{c} \text{Q:} \ \frac{\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}\sqrt{C_2+C_3+C_4-C_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5} \\ \text{wo:} \ \frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_1C_2C_5R_1R_5+C_1C_3C_5R_1R_5+C_1C_4C_5R_1R_5+C_2C_3C_5R_1R_5}} \end{array}$$

7.110 LP-110
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_4}{-C_6 R_4 + C_6 R_5 + s^2 \left(C_1 C_2 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_4 + C_1 C_6 R_1 R_5 + C_2 C_6 R_4 R_5 + C_3 C_6 R_4 R_5 + C_4 C_6 R_4 R_5\right)}$$

```
\begin{array}{l} \mathrm{Q:} \ -\frac{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5} \\ \mathrm{wo:} \ \frac{\sqrt{-R_4+R_5}}{\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_4R_1R_4R_5+C_2C_3R_1R_4R_5}}{\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_4R_1R_4R_5+C_2C_3R_1R_4R_5}} \\ \mathrm{bandwidth:} \ -\frac{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_4R_1R_4R_5+C_2C_3R_1R_4R_5}} \\ \mathrm{K-LP:} \ -\frac{C_3R_1R_4}{C_6R_4-C_6R_5} \\ \mathrm{K-HP:} \ 0 \\ \mathrm{K-BP:} \ 0 \\ \mathrm{Qz:} \ \mathrm{None} \\ \mathrm{Wz:} \ \mathrm{None} \end{array}
```

7.111 LP-111
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_3C_6R_1R_3 + C_1C_3C_4C_6R_1R_3 - C_1C_3C_5C_6R_1R_3\right) + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_4C_6R_1 - C_1C_5C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_3C_4C_6R_3 - C_3C_5C_6R_3\right)}$$

Parameters:

$$Q: \frac{\sqrt{c_1}C_2\sqrt{c_3}\sqrt{R_1}\sqrt{R_3}\sqrt{\frac{c_2}{c_2+c_4-c_5} + \frac{c_3}{c_2+c_4-c_5} + \frac{c_4}{c_2+c_4-c_5} - \frac{c_5}{c_2+c_4-c_5} + \sqrt{c_1}\sqrt{c_3}C_4\sqrt{R_1}\sqrt{R_3}\sqrt{\frac{c_2}{c_2+c_4-c_5} + \frac{c_3}{c_2+c_4-c_5} - \frac{c_5}{c_2+c_4-c_5} - \sqrt{c_1}\sqrt{c_3}C_5\sqrt{R_1}\sqrt{R_3}\sqrt{\frac{c_2}{c_2+c_4-c_5} + \frac{c_3}{c_2+c_4-c_5} - \frac{c_5}{c_2+c_4-c_5} - \frac{c_5}{c_2+c_4-$$

7.112 LP-112
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6\right)$$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{C_1 C_2 R_1 R_2 R_3 R_4 R_5 s^2 + R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + s \left(-C_1 R_1 R_2 R_3 R_4 + C_1 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_4 R_5 + C_2 R_1 R_2 R_4 R_5 + C_2 R_2 R_3 R_4 R_5\right)}$$

Parameters:

Wz: None

Q:
$$-\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_2R_4R_5-C_2R_1R_2R_4R_5-C_2R_1R_2R_4R_5-C_2R_2R_3R_4R_5}$$
 wo:
$$\frac{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}}$$
 bandwidth:
$$-\frac{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_2R_1R_2R_4R_5-C_2R_2R_3R_4R_5}}{C_1C_2R_1R_2R_3R_4R_5}}$$
 K-LP:
$$\frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}$$
 K-HP: 0 K-BP: 0 Qz: None

7.113 LP-113
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s^2 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_4 - C_1 C_5 C_6 R_1 R_2 R_3 R_4\right) + s \left(C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_3 R_4 + C_2 C_6 R_1 R_2 R_4 + C_2 C_6 R_1 R_2 R_4 + C_2 C_6 R_2 R_3 R_4\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2-C_5}}}{C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 - C_5R_2R_3R_4}}\\ \text{wo: } \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}}\\ \text{bandwidth: } \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 - C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}}}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2-C_5}}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2-C_5}}}}\\ \text{K-LP: } \frac{C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4}}\\ \text{K-HP: 0}\\ \text{K-BP: 0}\\ \text{Qz: None}\\ \text{Wz: None}$$

7.114 LP-114
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_5 + C_1 C_4 R_1 R_2 R_3 R_5\right) + s \left(-C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_5 + C_1 R_1 R_3 R_5 + C_2 R_1 R_2 R_5 + C_2 R_2 R_3 R_5 + C_4 R_2 R_3 R_5\right)}$$

Parameters:

7.115 LP-115
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s^2 \left(C_1 C_2 C_6 R_1 R_2 R_3 + C_1 C_4 C_6 R_1 R_2 R_3 - C_1 C_5 C_6 R_1 R_2 R_3\right) + s \left(C_1 C_6 R_1 R_2 + C_1 C_6 R_1 R_3 + C_2 C_6 R_1 R_2 + C_2 C_6 R_2 R_3 + C_4 C_6 R_2 R_3 - C_5 C_6 R_2 R_3\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1R_1R_2+C_1R_1R_3+C_2R_1R_2+C_2R_2R_3+C_4R_2R_3-C_5R_2R_3} \\ \text{wo: } \sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2R_1R_2R_3+C_1C_4R_1R_2+C_2R_1R_2+C_2R_2R_3+C_4R_2R_3-C_5R_2R_3}}\\ \text{bandwidth: } \frac{\sqrt{R_1+R_2+R_3}(C_1R_1R_2+C_1R_1R_3+C_2R_1R_2+C_2R_2R_3+C_4R_2R_3-C_5R_2R_3)\sqrt{\frac{1}{C_1C_2R_1R_2R_3+C_1C_4R_1R_2R_3-C_1C_5R_1R_2R_3}}}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}\sqrt{\frac{1}{C_2+C_4-C_5}}}\\ \text{K-LP: } \frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}\\ \text{K-HP: 0}\\ \text{Qz: None}\\ \text{Wz: None}$$

7.116 LP-116
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_4 R_5 + C_1 C_4 R_1 R_2 R_3 R_4 + C_1 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_4 R_5 + C_2 R_1 R_2 R_4 R_5 + C_2 R_2 R_3 R_4 R_5 + C_4 R_2 R_3 R_4 R_5 \right)}$$

```
Q: -\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_2R_1R_2R_4R_5-C_2R_2R_3R_4R_5-C_4R_2R_3R_4R_5}
wo: \frac{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_1C_2R_1R_2R_3R_4R_5+C_1C_4R_1R_2R_3R_4R_5}}
bandwidth: -\frac{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_2R_1R_2R_4R_5-C_2R_2R_3R_4R_5-C_4R_2R_3R_4R_5}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2+C_4}\sqrt{C_1C_2R_1R_2R_3R_4R_5+C_1C_4R_1R_2R_3R_4R_5}}}
K-LP: \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}
K-HP: 0
              K-BP: 0
               Qz: None
              Wz: None
7.117 LP-117 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_5R_1R_2R_4
                                            H(s) = \frac{C_5 n_1 n_2 n_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s^2 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_4 + C_2 C_6 R_1 R_2 R_4 + C_2 C_6 R_2 R_3 R_4 + C_4 C_6 R_2 R_3 R_4 - C_5 C_6 R_2 R_3 R_4 \right)}
      Parameters:
               \text{Q:} \frac{\sqrt{C_{1}}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\frac{1}{C_{1}R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\frac{1}{C_{1}R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}-\frac{1}{C_{1}R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\frac{1}{C_{1}R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{1}R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}+R_{2}R_{4}
            wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}

bandwidth: \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}\sqrt{\frac{1}{C_2 + C_4 - C_5}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}\sqrt{\frac{1}{C_2 + C_4 - C_5}}}
            K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}
K-HP: 0
              K-BP: 0
               Qz: None
              Wz: None
7.118 LP-118 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_3R_1R_2R_4
                                                                                               H(s) = \frac{1}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_4R_5 + C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_5 + C_3C_6R_1R
      Parameters:
           Q: -\frac{\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{2}C_{3}}\sqrt{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}}{C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}}}
wo: \frac{\sqrt{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}}{\sqrt{C_{1}C_{2}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}}}}
bandwidth: -\frac{C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}}}{\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{2}C_{3}}\sqrt{C_{1}C_{2}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}}}
             K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}
K-HP: 0
              K-BP: 0
                 Qz: None
              Wz: None
7.119 LP-119 Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_3R_1R_2
                                                                                                                                                  H(s) = \frac{1}{-C_6R_2 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_2R_5 + C_1C_3C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5 + C_2C_3C_6R_1R_2R_5\right) + s\left(-C_1C_6R_1R_2 + C_1C_6R_1R_5 + C_2C_6R_2R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5\right)}
      Parameters:
               Q: -\frac{\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-R_2+R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}
wo: -\frac{\sqrt{-R_2+R_5}}{\sqrt{-R_2+R_5}}
              wo: \frac{\sqrt{C_1C_2R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_2C_3R_1R_2R_5}}{\sqrt{C_1C_2R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_2C_3R_1R_2R_5}} bandwidth: -\frac{C_1R_1R_2 - C_1R_1R_5 - C_2R_2R_5 - C_3R_1R_5 - C_3R_2R_5 - C_4R_2R_5}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{C_1C_2 + C_1C_3 + C_1C_4 + C_2C_3}\sqrt{C_1C_2R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_1C_4R_1R_2R_5 + C_2C_3R_1R_2R_5}}
             K-LP: -\frac{C_3 R_1 R_2}{C_6 R_2 - C_6 R_5}
K-HP: 0
               K-BP: 0
                 Qz: None
```

7.120 LP-120
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

 $C_3R_1R_2R_4$

 $H(s) = \frac{C_3 R_1 R_2 R_4}{-C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s^2 \left(C_1 C_2 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_4 R_5 + C_3 C_6 R_1 R_4 R_5 + C_3 C_6 R_1 R_2 R_4 R_5 + C_4 C_6 R_4 R_5$

Parameters:

 $\begin{aligned} & Q \colon -\frac{\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_2R_4+R_2R_5+R_4R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{\sqrt{-R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_2R_2R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}} \\ & \text{wo: } \frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}} \\ & \text{bandwidth: } -\frac{C_1R_1R_2R_4-C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_2R_4R_5-C_3R_2R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_$

K-BP: 0 Qz: None Wz: None

X-INVALID-NUMER

8.1 X-INVALID-NUMER-1 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6$ $H(s) = \frac{-C_5C_6R_2R_3R_4R_5R_6s^2 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(-C_5R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6 + C_6R_3R_4R_5R_6\right)}{-C_5C_6R_2R_3R_4R_5R_6s^2 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + s\left(-C_5R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6\right)}$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-R_1}R_4R_5 + R_2R_3R_4 - R_2R_3R_5 - R_2R_4R_5 - R_3R_4R_5}{C_5R_2R_3R_4R_5 - C_6R_1R_4R_5R_6 + C_6R_2R_3R_4R_6 - C_6R_2R_3R_5R_6 - C_6R_2R_4R_5R_6 - C_6R_3R_4R_5R_6}$ wo: $\frac{\sqrt{-R_1}R_4R_5 + R_2R_3R_4 - R_2R_3R_5 - R_2R_4R_5 - R_3R_4R_5}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}$ bandwidth: $\frac{C_5R_2R_3R_4R_5 - C_6R_1R_4R_5R_6 + C_6R_2R_3R_4R_6 - C_6R_2R_3R_5R_6 - C_6R_2R_4R_5R_6 - C_6R_3R_4R_5R_6}{C_5C_6R_2R_3R_4R_5R_6}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

 $\text{K-BP:} - \frac{C_5 R_1 R_2 R_4 R_5 R_6}{C_5 R_2 R_3 R_4 R_5 - C_6 R_1 R_4 R_5 R_6 + C_6 R_2 R_3 R_4 R_6 - C_6 R_2 R_3 R_5 R_6 - C_6 R_2 R_4 R_5 R_6 - C_6 R_3 R_4 R_5 R_6}$

Qz: None Wz: None

8.2 X-INVALID-NUMER-2 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_6s + C_5R_1R_2}{C_4C_5C_6R_2R_3R_5s^2 + C_6R_1 + C_6R_2 + C_6R_3 + s\left(C_4C_6R_2R_3 + C_5C_6R_1R_5 - C_5C_6R_2R_3 + C_5C_6R_2R_5 + C_5C_6R_3R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_1+R_2+R_3}}{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{C_4C_5R_2R_3R_5}$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_6}{C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ Qz: None

Wz: None

8.3 X-INVALID-NUMER-3 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_5 R_1 R_2 R_5 R_6 s + R_1 R_2 R_6$ $\frac{1}{R_{1}R_{5}-R_{2}R_{3}+R_{2}R_{5}+R_{3}R_{5}+s^{2}\left(C_{4}C_{6}R_{2}R_{3}R_{5}R_{6}-C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}\right)+s\left(C_{4}R_{2}R_{3}R_{5}-C_{5}R_{2}R_{3}R_{5}+C_{6}R_{1}R_{5}R_{6}-C_{6}R_{2}R_{3}R_{6}+C_{6}R_{2}R_{5}R_{6}+C_{6}R_{3}R_{5}R_{6}\right)}$

```
\frac{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_5}{C_4-C_5}} - \frac{R_2R_3}{C_4-C_5} + \frac{R_2R_5}{C_4-C_5} + \frac{R_3R_5}{C_4-C_5}}{C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_5R_6 + C_6R_3R_5R_6} - C_5\sqrt{R_6}\sqrt{R_6}\sqrt{\frac{R_1R_5}{C_4-C_5}} - \frac{R_2R_3}{C_4-C_5} + \frac{R_2R_5}{C_4-C_5} + \frac{R_3R_5}{C_4-C_5}}{C_4-C_5}
 \text{bandwidth: } \frac{\sqrt{\frac{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5}{C_4C_6R_2R_3R_5R_6 - C_5C_6R_2R_3R_5R_6}}(C_4R_2R_3R_5 - C_5R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_5R_6 + C_6R_3R_5R_6)}{C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_5}{C_4 - C_5}} - \frac{R_2R_3}{C_4 - C_5} + \frac{R_2R_5}{C_4 - C_5} + \frac{R_3R_5}{C_4 - C_5} - C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_5}{C_4 - C_5}} - \frac{R_2R_3}{C_4 - C_5} + \frac{R_3R_5}{C_4 - C_5}
K-LP: \frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}
K-HP: 0
K-BP: \frac{C_5R_1R_2R_5R_6}{C_4R_2R_3R_5-C_5R_2R_3R_5+C_6R_1R_5R_6-C_6R_2R_3R_6+C_6R_2R_5R_6+C_6R_3R_5R_6} Qz: None
 Wz: None
```

8.4 X-INVALID-NUMER-4 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4 R_1 R_2 R_4 R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^2 \left(C_4 C_6 R_1 R_4 R_5 R_6 - C_4 C_6 R_2 R_3 R_4 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 + C_4 C_6 R_2 R_3 R_4 R_5 + C_4 R_2 R_3 R_4 + C_4 R_2 R_3 R_5 + C_4 R_2 R_3 R_5 + C_4 R_2 R_3 R_5 + C_6 R_2 R_3 R_6 + C_6 R_2 R_5 R_6 + C_6 R_2 R_5$ Parameters:

```
\bigcirc \frac{\sqrt{C_4\sqrt{C_6}R_1R_4R_5\sqrt{R_6}}\sqrt{\frac{R_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \frac{R_2R_3}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \frac{R_2R_3}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5} - \frac{R_2R_3}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} - \frac{R_2R_3}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} - \frac{R_2R_3}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} - \frac{R_2R_3}{R_1R_5-R_2R_3R_4+R_2R_3R_5} - \frac{R_2R_3}{R_1R_5-R_2R_3R_4+R_2R_3R_5} - \frac{R_2R_3}{R_1R_5-R_2R_3R_4+R_2R_3R_5} - \frac{R_2R_3}{R_1R_5-R_2R_3R_5} - \frac{R_2R_3}{R_1R_5-R_2R_3R_5} - \frac{R_2R_3}{R_1R_5-R_2R_3R_5} - \frac{R_2R_3}{R_1R_5-R_2R_3R_5} - \frac{R_2R_3}{R_1
   \frac{1}{\sqrt{C_4\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{\frac{R_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{\frac{R_1R_4}{R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_4\sqrt{C_6}R_3R_4R_5}-\sqrt{C_4\sqrt{C_6}R_3R_4R_5}}
K-LP: \frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}
K-HP: 0
```

 $\text{K-BP: } \frac{C_4 R_1 R_2 R_4 R_6}{C_4 R_1 R_4 R_5 - C_4 R_2 R_3 R_4 + C_4 R_2 R_3 R_5 + C_4 R_2 R_4 R_5 + C_4 R_3 R_4 R_5 + C_6 R_1 R_5 R_6 - C_6 R_2 R_3 R_6 + C_6 R_2 R_5 R_6 + C_6 R_3 R_5 R_6}$ Qz: None

8.5 X-INVALID-NUMER-5 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{-C_4C_5R_2R_3R_4s^2 + R_1 + R_2 + R_3 + s\left(C_4R_1R_4 + C_4R_2R_3 + C_4R_2R_4 + C_4R_3R_4 - C_5R_2R_3\right)}$$

Parameters:

Wz: None

```
Q: -\frac{i\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1+R_2+R_3}}{C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3} wo: \frac{\sqrt{-R_1-R_2-R_3}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}} bandwidth: \frac{i\sqrt{-R_1-R_2-R_3}(C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3)}{C_4C_5R_5R_5R_5R_5\sqrt{R_5+R_5R_5R_5}}
 K-LP: 0
 K-HP: -\frac{R_1R_6}{R_3}
K-BP: \frac{C_5R_1R_2R_6}{C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3} Qz: None
  Wz: None
```

8.6 X-INVALID-NUMER-6 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5R_1R_2R_4s + C_5R_1R_2}{-C_4C_5C_6R_2R_3R_4s^2 + C_6R_1 + C_6R_2 + C_6R_3 + s\left(C_4C_6R_1R_4 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_3R_4 - C_5C_6R_2R_3\right)}$$

Q:
$$-\frac{i\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1+R_2+R_3}}{C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3}$$
 wo:
$$\frac{\sqrt{-R_1-R_2-R_3}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$$
 bandwidth:
$$\frac{i\sqrt{-R_1-R_2-R_3}(C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3)}{C_4C_5R_2R_3R_4\sqrt{R_1+R_2+R_3}}$$
 K-LP:
$$\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$$
 K-HP: 0
K-BP:
$$\frac{C_4C_5R_1R_2R_4}{C_4C_6R_1R_4+C_4C_6R_2R_3+C_4C_6R_2R_4+C_4C_6R_3R_4-C_5C_6R_2R_3}$$

```
Qz: None
Wz: None
```

8.7 X-INVALID-NUMER-7 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^2\left(C_4C_5R_1R_4R_5 - C_4C_5R_2R_3R_4 + C_4C_5R_2R_3R_5 + C_4C_5R_2R_4R_5 + C_4C_5R_3R_4R_5\right) + s\left(C_4R_1R_4 + C_4R_2R_3 + C_4R_2R_4 + C_4R_3R_4 + C_5R_1R_5 - C_5R_2R_3 + C_5R_2R_5 + C_5R_3R_5\right)}$

Parameters:

 $Q: \frac{\sqrt{C_4}\sqrt{C_5}R_1R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_4\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_3R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_4R_5+R_3R_4R_5}}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_3R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_3R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_3R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_3R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_3R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_3R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R$

wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_4 C_5 R_1 R_4 R_5 - C_4 C_5 R_2 R_3 R_4 + C_4 C_5 R_2 R_3 R_5 + C_4 C_5 R_2 R_4 R_5 + C_4 C_5 R_3 R_4 R_5}$

 $\sqrt{R_1 + R_2 + R_3} (C_4 R_1 R_4 + C_4 R_2 R_3 + C_4 R_2 R_4 + C_4 R_3 R_4 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_2 R_5 + C_5 R_3 R_5) \sqrt{\frac{C_4 C_5 R_1 R_4 R_5 - C_4 C_5 R_2 R_3 R_4 + C_4 C_5 R_2 R_4 R_5 + C_4 C_5 R_3 R_4 R_5}{C_4 C_5 R_2 R_3 R_4 + C_4 R_3 R_4 + C_5 R_3 R_4 + C_5 R_3 R_4 R_5}}$

 $\frac{\sqrt{C_4\sqrt{C_5}R_1R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+\frac{1}{R_2}R_3R_5+R_2R_4R_5+R_3R_4R_5}}}{\sqrt{C_4\sqrt{C_5}R_1R_4R_5-R_2R_3R_4+\frac{1}{R_2}R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5+R_3R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_3R_4+R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_5R_4R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt{C_4\sqrt{C_5}R_5R_5}+\sqrt$

K-LP: 0

K-HP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP: } \frac{C_5R_1R_2R_6}{C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5} \\ \text{Qz: None}$

Wz: None

8.8 X-INVALID-NUMER-8 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_4C_5C_6R_1R_4R_5 - C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_3R_4R_5\right) + s\left(C_4C_6R_1R_4 + C_4C_6R_2R_4 + C_4C_6R_3R_4 + C_5C_6R_1R_5 - C_5C_6R_2R_3 + C_5C_6R_2R_5 + C_5C_6R_3R_5\right)}$

Parameters:

 $Q: \frac{\sqrt{C_4}\sqrt{C_5}R_1R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_3R_4+R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}$

wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_4 C_5 R_1 R_4 R_5 - C_4 C_5 R_2 R_3 R_4 + C_4 C_5 R_2 R_3 R_5 + C_4 C_5 R_2 R_4 R_5 + C_4 C_5 R_3 R_4 R_5}$

 $\frac{\sqrt{R_1 + R_2 + R_3}(C_4 R_1 R_4 + C_4 R_2 R_3 + C_4 R_2 R_4 + C_4 R_3 R_4 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_3 R_5)\sqrt{\frac{1}{C_4 C_5 R_1 R_4 R_5 - C_4 C_5 R_2 R_3 R_4 + C_4 R_5 R_4 R_5 + C_4 C_5 R_2 R_3 R_4 + C_4 R_5 R_4 R_5 + C_4 C_5 R_2 R_4 R_5 + C_4 C_5 R_4 R_5$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

 $\text{K-BP: } \frac{C_4C_5R_1R_2R_4}{C_4C_6R_1R_4 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_3R_4 + C_5C_6R_1R_5 - C_5C_6R_2R_3 + C_5C_6R_2R_5 + C_5C_6R_3R_5}$

Qz: None Wz: None

8.9 X-INVALID-NUMER-9 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_4C_5C_6R_2R_3R_4R_5s^2 + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_4C_6R_2R_3R_4 + C_5C_6R_1R_4R_5 - C_5C_6R_2R_3R_4 + C_5C_6R_2R_3R_5 + C_5C_6R_2R_4R_5 + C_5C_6R_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{C_4C_5R_2R_3R_4R_5}$

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_4R_2R_3R_4 + C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_4R_5 + C_5R_3R_4R_5}$

Qz: None Wz: None

8.10 X-INVALID-NUMER-10 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6$

 $H(s) = \frac{c_5 n_1 n_2 n_4 n_5 n_6 s + n_1 n_2 n_4 n_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s^2 \left(C_4 C_6 R_2 R_3 R_4 R_5 R_6 - C_5 C_6 R_2 R_3 R_4 R_5 - C_5 R_2 R_3 R_4 R_5 + C_6 R_1 R_4 R_5 R_6 - C_6 R_2 R_3 R_4 R_6 + C_6 R_2 R_3 R_4 R_5 + C_6 R_2 R_$

Parameters:

 $\frac{\sqrt{\frac{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}{C_{4}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}-C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}}}(C_{4}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}+C_{6}R_{1}R_{4}R_{5}R_{6}-C_{6}R_{2}R_{3}R_{4}R_{6}+C_{6}R_{2}R_{4}R_{5}R_{6}+C_{6}R_{2}R_{4}R_{5}R_{6}+C_{6}R_{3}R_{4}R_{5}R_{6}})}{C_{4}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{4}-C_{5}}+\frac{R_{2}R_{3}R_{5}}{C_{4}-C_{5}}+\frac{R_{2}R_{4}R_{5}}{C_{4}-C_{5}}+\frac{R_{3}R_{4}R_{5}}{C_{4}-C_{5}}-C_{5}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{4}-C_{5}}+\frac{R_{2}R_{3}R_{5}}{C_{4}-C_{5}}+\frac{R_{3}R_{4}R_{5}}{C_{4}-C_{5}}+\frac{R_{3}R_{4}R_{5}}{C_{4}-C_{5}}}$

K-BP: $\frac{C_5R_1R_2R_4R_5R_6}{C_4R_2R_3R_4R_5-C_5R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6}$ Qz: None

Wz: None

8.11 X-INVALID-NUMER-11 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5\right) + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4 + C_5C_6R_2R_5 + C_5C_6R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{R_2+R_4}}{C_3R_1R_4+C_3R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5}}$ bandwidth: $\frac{C_3R_1R_4+C_3R_2R_4-C_5R_2R_4+C_5R_2R_5+C_5R_4R_5}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_5R_1R_4R_5+C_3C_5R_2R_4R_5}}$ W. I.B. 0

K-LP: 0

K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4+C_3C_6R_2R_4-C_5C_6R_2R_4+C_5C_6R_2R_5+C_5C_6R_4R_5}$ Qz: None

Wz: None

8.12 X-INVALID-NUMER-12 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_3C_6R_1R_4R_5R_6 + C_3C_6R_2R_4R_5R_6 - C_5C_6R_2R_4R_5R_6\right) + s\left(C_3R_1R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5 - C_6R_2R_4R_6 + C_6R_2R_5R_6 + C_6R_4R_5R_6\right)}$

Parameters:

 $\frac{C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_2R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_4R_5}{C_3R_1+C_3R_2-C_5R_2}}{+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_4R_5}{C_3R_1+C_3R_2-C_5R_2}} - C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_4R_5}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_4R_5}{C_3R_1+C_3R_2-C_5R_2} +$

 $\frac{-R_2R_4+R_2R_5+R_4R_5}{\sqrt{C_3C_6R_1R_4R_5R_6+C_3C_6R_2R_4R_5}} (C_3R_1R_4R_5+C_3R_2R_4R_5-C_5R_2R_4R_5-C_6R_2R_4R_6+C_6R_2R_5R_6+C_6R_4R_5R_6)} \\ = \frac{-R_2R_4+R_2R_5+R_4R_5}{C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_4R_5}{C_3R_1+C_3R_2-C_5R_2} +$

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5+C_3R_2R_4R_5-C_5R_2R_4R_5-C_6R_2R_4R_6+C_6R_2R_5R_6+C_6R_4R_5R_6}$ Qz: None

Wz: None

8.13 X-INVALID-NUMER-13 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^2\left(C_3C_5C_6R_1R_5 + C_3C_5C_6R_2R_5 + C_4C_5C_6R_2R_5\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2 + C_5C_6R_5\right)}$

wo: $\frac{1}{\sqrt{C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_5R_2R_5}}$ bandwidth: $\frac{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_5R_5}{\sqrt{C_5}\sqrt{R_5}\sqrt{C_3R_1 + C_3R_2 + C_4R_2}\sqrt{C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_5R_2R_5}}$

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ K-BP: $\frac{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2+C_5C_6R_5}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2+C_5C_6R_5}$ Qz: None

Wz: None

8.14 X-INVALID-NUMER-14 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^2\left(C_3C_6R_1R_5R_6 + C_3C_6R_2R_5R_6 + C_4C_6R_2R_5R_6 - C_5C_6R_2R_5R_6\right) + s\left(C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5 - C_5R_2R_5 - C_6R_2R_6 + C_6R_5R_6\right)}$$

Parameters:

 $Q: \frac{C_3\sqrt{C_6}R_1\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{R_5$

Wo: $\sqrt{\frac{-R_2+R_5}{C_3C_6R_1R_5R_6+C_3C_6R_2R_5R_6+C_4C_6R_2R_5R_6-C_5C_6R_2R_5R_6}}$

 $\frac{-R_2 + R_5}{\sqrt{C_3 C_6 R_1 R_5 R_6 + C_3 C_6 R_2 R_5 R_6}} (C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5 - C_5 R_2 R_5 - C_6 R_2 R_6 + C_6 R_5 R_6)}{C_3 \sqrt{C_6 R_1} \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_3 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_4 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_4 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_4 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + C_5 \sqrt{C_6} R_2 \sqrt{R_5} \sqrt{R_6} \sqrt{-\frac{R_$

K-LP: 0

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5-C_5R_2R_5-C_6R_2R_6+C_6R_5R_6}$ Qz: None

Wz: None

8.15 X-INVALID-NUMER-15 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^2\left(C_3C_4R_1R_4R_5 + C_3C_4R_2R_4R_5\right) + s\left(C_3R_1R_5 + C_3R_2R_5 - C_4R_2R_4 + C_4R_2R_5 + C_4R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{-R_2+R_5}}{C_3R_1R_5+C_3R_2R_5-C_4R_2R_4+C_4R_2R_5+C_4R_4R_5}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_3C_4R_1R_4R_5+C_3C_4R_2R_4R_5}}$ bandwidth: $\frac{C_3R_1R_5+C_3R_2R_5-C_4R_2R_4+C_4R_2R_5+C_4R_4R_5}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_4R_1R_4R_5+C_3C_4R_2R_4R_5}}$ V. I.D. 0

K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$

K-BP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5-C_4R_2R_4+C_4R_2R_5+C_4R_4R_5}$ Qz: None

Wz: None

8.16 X-INVALID-NUMER-16 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4R_1R_2R_4s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_2R_4R_5\right) + s\left(C_3C_6R_1R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5\right)}$$

Parameters:

wo: $\frac{1}{\sqrt{C_3C_4R_1R_4R_5+C_3C_4R_2R_4R_5}}$ bandwidth: $\frac{C_3R_1R_5+C_3R_2R_5-C_4R_2R_4+C_4R_2R_5+C_4R_4R_5}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_4R_1R_4R_5+C_3C_4R_2R_4R_5}}$

K-LP: $-\frac{C_3R_1R_2}{C_6R_2-C_6R_5}$

K-HP: 0

K-BP: $\frac{C_3C_4R_1R_2R_4}{C_3C_6R_1R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5}$

Qz: None Wz: None

8.17 X-INVALID-NUMER-17 $Z(s) = \left(R_1, R_2, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{1}{C_{5s}}, \frac{1}{C_{6s}}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{C_6 + s^2\left(C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_4 - C_4C_5C_6R_2R_4\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 + C_4C_6R_4 - C_5C_6R_2\right)}$$

Parameters:

 $\frac{C_3\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}+C_3\sqrt{C_4}R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-\sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}}{C_3R_1+C_3R_2+C_4R_2+C_4R_4-C_5R_2}$ wo: $\sqrt{\frac{1}{C_3C_4R_1R_4 + C_3C_4R_2R_4 - C_4C_5R_2R_4}}$ bandwidth: $\frac{(C_3R_1 + C_3R_2 + C_4R_2 + C_4R_4 - C_5R_2)\sqrt{\frac{1}{C_3C_4R_1R_4 + C_3C_4R_2R_4 - C_4C_5R_2R_4}}}{C_3\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}} + C_3\sqrt{C_4}R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}} - \sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}}$ K-LP: 0 K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2+C_4C_6R_4-C_5C_6R_2}$ Qz: None Wz: None

8.18 X-INVALID-NUMER-18 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

Parameters:

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4+C_3C_6R_2R_4+C_4C_6R_2R_4-C_5C_6R_2R_4+C_5C_6R_2R_5+C_5C_6R_4R_5}$ Qz: None Wz: None

8.19 X-INVALID-NUMER-19 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_3C_6R_1R_4R_5R_6 + C_3C_6R_2R_4R_5R_6 - C_5C_6R_2R_4R_5R_6\right) + s\left(C_3R_1R_4R_5 + C_4R_2R_4R_5 - C_5R_2R_4R_5 - C_6R_2R_4R_6 + C_6R_2R_5R_6 + C_6R_4R_5R_6\right)}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_3C_6R_1R_4R_5R_6 + C_4C_6R_2R_4R_5R_6 - C_5C_6R_2R_4R_5R_6\right) + s\left(C_3R_1R_4R_5 + C_4R_2R_4R_5 - C_5R_2R_4R_5 - C_6R_2R_4R_5 + C_6R_2R_4R_5R_6\right)}$

Parameters:

 $Q: \frac{C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{R_2R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4R_5}{C_3R$ $\frac{-R_2R_4+R_2R_5+R_4R_5}{C_3C_6R_1R_4R_5R_6+C_3C_6R_2R_4R_5+C_4C_6R_2R_4R_5+C_4C_6R_2R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5-C_5R_2R_4R_5-C_5R_2R_4R_5-C_6R_2R_4R_6+C_6R_2R_5R_6+C_6R_4R_5R_6)}{C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+\frac{R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3R_4\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_5}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_5}}+C_3\sqrt{R_5}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_5}}+C_$

 $\begin{array}{l} \text{K-HP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2} \\ \text{K-BP: } \frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5+C_3R_2R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5-C_6R_2R_4R_6+C_6R_2R_5R_6+C_6R_4R_5R_6} \\ \text{Qz: None} \end{array}$

Wz: None

8.20 X-INVALID-NUMER-20 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{-C_3C_5C_6R_2R_3R_4s^2 + C_6R_2 + C_6R_4 + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 - C_5C_6R_2R_4\right)}$$

```
Q: -\frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_2+R_4}}{C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4}
bandwidth: \frac{i\sqrt{-R_2-R_4}(C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4)}{i\sqrt{-R_2-R_4}(C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4+C_5R_2R_4)}
```

K-LP: 0 K-HP: $-\frac{R_1R_6}{R_3}$

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 - C_5C_6R_2R_4}$ Qz: None

Wz: None

8.21 X-INVALID-NUMER-21 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s$ $H(s) = \frac{1}{C_{6}R_{2} + C_{6}R_{4} + s^{2}\left(C_{3}C_{5}C_{6}R_{1}R_{4}R_{5} - C_{3}C_{5}C_{6}R_{2}R_{3}R_{4} + C_{3}C_{5}C_{6}R_{2}R_{3}R_{5} + C_{3}C_{5}C_{6}R_{2}R_{4}R_{5} + C_{3}C_{5}C_{6}R_{3}R_{4}R_{5}\right) + s\left(C_{3}C_{6}R_{1}R_{4} + C_{3}C_{6}R_{2}R_{3} + C_{3}C_{6}R_{2}R_{4} + C_{5}C_{6}R_{2}R_{4} + C_{5}C_{6}R_$

Parameters:

 $Q: \frac{\sqrt{C_3}\sqrt{C_5}R_1R_4R_5\sqrt{R_2} + R_4}{\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_5}R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2} + R_4\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2} + R_4\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{R_2R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2} + R_4\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{R_2R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2} + R_4\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{R_2R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2}} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2}R_4R_5 + R_3R_4R_5} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{R_2}R_4R_5 + R_3R_4R_5} + \sqrt{C_3}\sqrt{C_5}R_2R_4R_5 + R_3R_4R_5} + \sqrt{C_3}\sqrt{C_5}R_3R_4R_5} + \sqrt{C_3}\sqrt{C_5}R_3R_4 + R_3R_4R_5} + \sqrt{C_3}\sqrt{C_5}R_3$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 C_5 R_1 R_4 R_5 - C_3 C_5 R_2 R_3 R_4 + C_3 C_5 R_2 R_3 R_5 + C_3 C_5 R_2 R_4 R_5 + C_3 C_5 R_3 R_4 R_5}$

K-LP: 0

K-HP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP: } \frac{C_3C_5R_1R_2R_4}{C_3C_6R_2R_4+C_3C_6R_2R_4+C_5C_6R_2R_4+C_5C_6R_2R_5+C_5C_6R_4R_5} \\ \text{Qz: None}$

Wz: None

8.22 X-INVALID-NUMER-22 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s$ $H(s) = \frac{-3.534122433535 + 3.44253}{-C_3C_5R_2R_3R_4R_5s^2 - R_2R_4 + R_2R_5 + R_4R_5 + s\left(C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 - C_5R_2R_4R_5\right)}$

Parameters:

 $\begin{array}{l} \text{Q:} & -\frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_2R_4-R_2R_5-R_4R_5}}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5-C_5R_2R_4R_5} \\ \text{wo:} & \frac{\sqrt{R_2R_4-R_2R_5-R_4R_5}}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}} \\ \text{bandwidth:} & -\frac{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5-C_5R_2R_4R_5}{C_3C_5R_2R_3R_4R_5} \\ \text{W. I.B. 0} \end{array}$

K-LP: 0 K-HP: $-\frac{R_1R_6}{R_2}$

K-BP: $\frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 - C_5R_2R_4R_5}$

Qz: None Wz: None

8.23 X-INVALID-NUMER-23 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4$ $H(s) = \frac{-C_3C_5C_6R_2R_3R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 - C_5C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 - C_3C_6R_3R_4R_5 - C_3C_6R_5R_5 - C_3C_6R_5R_5 - C_3C_6R_5R_5 - C_3C_6R_5R_5 - C_3C_6R_5R_5 - C_3$

Parameters:

Q: $-\frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_2}R_4 - R_2R_5 - R_4R_5}{C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 - C_5R_2R_4R_5}$ wo: $\frac{\sqrt{R_2R_4 - R_2R_5 - R_4R_5}}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $-\frac{C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 - C_5R_2R_4R_5}{C_3C_5R_2R_3R_4R_5}$

K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$

K-HP: 0

 $\text{K-BP: } \frac{C_3C_5R_1R_2R_4R_5}{C_3C_6R_1R_4R_5-C_3C_6R_2R_3R_4+C_3C_6R_2R_3R_5+C_3C_6R_2R_4R_5+C_3C_6R_3R_4R_5-C_5C_6R_2R_4R_5}$

Qz: None Wz: None

8.24 X-INVALID-NUMER-24 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_2R_6s + C_3R_1R_2}{C_3C_4C_6R_2R_3R_5s^2 - C_6R_2 + C_6R_5 + s\left(C_3C_6R_1R_5 - C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_3R_5 + C_4C_6R_2R_5\right)}$$

Parameters:

 $\begin{array}{l} \text{Q: } \frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-R_2+R_5}}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5}\\ \text{wo: } \frac{\sqrt{-R_2+R_5}}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}\\ \text{bandwidth: } \frac{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5}{C_3C_4R_2R_3R_5}\\ \text{K-LP: } -\frac{C_3R_1R_2}{C_6R_2-C_6R_5}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_3R_1R_2+C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5}\\ \text{Qz: None} \end{array}$

8.25 X-INVALID-NUMER-25 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^2\left(C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2\right)}$$

Parameters:

Wz: None

 $\begin{array}{l} Q\colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_3R_1+C_3R_2+C_3R_3+C_4R_2-C_5R_2}\\ \text{wo: } \sqrt{\frac{1}{C_3C_4R_2R_3-C_3C_5R_2R_3}}\\ \text{bandwidth: } \frac{(C_3R_1+C_3R_2+C_3R_3+C_4R_2-C_5R_2)\sqrt{\frac{1}{C_3C_4R_2R_3}-\frac{1}{C_3C_5R_2R_3}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ \text{K-BP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_3C_6R_3+C_4C_6R_2-C_5C_6R_2}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$

8.26 X-INVALID-NUMER-26 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^2\left(C_3C_4R_2R_3R_5 - C_3C_5R_2R_3R_5\right) + s\left(C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_4R_2R_5 - C_5R_2R_5\right)}$$

Parameters:

 $\begin{array}{l} Q\colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5-C_5R_2R_5}\\ \text{wo: } \sqrt{\frac{-R_2+R_5}{C_3C_4R_2R_3R_5-C_3C_5R_2R_3R_5}}\\ \text{bandwidth: } \frac{\sqrt{\frac{-R_2+R_5}{C_3C_4R_2R_3R_5-C_3C_5R_2R_3R_5}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ \text{K-BP: } \frac{C_3R_1R_2R_6}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_2R_5}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$

8.27 X-INVALID-NUMER-27
$$Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_5s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_2R_3R_5 - C_3C_5C_6R_2R_3R_5\right) + s\left(C_3C_6R_1R_5 - C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_3R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5-C_5R_2R_5}$ bandwidth: $\frac{\sqrt{\frac{-R_2+R_5}{C_3C_4R_2R_3R_5-C_3C_5R_2R_3R_5}}(C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5-C_5R_2R_5)}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}}$ K-LP: $-\frac{C_3R_1R_2}{C_6R_2-C_6R_5}$ K-HP: 0 K-BP: $\frac{C_3C_5R_1R_2R_5}{C_3C_6R_1R_5-C_3C_6R_2R_3+C_3C_6R_2R_5+C_3C_6R_3R_5+C_4C_6R_2R_5-C_5C_6R_2R_5}$ Qz: None Wz: None

8.28 X-INVALID-NUMER-28 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s$ $H(s) = \frac{C_3C_4R_1R_2R_4R_6s + C_3R_1R_2R_6s}{-R_2 + R_5 + s^2\left(C_3C_4R_1R_4R_5 - C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_4R_5 + C_3C_4R_3R_4R_5\right) + s\left(C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 - C_4R_2R_4 + C_4R_2R_5 + C_4R_4R_5\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_3}\sqrt{C_4}R_1R_4R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_4 - \frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5 - \frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_5} + \frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{R_2}{R$ Wo: $\sqrt{\frac{-R_2+R_5}{C_3C_4R_1R_4R_5-C_3C_4R_2R_3R_4+C_3C_4R_2R_3R_5+C_3C_4R_2R_4R_5+C_3C_4R_3R_4R_5}}$ $\frac{\sqrt{C_3}\sqrt{C_4}R_1R_4R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4}+\frac{R_2}{R_1R_4R_5-R_2R_3R_4}+\frac{R_2}{R_1R_4R_5$

 $\begin{array}{l} \text{K-HP:} \ \, \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP:} \ \, \frac{C_3R_1R_2R_6}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5-C_4R_2R_4+C_4R_2R_5+C_4R_4R_5} \\ \text{Qz:} \ \, \text{None} \end{array}$

Wz: None

8.29 X-INVALID-NUMER-29 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $C_3C_4R_1R_2R_4s + C_3R_1R_2$ $H(s) = \frac{-C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_1R_4R_5 - C_3C_4C_6R_2R_3R_4 + C_3C_4C_6R_2R_3R_5 + C_3C_4C_6R_2R_4R_5 + C_3C_4C_6R_3R_4R_5\right) + s\left(C_3C_6R_1R_5 - C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_$

Parameters:

 $Q: \frac{\sqrt{C_3}\sqrt{C_4}R_1R_4R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_3R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_3R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_$ Wo: $\sqrt{\frac{-R_2+R_5}{C_3C_4R_1R_4R_5-C_3C_4R_2R_3R_4+C_3C_4R_2R_3R_5+C_3C_4R_2R_4R_5+C_3C_4R_3R_4R_5}}$

 $\frac{R_2}{\sqrt{C_3}\sqrt{C_4}R_1R_4R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R_1R_4R_5}+\frac{R_5}{R$

K-HP: 0

K-BP: $\frac{C_3C_4R_1R_2R_4}{C_3C_6R_1R_5-C_3C_6R_2R_3+C_3C_6R_2R_5+C_3C_6R_3R_5-C_4C_6R_2R_4+C_4C_6R_2R_5+C_4C_6R_4R_5}$ Qz: None

8.30 X-INVALID-NUMER-30
$$Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{C_3C_4C_6R_2R_3R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_5R_5 + C_3C_6R_5 + C$$

Parameters:

Q: $\frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5}{C_3C_4R_2R_3R_4R_5}$

K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 + C_4R_2R_4R_5}$

Qz: None Wz: None

8.31 X-INVALID-NUMER-31 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_3C_4C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4\right) + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

Parameters:

 $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_4-C_5}}}{C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4+C_4R_2R_4-C_5R_2R_4}$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_3 C_4 R_2 R_3 R_4 - C_3 C_5 R_2 R_3 R_4}}$

bandwidth: $\frac{\sqrt{R_2 + R_4}(C_3 R_1 R_4 + C_3 R_2 R_3 + C_3 R_2 R_4 + C_3 R_3 R_4 + C_4 R_2 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_3 C_4 R_2 R_3 R_4 - C_3 C_5 R_2 R_3 R_4}}}{\sqrt{C_3 C_4 \sqrt{R_2} \sqrt{R_3} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_3 C_5 \sqrt{R_2} \sqrt{R_3} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_4 - C_5}}}$

K-LP: 0

K-HP: $\frac{C_5 R_1 R_6}{C_4 R_3 - C_5 R_3}$

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4}$

Qz: None

Wz: None

8.32 X-INVALID-NUMER-32 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_3C_4R_2R_3R_4R_5 - C_3C_5R_2R_3R_4R_5\right) + s\left(C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 + C_4R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

Parameters:

Q:
$$\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5}$$

 $\sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_3C_4R_2R_3R_4R_5-C_3C_5R_2R_3R_4R_5}}(C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5)$ bandwidth:

 $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}$

K-LP: 0

K-HP: $\frac{C_5 R_1 R_6}{C_4 R_3 - C_5 R_3}$

K-BP: $\frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5}{\rm Qz.\ None}$

Wz: None

8.33 X-INVALID-NUMER-33
$$Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_3C_4C_6R_2R_3R_4R_5 - C_3C_5C_6R_2R_3R_4R_5\right) + s\left(C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5\right)}$$

```
Q \colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5}
          \frac{\sqrt{C_3C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}-\sqrt{C_3C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}}{\sqrt{R_3C_4\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}}}
          K-HP: 0
          \begin{array}{l} \text{K-BP:} \ \frac{C_3C_5R_1R_2R_4R_5}{C_3C_6R_1R_4R_5-C_3C_6R_2R_3R_4+C_3C_6R_2R_3R_5+C_3C_6R_2R_4R_5+C_3C_6R_3R_4R_5+C_4C_6R_2R_4R_5-C_5C_6R_2R_4R_5} \\ \text{Qz: None} \end{array} 
          Wz: None
8.34 X-INVALID-NUMER-34 Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                          C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6
                                         H(s) = \frac{C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s^2\left(C_3C_6R_1R_3R_4R_5R_6 + C_3C_6R_2R_3R_4R_5 + C_3R_1R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6 + C_6R_3R_4R_5R_6\right)}
    Parameters:
       \begin{array}{l} \text{Q:} \ \frac{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_2}\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{C_3R_1R_3R_4R_5+C_3R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6} \\ \text{wo:} \ \frac{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_3C_6R_1R_3R_4R_5R_6+C_3C_6R_2R_3R_4R_5R_6}} \\ \text{bandwidth:} \ \frac{C_3R_1R_3R_4R_5+C_3R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6}}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_2}\sqrt{C_3}C_6R_1R_3R_4R_5R_6+C_6R_2R_3R_4R_5R_6}} \\ \text{K-LP:} \ \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{R_1R_4R_5-R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-HP:} \ 0 \end{array}
          \text{K-BP:} \ \frac{C_3R_1R_2R_3R_4R_6}{C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6 + C_6R_3R_4R_5R_6} 
           Qz: None
           Wz: None
8.35 X-INVALID-NUMER-35 Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
                                                                                   H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_3C_6R_1R_3R_4R_6 + C_3C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6\right) + s\left(C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4 + C_6R_1R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6\right)}
     Parameters:
                   \frac{C_3\sqrt{C_6}R_1\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}+C_3\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_4+R_3R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1R_4+R_2R_3+R_4+R_3}-C_6\sqrt{R_1R_4+R_2R_3+R_4+R_3}-C_6\sqrt{R_1R_4+R_2R_3+R_4+R_3}-C_6\sqrt{R_1R_4+R_3}-C_6\sqrt{R_1R_4+R_3}-C_6\sqrt{R_1R_4+R_3}-C_6\sqrt{
         wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3C_6R_1R_3R_4R_6 + C_5C_6R_2R_3R_4R_6}}

\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_3R_1R_3R_4 + C_5R_2R_3R_4 + C_6R_1R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_3R_4R_6)}\sqrt{\frac{1}{C_3C_6R_1R_3R_4R_6 + C_5C_6R_2R_3R_4R_6}}
         K-LP: 0
         K-HP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}
        K-BP: \frac{C_5R_1R_2R_4R_6}{C_3R_1R_3R_4+C_3R_2R_3R_4-C_5R_2R_3R_4+C_6R_1R_4R_6+C_6R_2R_3R_6+C_6R_2R_4R_6+C_6R_3R_4R_6} Qz: None
          Wz: None
8.36 X-INVALID-NUMER-36 Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_3C_5R_1R_3R_4R_5 + C_3C_5R_2R_3R_4R_5\right) + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_4R_5 + C_5R_3R_4R_5\right)}
     Parameters:
        Q: \frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_3R_1R_3R_4+C_3R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5} wo: \frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_3C_5R_1R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}}{\sqrt{C_3\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_5R_1R_3R_4R_5+C_5R_2R_3R_4+C_5R_2R_3R_4+C_5R_2R_3R_4R_5}}} bandwidth: \frac{C_3R_1R_3R_4+C_3R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{\sqrt{C_3\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_5R_1R_3R_4R_5+C_3C_5R_2R_3R_4R_5}}} W. I.P. 0
```

K-LP: 0

K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$

K-BP: $\frac{C_5 R_1 R_2 R_4 R_6}{C_3 R_1 R_3 R_4 + C_3 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5}$

Qz: None Wz: None

8.37 X-INVALID-NUMER-37 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4$

 $H(s) = \frac{1}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_2R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_$

Parameters:

Q: $\frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_3R_1R_3R_4+C_3R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_3C_5R_1R_3R_4R_5+C_3C_5R_2R_3R_4R_5}}$ bandwidth: $\frac{C_3R_1R_3R_4+C_3R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_3R_5+C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_3R_4R_5}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_5R_1R_3R_4R_5+C_3C_5R_2R_3R_4R_5}}$ K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_3R_4}{C_3C_6R_1R_3R_4+C_5C_6R_2R_3R_4+C_5C_6R_1R_4R_5-C_5C_6R_2R_3R_4+C_5C_6R_2R_3R_5+C_5C_6R_2R_4R_5+C_5C_6R_3R_4R_5}$ Qz: None

Wz: None

8.38 X-INVALID-NUMER-38 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3R_1R_2R_3R_6s + R_1R_2R_6}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_3C_6R_1R_3R_5R_6 + C_3C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_5R_6 + C_6R_3R_5R_6\right)}$

Parameters:

Q: $\frac{\sqrt{C_6}\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_2R_3+R_5+R_3R_5}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_3C_6R_1R_3R_5R_6+C_3C_6R_2R_3R_5+C_4C_6R_2R_3R_5+C_6}}$ bandwidth: $\frac{C_3R_1R_3R_5+C_3C_6R_2R_3R_5+C_4C_6R_2R_3R_5+C_6R_1R_5R_6-C_6R_2R_3R_6+C_6R_2R_5R_6+C_6R_3R_5R_6}{\sqrt{C_6}\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_3C_6R_1R_3R_5R_6+C_3C_6R_2R_3R_5+C_4C_6R_2R_3R_5+C_6R_2R_3R_5+C_4C_6R_2R_3R_5+C_6R_2R_3R_5R_6}}$ K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0

 $\text{K-BP: } \frac{C_3R_1R_2R_3R_6}{C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_5R_6 + C_6R_3R_5R_6}$

Qz: None

Wz: None

8.39 X-INVALID-NUMER-39 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^2\left(C_3C_6R_1R_3R_6 + C_3C_6R_2R_3R_6 + C_4C_6R_2R_3R_6 - C_5C_6R_2R_3R_6\right) + s\left(C_3R_1R_3 + C_4R_2R_3 - C_5R_2R_3 + C_6R_1R_6 + C_6R_2R_6 + C_6R_3R_6\right)}$

Parameters:

 $\frac{C_3\sqrt{C_6}R_1\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_3\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} - C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} \\ - C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3+C_6R_1R_6+C_6R_2R_6+C_6R_3R_6$

wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 C_6 R_1 R_3 R_6 + C_3 C_6 R_2 R_3 R_6 + C_4 C_6 R_2 R_3 R_6 - C_5 C_6 R_2 R_3 R_6}}$

 $\sqrt{R_1 + R_2 + R_3} (C_3 R_1 R_3 + C_3 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3 + C_6 R_1 R_6 + C_6 R_2 R_6 + C_6 R_3 R_6) \sqrt{\frac{1}{C_3 C_6 R_1 R_3 R_6 + C_3 C_6 R_2 R_3 R_6 + C_4 C_6 R_2 R_3 R_6 - C_5 C_6 R_2 R_3 R_6}}$

 $\frac{\text{bandwidth:}}{C_3\sqrt{C_6}R_1\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_3\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+C_3R_2+C_4R_2-C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_6}\sqrt{R_1+C_3R_2+C_4R_2-C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_1+C_3R_2+C_4R_2-C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_1+C_3R_2+C$

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_5R_1R_2R_6}{C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3+C_6R_1R_6+C_6R_2R_6+C_6R_3R_6}$ Qz: None

8.40 X-INVALID-NUMER-40 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^2\left(C_3C_5R_1R_3R_5 + C_3C_5R_2R_3R_5 + C_4C_5R_2R_3R_5\right) + s\left(C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 + C_5R_1R_5 - C_5R_2R_3 + C_5R_2R_5 + C_5R_3R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}\sqrt{R_1+R_2+R_3}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_3R_1R_3+C_3R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_3C_5R_1R_3R_5+C_3C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ bandwidth: $\frac{C_3R_1R_3+C_3R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_3C_5R_1R_3R_5+C_3C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ K-BP: $\frac{C_5R_1R_2R_6}{C_3R_1R_3+C_3R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ Qz: None

Wz: None

8.41 X-INVALID-NUMER-41 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5\right) + s\left(C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_5C_6R_1R_5 - C_5C_6R_2R_3 + C_5C_6R_2R_5 + C_5C_6R_2R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}\sqrt{R_1+R_2+R_3}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_3R_1R_3+C_3R_2+C_4R_2}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_3C_5R_1R_3R_5+C_3C_5R_2R_3+C_4C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}}$ bandwidth: $\frac{C_3R_1R_3+C_3R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}\sqrt{C_3}R_1+C_3R_2+C_4R_2\sqrt{C_3}C_5R_1R_3R_5+C_3C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_3}{C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3+C_5C_6R_1R_5-C_5C_6R_2R_3+C_5C_6R_2R_5+C_5C_6R_3R_5}$ Qz: None

Wz: None

8.42 X-INVALID-NUMER-42 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6$

 $H(s) = \frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + S^2\left(C_3C_6R_1R_3R_4R_5R_6 + C_4C_6R_2R_3R_4R_5 + S^2\left(C_3R_1R_3R_4R_5 + C_4R_2R_3R_4R_5 + C_4R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 + C_6R_2R_3R_4R_5 + C_6R_2R_3$

Parameters:

 $\begin{array}{l} \text{Q:} \ \frac{\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3}R_1 + C_3R_2 + C_4R_2}{\sqrt{R_1}R_4R_5 - R_2}\sqrt{R_1}R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5} \\ \text{wo:} \ \frac{\sqrt{R_1}R_4R_5 - R_2R_3R_4R_5 + C_4R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6 + C_6R_3R_4R_5R_6 + C_6R_2R_3R_4R_5 + R_2R_4R_5 + R_3R_4R_5}{\sqrt{C_3}C_6R_1R_3R_4R_5R_6 + C_3R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5R_6 + C_6R_2R_3R_4R_5 + C_6R_2R$

 $\text{K-BP: } \frac{C_3R_1R_2R_3R_4R_6}{C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 + C_4R_2R_3R_4R_5 + C_6R_1R_4R_5R_6 - C_6R_2R_3R_4R_6 + C_6R_2R_3R_5R_6 + C_6R_2R_4R_5R_6 + C_6R_3R_4R_5R_6}$

Qz: None Wz: None

8.43 X-INVALID-NUMER-43 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_3C_6R_1R_3R_4R_6 + C_4C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6\right) + s\left(C_3R_1R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4 + C_6R_1R_4R_6 + C_6R_2R_3R_6 + C_6R_2R_4R_6 + C_6R_2R_4R_6\right)}$$

Parameters:

 $\frac{C_3\sqrt{C_6}R_1\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}{\sqrt{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_3\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_4\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_3 - C_5R_2}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_3 - C_5R_3}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_3 - C_5R_3}} + C_5\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_3}} + C_5R_3R_4 + C_6R_3R_4R_6}$

wo: $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_3C_6R_1R_3R_4R_6 + C_3C_6R_2R_3R_4R_6 + C_4C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6}}$

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_3R_1R_3R_4+C_3R_2R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4+C_6R_1R_4R_6+C_6R_2R_3R_6+C_6R_2R_4R_6+C_6R_3R_4R_6}{Qz. \text{ None}}$

Wz: None

8.44 X-INVALID-NUMER-44 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s$ $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_3C_5R_1R_3R_4R_5 + C_3C_5R_2R_3R_4R_5 + C_4C_5R_2R_3R_4R_5\right) + s\left(C_3R_1R_3R_4 + C_4R_2R_3R_4 + C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3}R_1 + C_3}{C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2}\sqrt{R_1R_4 + R_2}\sqrt{R_1R_4 + R_2}R_3 + R_2}{R_4R_5 + C_5R_2R_3R_4 + C_5R_2R_3R_4 + C_5}$ wo: $\frac{\sqrt{R_1R_4 + R_2R_3 + R_2}R_4 + R_3R_4}{\sqrt{C_3C_5R_1R_3R_4 + C_5C_5R_2R_3R_4 + C_5}R_2R_3R_4}$ bandwidth: $\frac{C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 + C_5R_2R_3R_4}{\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3}R_1 + C_3R_2R_3R_4 + C_5R_2R_3R_4 + C_5}R_2R_3R_4 + C_5R_2R_3R_4 + C$

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$

 $\begin{array}{l} \text{K-BP:} \quad \frac{C_5 R_1 R_2 R_4 R_6}{C_3 R_1 R_3 R_4 + C_3 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5} \\ \end{array}$

Wz: None

8.45 X-INVALID-NUMER-45 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4$ $\frac{1}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4 + C_3C_6R_2R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_3R_1R_3R_4+C_3R_2R_3R_4+C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_3C_5R_1R_3R_4R_5+C_3C_5R_2R_3R_4R_5+C_4C_5R_2R_3R_4R_5}}$ bandwidth: $\frac{C_3R_1R_3R_4+C_3R_2R_3R_4+C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4+C_6R_2R_4+C_6R_3R_4+C_5R_4+C_6R_4+C_6R_5+C_6R_4+C_6R_5+C_6R_5+C_6R_4+C_6R_5+C_6R_5+C_6R_5+$

 $\text{K-BP: } \frac{C_3C_5R_1R_2R_3R_4}{C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_5C_6R_1R_4R_5 - C_5C_6R_2R_3R_4 + C_5C_6R_2R_3R_5 + C_5C_6R_2R_4R_5 + C_5C_6R_3R_4R_5}$ Qz: None

Wz: None

8.46 X-INVALID-NUMER-46 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_5C_6R_1R_4R_6s + C_5R_1R_4$ $H(s) = \frac{C_{3}C_{6}C_{1}C_{4}C_{5}C_{6}}{C_{6}R_{3} + C_{6}R_{4} + s^{2}\left(C_{2}C_{5}C_{6}R_{1}R_{4}R_{5} + C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}\right) + s\left(C_{2}C_{6}R_{1}R_{4} + C_{2}C_{6}R_{3}R_{4} - C_{5}C_{6}R_{3}R_{4} + C_{5}C_{6}R_{3}R_{5} + C_{5}C_{6}R_{4}R_{5}\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{R_3+R_4}}{C_2R_1R_4+C_2R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5}$ wo: $\frac{\sqrt{R_3+R_4}}{\sqrt{C_2C_5R_1R_4R_5+C_2C_5R_3R_4R_5}}$ bandwidth: $\frac{C_2R_1R_4+C_2R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_5R_1R_4R_5+C_2C_5R_3R_4R_5}}$ K-LP: $\frac{C_5R_1R_4}{C_6R_3+C_6R_4}$ K-HP: 0

K-BP: $\frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5}$ Qz: None

8.47 X-INVALID-NUMER-47 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_5 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_2 C_6 R_1 R_4 R_5 R_6 + C_2 C_6 R_3 R_4 R_5 R_6 - C_5 C_6 R_3 R_4 R_5 R_6\right) + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 - C_5 R_3 R_4 R_5 - C_6 R_3 R_4 R_6 + C_6 R_3 R_5 R_6 + C_6 R_4 R_5 R_6\right)}$$

Parameters:

 $\frac{C_2\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3R_4}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_3R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C$ $\sqrt{\frac{-R_3R_4+R_3R_5+R_4R_5}{C_2C_6R_1R_4R_5R_6+C_2C_6R_3R_4R_5R_6}}(C_2R_1R_4R_5+C_2R_3R_4R_5-C_5R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6})$ $\frac{R_3R_5}{+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0

K-BP: $\frac{C_5R_1R_4R_5R_6}{C_2R_1R_4R_5+C_2R_3R_4R_5-C_5R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6}$ Qz: None

Wz: None

8.48 X-INVALID-NUMER-48 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_1R_6s + C_5R_1}{C_6 + s^2\left(C_2C_5C_6R_1R_5 + C_2C_5C_6R_3R_5 + C_4C_5C_6R_3R_5\right) + s\left(C_2C_6R_1 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3 + C_5C_6R_5\right)}$$

Parameters:

K-LP: $\frac{C_5 R_1}{C_6}$ K-HP: 0

K-BP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3+C_5R_5}$ Qz: None

Wz: None

8.49 X-INVALID-NUMER-49 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_1 R_5 R_6 s + R_1 R_6}{-R_3 + R_5 + s^2 \left(C_2 C_6 R_1 R_5 R_6 + C_2 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 R_6 - C_5 C_6 R_3 R_5 R_6\right) + s \left(C_2 R_1 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5 - C_5 R_3 R_5 - C_6 R_3 R_6 + C_6 R_5 R_6\right)}$$

Parameters:

$$Q: \frac{\frac{C_2\sqrt{C_6}R_1\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_6}R_3\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_5\sqrt{C_6}R_3\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_5\sqrt{C_6}R_3\sqrt{R_5}\sqrt{R$$

 $\frac{-R_3 + R_5}{\sqrt{C_2 C_6 R_1 R_5 R_6 + C_2 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 + C_4 R_3 R_5 - C_5 R_5 R_5$

K-LP: $-\frac{R_1R_6}{R_3-R_5}$ K-HP: 0

K-BP: $\frac{C_5R_1R_5R_6}{C_2R_1R_5+C_2R_3R_5+C_4R_3R_5-C_5R_3R_5-C_6R_3R_6+C_6R_5R_6}$ Qz: None

Wz: None

8.50 X-INVALID-NUMER-50 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_4 R_1 R_4 R_6 s + R_1 R_6}{-R_3 + R_5 + s^2 \left(C_2 C_4 R_1 R_4 R_5 + C_2 C_4 R_3 R_4 R_5\right) + s \left(C_2 R_1 R_5 + C_2 R_3 R_5 - C_4 R_3 R_4 + C_4 R_3 R_5 + C_4 R_4 R_5\right)}$$

K-BP: $\frac{C_4R_1R_4R_6}{C_2R_1R_5+C_2R_3R_5-C_4R_3R_4+C_4R_3R_5+C_4R_4R_5}$ Qz: None Wz: None

8.51 X-INVALID-NUMER-51 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_4C_5R_1R_4R_6s^2 + C_5R_1R_6s}{s^2\left(C_2C_4R_1R_4 + C_2C_4R_3R_4 - C_4C_5R_3R_4\right) + s\left(C_2R_1 + C_2R_3 + C_4R_3 + C_4R_4 - C_5R_3\right) + 1}$$

Parameters:

 $Q\colon \frac{C_2\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+C_2\sqrt{C_4}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_4}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_2R_1+C_2R_3+C_4R_3+C_4R_4-C_5R_3}\\ \text{wo: } \sqrt{\frac{1}{C_2C_4R_1R_4+C_2C_4R_3R_4-C_4C_5R_3R_4}}\\ \text{bandwidth: } \frac{(C_2R_1+C_2R_3+C_4R_3+C_4R_4-C_5R_3)\sqrt{\frac{1}{C_2C_4R_1R_4+C_2C_4R_3R_4-C_4C_5R_3R_4}}}{C_2\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+C_2\sqrt{C_4}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_4C_5}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}\\ \text{K-BP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3+C_4R_4-C_5R_3}\\ \text{Qz: None}\\ \text{Wz: None}$

8.52 X-INVALID-NUMER-52 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5R_1R_4s + C_5R_1}{C_6 + s^2\left(C_2C_4C_6R_1R_4 + C_2C_4C_6R_3R_4 - C_4C_5C_6R_3R_4\right) + s\left(C_2C_6R_1 + C_2C_6R_3 + C_4C_6R_3 + C_4C_6R_4 - C_5C_6R_3\right)}$$

Parameters:

8.53 X-INVALID-NUMER-53 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_1R_4R_6s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^2\left(C_2C_5C_6R_1R_4R_5 + C_2C_5C_6R_3R_4R_5 + C_4C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4 + C_5C_6R_3R_5 + C_5C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_3+R_4}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5}$ wo: $\frac{\sqrt{R_3+R_4}}{\sqrt{C_2C_5R_1R_4R_5+C_2C_5R_3R_4R_5+C_4C_5R_3R_4R_5}}$ bandwidth: $\frac{C_2R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_5R_1R_4R_5+C_2C_5R_3R_4R_5+C_4C_5R_3R_4R_5}}$ K-LP: $\frac{C_5R_1R_4}{C_6R_3+C_6R_4}$ K-HP: 0 K-BP: $\frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5}$

Qz: None Wz: None

8.54 X-INVALID-NUMER-54 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_5 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_2 C_6 R_1 R_4 R_5 R_6 + C_2 C_6 R_3 R_4 R_5 R_6 + C_4 C_6 R_3 R_4 R_5 R_6 - C_5 C_6 R_3 R_4 R_5 R_6\right) + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 - C_5 R_3 R_4 R_5 - C_5 R_3 R_4 R_5 - C_6 R_3 R_4 R_5 + C_6 R_3 R_5 R_6 + C_6 R_4 R_5 R_6\right)}$$

Parameters:

 $Q: \frac{C_2\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_4\sqrt{C_6}R_3\sqrt{$ $\frac{-R_3R_4+R_3R_5+R_4R_5}{C_2C_6R_1A_4R_5R_6+C_2C_6R_3R_4R_5+C_2C_6R_3R_4R_5+C_2C_6R_3R_4R_5+C_2R_3R_4R_5+C_2R_3R_4R_5-C_5R_3R_4R_5-C_$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0

K-BP: $\frac{C_5R_1R_4R_5R_6}{C_2R_1R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5-C_5R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6}$ Qz: None

Wz: None

8.55 X-INVALID-NUMER-55 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{C_2C_3C_6R_1R_4R_5s^2 - C_6R_4 + C_6R_5 + s\left(C_2C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$ K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_6}{C_2R_5+C_3R_5}$

Qz: None Wz: None

8.56 X-INVALID-NUMER-56 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_2C_3C_6R_1R_4s^2 + C_6 + s\left(C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_4}+C_3\sqrt{R_4}-C_5\sqrt{R_4}}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_2\sqrt{R_4}+C_3\sqrt{R_4}-C_5\sqrt{R_4}}{C_2C_3R_1\sqrt{R_4}}$

K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2C_6+C_3C_6-C_5C_6}$ Qz: None

8.57 X-INVALID-NUMER-57 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{C_2C_3R_1R_4R_5s^2 - R_4 + R_5 + s\left(C_2R_4R_5 + C_3R_4R_5 - C_5R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$ W. I.D. 0

K-LP: 0

K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_5+C_3R_5-C_5R_5}$ Qz: None

Wz: None

8.58 X-INVALID-NUMER-58 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_5s + C_3R_1R_4}{C_2C_3C_6R_1R_4R_5s^2 - C_6R_4 + C_6R_5 + s\left(C_2C_6R_4R_5 + C_3C_6R_4R_5 - C_5C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6-C_5C_6}$ Qz: None

Wz: None

8.59 X-INVALID-NUMER-59 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 C_6 R_1 R_6 s + C_3 R_1}{C_2 C_3 C_6 R_1 R_5 s^2 - C_6 + s \left(C_2 C_6 R_5 + C_3 C_6 R_5 + C_4 C_6 R_5\right)}$$

Parameters:

WO: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1}{C_6}$

K-HP: 0 K-BP: $\frac{C_3R_1R_6}{C_2R_5+C_3R_5+C_4R_5}$ Qz: None Wz: None

8.60 X-INVALID-NUMER-60 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_6s + C_3C_5R_1}{C_2C_3C_5C_6R_1R_5s^2 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_5C_6R_5 + C_3C_5C_6R_5 + C_4C_5C_6R_5\right)}$$

bandwidth: $\frac{C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}{C_2C_3C_5R_1R_5}$

K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}$ Qz: None

Wz: None

8.61 X-INVALID-NUMER-61 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_5R_6s^2 + C_3R_1R_6s}{C_2C_3R_1R_5s^2 + s\left(C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5\right) - 1}$$

Parameters:

Q: $\frac{i\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}-C_5\sqrt{R_5}}$ wo: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}-C_5\sqrt{R_5}}{C_2C_3R_1\sqrt{R_5}}$

K-LP: 0

K-HP: $\frac{C_5R_6}{C_2}$ K-BP: $\frac{C_3R_1R_6}{C_2R_5+C_3R_5+C_4R_5-C_5R_5}$ Qz: None

Wz: None

8.62 X-INVALID-NUMER-62 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_5s + C_3R_1}{C_2C_3C_6R_1R_5s^2 - C_6 + s\left(C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{i\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}-C_5\sqrt{R_5}}$ wo: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}-C_5\sqrt{R_5}}{C_2C_3R_1\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1}{C_6}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ Qz: None Wz: None

8.63 X-INVALID-NUMER-63 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2C_3C_4R_1R_4s^2 + C_2 + C_3 + C_4 - C_5 + s\left(C_2C_3R_1 + C_2C_4R_4 + C_3C_4R_4 - C_4C_5R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{C_2+C_3+C_4-C_5}}{C_2C_3R_1+C_2C_4R_4+C_3C_4R_4-C_4C_5R_4}$ wo: $\frac{\sqrt{C_2}+C_3+C_4-C_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_2C_3R_1+C_2C_4R_4+C_3C_4R_4-C_4C_5R_4}{C_2C_3C_4R_1R_4}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2C_3R_1+C_2C_4R_4+C_3C_4R_4-C_4C_5R_4}$ Qz: None

8.64 X-INVALID-NUMER-64
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_4C_5R_1R_4s + C_3C_5R_1}{C_2C_3C_4C_6R_1R_4s^2 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_4C_6R_4 + C_3C_4C_6R_4 - C_4C_5C_6R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{C_2+C_3+C_4-C_5}}{C_2C_3R_1+C_2C_4R_4+C_3C_4R_4-C_4C_5R_4}$ wo: $\frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_2C_3R_1+C_2C_4R_4+C_3C_4R_4-C_4C_5R_4}{C_2C_3C_4R_1R_4}$ K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: 0

K-BP: $\frac{C_3C_4C_5R_1R_4}{C_2C_3C_6R_1+C_2C_4C_6R_4+C_3C_4C_6R_4-C_4C_5C_6R_4}$ Qz: None Wz: None

8.65 X-INVALID-NUMER-65 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{C_2C_3C_6R_1R_4R_5s^2 - C_6R_4 + C_6R_5 + s\left(C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_6}{C_2R_5+C_3R_5+C_4R_5}$ Qz: None

Wz: None

8.66 X-INVALID-NUMER-66 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_2C_3C_6R_1R_4s^2 + C_6 + s\left(C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_4}+C_3\sqrt{R_4}+C_4\sqrt{R_4}-C_5\sqrt{R_4}}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_2\sqrt{R_4}+C_3\sqrt{R_4}+C_4\sqrt{R_4}-C_5\sqrt{R_4}}{C_2C_3R_1\sqrt{R_4}}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ Qz: None

Wz: None

8.67 X-INVALID-NUMER-67 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{C_2C_3R_1R_4R_5s^2 - R_4 + R_5 + s\left(C_2R_4R_5 + C_3R_4R_5 + C_4R_4R_5 - C_5R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$

bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$ K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_5+C_3R_5+C_4R_5-C_5R_5}$ Qz: None

Wz: None

8.68 X-INVALID-NUMER-68 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_5s + C_3R_1R_4}{C_2C_3C_6R_1R_4R_5s^2 - C_6R_4 + C_6R_5 + s\left(C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5 - C_5C_6R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}+C_4\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ Qz: None

Wz: None

8.69 X-INVALID-NUMER-69 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s\left(C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-R_4+R_5}}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$ bandwidth: $\frac{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$ K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_4R_6}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5}$ Qz: None

Wz: None

8.70 X-INVALID-NUMER-70 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_3R_4 - C_3C_5C_6R_3R_4\right) + s\left(C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 - C_5C_6R_4\right)}$

Parameters:

 $\text{Q: } \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} }{C_2R_4+C_3R_3+C_3R_4-C_5R_4}$

Q: $\frac{C_2R_4 + C_3R_3 + C_3R_4 - C_5R_4}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}$ wo: $\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}}$ bandwidth: $\frac{(C_2R_4 + C_3R_3 + C_3R_4 - C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}}}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}}$

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}$ K-BP: $\frac{C_3C_5R_1R_4}{C_2C_6R_4+C_3C_6R_3+C_3C_6R_4-C_5C_6R_4}$ Qz: None

8.71 X-INVALID-NUMER-71
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_3R_4R_5 - C_3C_5R_3R_4R_5\right) + s\left(C_2R_4R_5 - C_3R_3R_4 + C_3R_3R_5 + C_3R_4R_5 - C_5R_4R_5\right)}$$

Parameters:

$$Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C$$

8.72 X-INVALID-NUMER-72 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_5s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5 - C_5C_6R_4R_5\right)}$$

Parameters:

$$Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + C_2R_1+C_2R_3-C_5R_3}}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5-C_5R_4R_5} \\ wo: \sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5-C_3C_5R_3R_4R_5}} \\ bandwidth: \frac{-\frac{R_4+R_5}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3R_4R_5-C_3C_5R_3R_4R_5}}{C_2R_4R_5-C_3R_3R_4R_5+C_3R_3R_4+C_3R_3R_5+C_3R_4R_5-C_5R_4R_5}} \\ c_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5-C_5R_4R_5} \\ bandwidth: \frac{-\frac{R_4+R_5}{C_2C_3R_3R_4R_5-C_3C_5R_3R_4R_5-C_3C_5R_3R_4R_5}}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + C_2R_1+C_2R_3-C_5R_3}}} \\ c_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5-C_5R_4R_5} \\ bandwidth: \frac{-\frac{R_4+R_5}{C_2C_3R_1R_4R_5-C_3C_3R_3R_4R_5-C_3C_5R_3R_4R_5}}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3}$$

8.73 X-INVALID-NUMER-73 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_6s + C_3R_1}{-C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_3C_4C_6R_3R_5\right) + s\left(C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_4C_6R_5\right)}$$

Parameters:

8.74 X-INVALID-NUMER-74 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_6s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_5C_6R_1R_5 + C_2C_3C_5C_6R_3R_5 + C_3C_4C_5R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_2C_5C_6R_5 + C_3C_4C_6R_3 - C_3C_5C_6R_3 + C_3C_5C_6R_5 + C_4C_5C_6R_5\right)}$$

Q: $\frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_5}\sqrt{C_2}R_1 + C_2}{C_2C_3R_1 + C_2C_3R_3 + C_2C_5R_5 + C_3C_4R_3 - C_3C_5R_3 + C_3C_5R_5 + C_4C_5R_5}$ wo: $\frac{\sqrt{C_2 + C_3 + C_4 - C_5}}{\sqrt{C_2C_3C_5}R_1R_5 + C_2C_3C_5R_3R_5 + C_3C_4C_5R_3R_5}$ bandwidth: $\frac{C_2C_3R_1 + C_2C_3R_3 + C_2C_5R_5 + C_3C_4R_3 - C_3C_5R_3 + C_3C_5R_5 + C_4C_5R_5}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_5}\sqrt{C_2}R_1 + C_2C_3R_3 + C_2C_5R_5 + C_3C_4R_3 - C_3C_5R_3 + C_3C_5R_3R_5 + C_3C_4C_5R_3R_5}}$ K-LP: $\frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6}$ K-HP: 0
K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1 + C_2C_3R_3 + C_2C_5R_5 + C_3C_4R_3 - C_3C_5R_3 + C_3C_5R_5 + C_4C_5R_5}}$ Qz: None Wz: None

8.75 X-INVALID-NUMER-75 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_5R_6s^2 + C_3R_1R_6s}{s^2\left(C_2C_3R_1R_5 + C_2C_3R_3R_5 + C_3C_4R_3R_5 - C_3C_5R_3R_5\right) + s\left(C_2R_5 - C_3R_3 + C_3R_5 + C_4R_5 - C_5R_5\right) - 1}$

Parameters:

 $\begin{array}{c} Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ wo: \sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5-C_3C_5R_3R_5}} \\ bandwidth: \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5-C_3C_5R_3R_5}} \\ \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5-C_3C_5R_3R_5}} (C_2R_5-C_3R_3+C_3R_5+C_4R_5-C_5R_5)} {C_2\sqrt{C_3}R_1\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ K-P: \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ K-P: \frac{C_3R_1R_6}{C_2R_5-C_3R_3+C_3R_5+C_4R_5-C_5R_5}} \\ Qz: None \\ Wz: None \\ \end{array}$

8.76 X-INVALID-NUMER-76 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_5s + C_3R_1}{-C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_3C_4C_6R_3R_5 - C_3C_5C_6R_3R_5\right) + s\left(C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$

Parameters:

$$Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ wo: \sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5-C_3C_5R_3R_5}} \\ bandwidth: \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5-C_3C_5R_3R_5}} \\ \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5-C_3C_5R_3R_5}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2$$

8.77 X-INVALID-NUMER-77 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_4R_3R_4 - C_3C_4C_5R_3R_4\right) + s\left(C_2C_3R_1 + C_2C_3R_3 + C_2C_4R_4 + C_3C_4R_3 + C_3C_4R_4 - C_3C_5R_3 - C_4C_5R_4\right)}$

Parameters:

 $Q: \frac{C_2\sqrt{C_3}\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{C_2}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3-C_5R_3} - \frac{C_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3-C_5R_3} - \frac{C_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{C_5}{C_2R_1+C_2R_3-C_5R_3}$

K-HP: $\frac{C_5 R_1 R_6}{C_2 R_1 + C_2 R_3 - C_5 R_3}$

K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1+C_2C_3R_3+C_2C_4R_4+C_3C_4R_3+C_3C_4R_4-C_3C_5R_3-C_4C_5R_4}{\text{Qz: None}}$

Wz: None

8.78 X-INVALID-NUMER-78 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_3C_4C_5R_1R_4s + C_3C_5R_1$ $H(s) = \frac{C_3C_4C_5R_1R_4s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_3R_4 - C_3C_4C_5C_6R_3R_4\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_2C_4C_6R_4 + C_3C_4C_6R_3 + C_3C_4C_6R_4 - C_3C_5C_6R_3 - C_4C_5C_6R_4\right)}$

Parameters:

 $Q: \frac{C_2\sqrt{C_3}\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{C_2}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_5}{C_2R_1+C_2R_3-C_5R_3}$

 $\sqrt{\frac{C_{2}+C_{3}+C_{4}-C_{5}}{C_{2}C_{3}C_{4}R_{1}R_{4}+C_{2}C_{3}C_{4}R_{3}R_{4}-C_{3}C_{4}C_{5}R_{3}R_{4}}}(C_{2}C_{3}R_{1}+C_{2}C_{3}R_{3}+C_{2}C_{4}R_{4}+C_{3}C_{4}R_{3}+C_{3}C_{4}R_{4}-C_{3}C_{5}R_{3}-C_{4}C_{5}R_{4})$

 $\frac{\sqrt{C_2C_3C_4R_1R_4+C_2C_3C_4R_3R_4-C_3C_4C_5R_3R_4}}{C_2\sqrt{C_3}\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{C_2}{C_2R_1+C_2R_3-C_5R_3}} + \frac{C_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{C_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_5}{C_$

K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: 0

K-BP: $\frac{C_3C_4C_5R_1R_4}{C_2C_3C_6R_1+C_2C_3C_6R_3+C_2C_4C_6R_4+C_3C_4C_6R_3+C_3C_4C_6R_4-C_3C_5C_6R_3-C_4C_5C_6R_4}$ Qz: None

Wz: None

8.79 X-INVALID-NUMER-79 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 + C_3C_4C_6R_3R_4R_5\right) + s\left(C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5\right)}$

Parameters:

bandwidth: $\frac{C_2R_4R_5 + C_3C_3R_3R_4 + C_3R_3R_5 + C_3R_5}{\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2}R_1 + C_2R_3 + C_4R_3\sqrt{C_2}C_3R_1R_4R_5}}{K-LP: -\frac{C_3R_1R_4}{C_6R_4 - C_6R_5}}$ K-HP: 0

K-BP: $\frac{C_3R_1R_4R_6}{C_2R_4R_5 - C_3R_3R_4 + C_3R_3R_5 + C_3R_4R_5 + C_4R_4R_5}$

Qz: None Wz: None

8.80 X-INVALID-NUMER-80 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s$ $H(s) = \frac{1}{C_6 + s^2 \left(C_2 C_3 C_6 R_1 R_4 + C_2 C_3 C_6 R_3 R_4 + C_3 C_4 C_6 R_3 R_4 - C_3 C_5 C_6 R_3 R_4 \right) + s \left(C_2 C_6 R_4 + C_3 C_6 R_3 + C_3 C_6 R_4 + C_4 C_6 R_4 - C_5 C_6 R_4 \right)}$

Parameters:

 $\frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+C_2R_4+C_3R_3+C_4R_4-C_5R_4}$

Wo: $\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}$

 $\text{bandwidth: } \frac{(C_2R_4 + C_3R_3 + C_3R_4 + C_4R_4 - C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_3C_5R_3R_4}}}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} + C_3\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} + C_3\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} + C_3\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} - \sqrt{C_3}C_5R_3\sqrt{\frac{1}{C_3}C_3R_3}} - \sqrt{C_3}C_5R_3\sqrt{\frac{1}{C_3}C_3R_3}} - \sqrt{C_3}C_5R_3\sqrt{\frac{1}{C_3}C_3R_3}} - \sqrt{C_3}C_5R_3\sqrt{\frac{1}{C_3}C_3R_3} + C_3C_3C_3R_3\sqrt{\frac{1}{C_3}C_3R_3}} - \sqrt{C_3}C_5R_3\sqrt{\frac{1}{C_3}C_3R_3} - \sqrt{C_3}C_5R_3\sqrt{\frac{1}{C_3}C_3R_3}} - \sqrt{C_3}C_5R_3\sqrt{\frac{1}{C_3}C_3R_3} + C_3C_3C_3R_3\sqrt{\frac{1}{C_3}C_3R_3}} - \sqrt{C_3}C_3C_3C_3C_3C_3C_3C_3C_$

K-LP: 0

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}$ K-BP: $\frac{C_3C_5R_1R_4}{C_2C_6R_4+C_3C_6R_3+C_3C_6R_4+C_4C_6R_4-C_5C_6R_4}$ Qz: None

8.81 X-INVALID-NUMER-81
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_3R_4R_5 + C_3C_4R_3R_4R_5 - C_3C_5R_3R_4R_5\right) + s\left(C_2R_4R_5 - C_3R_3R_4 + C_3R_3R_5 + C_3R_4R_5 + C_4R_4R_5 - C_5R_4R_5\right)}$$

Parameters:

 $+ \underbrace{\frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3$ $\frac{-R_4 + R_5}{\sqrt{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_3 C_5 R_3 R_4 R_5}}}{\sqrt{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_3 C_5 R_3 R_4 R_5}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_$

K-LP: 0

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{K-BP: } \frac{C_3R_1R_4R_6}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5+C_4R_4R_5-C_5R_4R_5} \\ \text{Qz: None}$

Wz: None

8.82 X-INVALID-NUMER-82 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_5s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 + C_3C_4C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 - C_3C_6R_4R_5\right)}$$

Parameters:

 $Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_3+C$ wo: $\sqrt{\frac{-R_4 + R_5}{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_3 C_4 R_3 R_4 R_5 - C_3 C_5 R_3 R_4 R_5}$ $\frac{-R_4 + R_5}{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_3 C_3 R_3 R_4 R_5 - C_3 C_5 R_3 R_4 R_5}{C_2 C_3 R_1 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_3 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_3 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_3 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_3 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_3 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_3 R_3 + C_4 R_3 - C_5$ K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_4R_5}{C_2C_6R_4R_5-C_3C_6R_3R_4+C_3C_6R_3R_5+C_3C_6R_4R_5+C_4C_6R_4R_5-C_5C_6R_4R_5}$ Qz: None

Wz: None

8.83 X-INVALID-NUMER-83 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_3R_1R_3R_4R_6s + R_1R_4R_6}{C_2C_3R_1R_3R_4R_5s^2 - R_3R_4 + R_3R_5 + R_4R_5 + s\left(C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{C_2R_1\sqrt{R_4}\sqrt{R_5}+C_2R_3\sqrt{R_4}\sqrt{R_5}+C_3R_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}\sqrt{R_5}+C_2R_3\sqrt{R_4}\sqrt{R_5}+C_3R_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_3\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_3R_6}{C_2R_1R_5+C_2R_3R_5+C_3R_3R_5}$

Qz: None Wz: None

8.84 X-INVALID-NUMER-84 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3R_1R_3R_4s^2 + R_3 + R_4 + s\left(C_2R_1R_4 + C_2R_3R_4 + C_3R_3R_4 - C_5R_3R_4\right)}$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_3}+R_4}{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_3}+R_4}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}{C_2C_3R_1R_3\sqrt{R_4}}$

K-LP: 0K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_1+C_2R_3+C_3R_3-C_5R_3}$ Qz: None

Wz: None

8.85 X-INVALID-NUMER-85 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4s + C_5R_1R_4}{C_2C_3C_6R_1R_3R_4s^2 + C_6R_3 + C_6R_4 + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_3+R_4}}{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_3+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}{C_2C_3R_1R_3\sqrt{R_4}}$

K-LP: $\frac{C_5R_1R_4}{C_6R_3+C_6R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_3}{C_2C_6R_1+C_2C_6R_3+C_3C_6R_3-C_5C_6R_3}$ Qz: None

Wz: None

8.86 X-INVALID-NUMER-86 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_3 R_6 s + R_1 R_6}{C_2 C_3 R_1 R_3 R_5 s^2 - R_3 + R_5 + s \left(C_2 R_1 R_5 + C_2 R_3 R_5 + C_3 R_3 R_5 + C_4 R_3 R_5 \right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{-R_3+R_5}}{C_2R_1\sqrt{R_5}+C_2R_3\sqrt{R_5}+C_3R_3\sqrt{R_5}+C_4R_3\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_3+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1\sqrt{R_5}+C_2R_3\sqrt{R_5}+C_3R_3\sqrt{R_5}+C_4R_3\sqrt{R_5}}{C_2C_3R_1R_3\sqrt{R_5}}$

K-LP: $-\frac{R_1R_6}{R_3-R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_3R_6}{C_2R_1R_5+C_2R_3R_5+C_3R_3R_5+C_4R_3R_5}$ Qz: None

Wz: None

8.87 X-INVALID-NUMER-87 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_6s^2 + C_5R_1R_6s}{C_2C_3R_1R_3s^2 + s\left(C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}{C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$ bandwidth: $\frac{C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3}{C_2C_3R_1R_3}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_1+C_2R_3+C_3R_3+C_4R_3-C_5R_3}$ Qz: None

8.88 X-INVALID-NUMER-88 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3s + C_5R_1}{C_2C_3C_6R_1R_3s^2 + C_6 + s\left(C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}{C_2R_1+C_2R_3+C_3R_3+C_4R_3-C_5R_3}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$ bandwidth: $\frac{C_2R_1+C_2R_3+C_3R_3+C_4R_3-C_5R_3}{C_2C_3R_1R_3}$

K-LP: $\frac{C_5R_1}{C_6}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_3}{C_2C_6R_1+C_2C_6R_3+C_3C_6R_3+C_4C_6R_3-C_5C_6R_3}$ Qz: None

Wz: None

8.89 X-INVALID-NUMER-89 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3R_1R_3R_4R_6s + R_1R_4R_6}{C_2C_3R_1R_3R_4R_5s^2 - R_3R_4 + R_3R_5 + R_4R_5 + s\left(C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 + C_4R_3R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{-R_3}R_4 + R_3}{C_2R_1\sqrt{R_4}\sqrt{R_5} + C_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_3\sqrt{R_4}\sqrt{R_5} + C_4R_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_3}R_4 + R_3R_5 + R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}\sqrt{R_5} + C_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_3\sqrt{R_4}\sqrt{R_5} + C_4R_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_3\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_3R_6}{C_2R_1R_5+C_2R_3R_5+C_3R_3R_5+C_4R_3R_5}$ Qz: None

Wz: None

8.90 X-INVALID-NUMER-90 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3R_1R_3R_4s^2 + R_3 + R_4 + s\left(C_2R_1R_4 + C_2R_3R_4 + C_3R_3R_4 + C_4R_3R_4 - C_5R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_3+R_4}}{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}+C_4R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_3+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}+C_4R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}{C_2C_3R_1R_3\sqrt{R_4}}$

K-LP: 0K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_1+C_2R_3+C_3R_3+C_4R_3-C_5R_3}$ Qz: None

Wz: None

8.91 X-INVALID-NUMER-91 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4s + C_5R_1R_4}{C_2C_3C_6R_1R_3R_4s^2 + C_6R_3 + C_6R_4 + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_3+R_4}}{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}+C_4R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_3+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}+C_4R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}{C_2C_3R_1R_3\sqrt{R_4}}$

```
K-LP: \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}
K-HP: 0
K-BP: \frac{C_3C_5R_1R_3}{C_2C_6R_1+C_2C_6R_3+C_3C_6R_3+C_4C_6R_3-C_5C_6R_3} Qz: None
Wz: None
```

8.92 X-INVALID-NUMER-92 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$H(s) = \frac{C_2R_1R_2R_4R_6s + R_1R_4R_6}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_6R_1R_4R_5R_6 - C_2C_6R_2R_3R_4R_6 + C_2C_6R_2R_3R_5R_6 + C_2C_6R_2R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 - C_6R_3R_4R_6 + C_6R_3R_5R_6 + C_6R_4R_5R_6\right)}$

Parameters:

 $Q: \frac{\sqrt{C_2}\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_5}}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_5}}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_5}}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}} - \sqrt{C_2}\sqrt{C_6}R_2R_3R_4\sqrt{R_6}$ $\frac{1}{\sqrt{C_2\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4\sqrt{R_6}\sqrt{-\frac{R_3R_4}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0

K-BP: $\frac{C_2R_1R_2R_4R_6}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5-C_6R_3R_4R_6+C_6R_3R_5R_6+C_6R_4R_5R_6} \\ \text{Qz: None}$

Wz: None

8.93 X-INVALID-NUMER-93 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{-C_2C_5R_2R_3R_4s^2 + R_3 + R_4 + s\left(C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 - C_5R_3R_4\right)}$$

Parameters:

Q: $-\frac{i\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4}$ wo: $\frac{\sqrt{-R_3-R_4}}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{i\sqrt{-R_3-R_4}(C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4)}{C_2C_5R_2R_3R_4\sqrt{R_3+R_4}}$ K-LP: 0 K-HP: $-\frac{R_1R_6}{R_2}$ K-BP: $\frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4}$ Qz: None

8.94 X-INVALID-NUMER-94 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4s + C_5R_1R_4}{-C_2C_5C_6R_2R_3R_4s^2 + C_6R_3 + C_6R_4 + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

Parameters:

Wz: None

Q: $-\frac{i\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4}$ wo: $\frac{\sqrt{-R_3-R_4}}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{i\sqrt{-R_3-R_4}(C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4)}{C_2C_5R_2R_3R_4\sqrt{R_3+R_4}}$ K-LP: $\frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}$ K-HP: 0 K-BP: $\frac{C_2C_5R_1R_2R_4}{C_2C_6R_1R_4+C_2C_6R_2R_3+C_2C_6R_2R_4+C_2C_6R_3R_4-C_5C_6R_3R_4}$ Qz: None Wz: None

8.95 X-INVALID-NUMER-95 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{R_3 + R_4 + s^2\left(C_2C_5R_1R_4R_5 - C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_5 + C_2C_5R_2R_4R_5 + C_2C_5R_3R_4R_5\right) + s\left(C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 - C_5R_3R_4 + C_5R_3R_5 + C_5R_4R_5\right)}$$

Parameters:

 $\frac{\sqrt{C_2}\sqrt{C_5}R_1R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_5}R_2R_3R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_5}R_2R_3R_4+\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_5}R_2R_3R_4+\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_4R_5}}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_4R_5}}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}}}}}+\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}}}}}+\sqrt{C_2}\sqrt{C_5}R_3R_4+R_2R_3R_5}}+\sqrt{C_2}\sqrt{C_5}R_$ wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 C_5 R_1 R_4 R_5 - C_2 C_5 R_2 R_3 R_4 + C_2 C_5 R_2 R_3 R_5 + C_2 C_5 R_2 R_4 R_5 + C_2 C_5 R_3 R_4 R_5}$

 $\frac{\sqrt{R_3 + R_4}(C_2R_1R_4 + C_2R_3R_4 + C$

K-LP: 0

K-HP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP: } \frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4+C_5R_3R_5+C_5R_4R_5} \\ \text{Qz: None}$

Wz: None

8.96 X-INVALID-NUMER-96 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_2C_5R_1R_2R_4s + C_5R_1R_4$ $H(s) = \frac{C_2C_5R_1R_2R_4s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^2(C_2C_5C_6R_1R_4R_5 - C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_4R_5 + C_2C_5C_6R_3R_4R_5) + s(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_5 + C_5C_6R_3R_5 + C_5C_6R_3R_5 + C_5C_6R_3R_5 + C_5C_6R_3R_5 + C_5C_6R_3R_5 + C_5C_6R_5R_5 + C_5C_6R_5R_5 + C_5C_6R_5R_5 + C_5C_6R_5R_5 + C_5C_6R_5R_5 + C_5C_6$

Parameters:

 $Q: \frac{\sqrt{C_2\sqrt{C_5}R_1R_4R_5\sqrt{R_3}+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5\sqrt{R_3}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5\sqrt{R_3}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5\sqrt{R_3}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5\sqrt{R_3}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5\sqrt{R_3}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5\sqrt{R_3}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_2\sqrt{C_5}R_2R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2\sqrt{C_5}R_3R_4+R_2R_3R_5+R_2R_4R_$

wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 C_5 R_1 R_4 R_5 - C_2 C_5 R_2 R_3 R_4 + C_2 C_5 R_2 R_3 R_5 + C_2 C_5 R_2 R_4 R_5 + C_2 C_5 R_3 R_4 R_5}$

 $\sqrt{R_3 + R_4} (C_2 R_1 R_4 + C_2 R_2 R_3 + C_2 R_2 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4 + C_5 R_3 R_5 + C_5 R_4 R_5) \sqrt{\frac{1}{C_2 C_5 R_1 R_4 R_5 - C_2 C_5 R_2 R_3 R_4 + C_2 C_5 R_2 R_3 R_5 + C_2 C_5 R_2 R_4 R_5 + C_2 C_5 R_3 R_5 + C_2 C_5 R_3 R_5 + C_2 C_5 R_5 R_5$ $\frac{\sqrt{R_3 + R_4(C_2R_1R_4 + C_2R_2R_3 + C_2R_3R_4 + C_5R_3R_4 + C_5R_3R_4 + C_5R_3R_4 + C_5R_3R_4 + C_5R_3R_4 + C_5R_3R_4 + C_5R_5R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_2C_5R_2R_4R_5 + C_2C_5R_2R_4R_5 + C_2C_5R_2R_4R_$

K-LP: $\frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}$ K-HP: 0

K-BP: $\frac{C_2C_5R_1R_2R_4}{C_2C_6R_1R_4+C_2C_6R_2R_3+C_2C_6R_2R_4+C_2C_6R_3R_4-C_5C_6R_3R_4+C_5C_6R_3R_5+C_5C_6R_4R_5}$ Qz: None

Wz: None

8.97 X-INVALID-NUMER-97 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_2 R_1 R_2 R_6 s + R_1 R_6}{C_2 C_4 R_2 R_3 R_5 s^2 - R_3 + R_5 + s \left(C_2 R_1 R_5 - C_2 R_2 R_3 + C_2 R_2 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5 \right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-R_3+R_5}}{C_2R_1R_5-C_2R_2R_3+C_2R_2R_5+C_2R_3R_5+C_4R_3R_5}$ wo: $\frac{\sqrt{-R_3+R_5}}{\sqrt{C_2}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1R_5-C_2R_2R_3+C_2R_2R_5+C_2R_3R_5+C_4R_3R_5}{C_2C_4R_2R_3R_5}$

K-LP: $-\frac{R_1R_6}{R_3-R_5}$ K-HP: 0

K-BP: $\frac{C_2R_1R_2R_6}{C_2R_1R_5 - C_2R_2R_3 + C_2R_2R_5 + C_2R_3R_5 + C_4R_3R_5}$

Qz: None

Wz: None

8.98 X-INVALID-NUMER-98
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s}{s^2(C_2C_4R_2R_3 - C_2C_5R_2R_3) + s(C_2R_1 + C_2R_2 + C_2R_3 + C_4R_3 - C_5R_3) + 1}$$

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_2R_1+C_2R_2+C_2R_3+C_4R_3-C_5R_3}\\ \text{wo:} \ \sqrt{\frac{1}{C_2C_4R_2}R_3-C_2C_5R_2R_3}\\ \text{bandwidth:} \ \frac{(C_2R_1+C_2R_2+C_2R_3+C_4R_3-C_5R_3)\sqrt{\frac{1}{C_2C_4R_2}\frac{1}{R_3}-C_2C_5R_2R_3}}{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP:} \ 0\\ \text{K-HP:} \ \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ \text{K-BP:} \ \frac{C_5R_1R_6}{C_2R_1+C_2R_2+C_2R_3+C_4R_3-C_5R_3}\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

8.99 X-INVALID-NUMER-99 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5R_1R_2s + C_5R_1}{C_6 + s^2\left(C_2C_4C_6R_2R_3 - C_2C_5C_6R_2R_3\right) + s\left(C_2C_6R_1 + C_2C_6R_2 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

Parameters:

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_2R_1+C_2R_2+C_2R_3+C_4R_3-C_5R_3}\\ \text{wo:} \ \sqrt{\frac{1}{C_2C_4R_2R_3-C_2C_5R_2R_3}}\\ \text{bandwidth:} \ \frac{(C_2R_1+C_2R_2+C_2R_3+C_4R_3-C_5R_3)\sqrt{\frac{1}{C_2C_4R_2R_3-C_2C_5R_2R_3}}}{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP:} \ \frac{C_5R_1}{C_6}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{C_2C_5R_1R_2}{C_2C_6R_1+C_2C_6R_2+C_2C_6R_3+C_4C_6R_3-C_5C_6R_3}}\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

8.100 X-INVALID-NUMER-100 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_2R_1R_2R_4R_6s + R_1R_4R_6}{C_2C_4R_2R_3R_4R_5s^2 - R_3R_4 + R_3R_5 + R_4R_5 + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 + C_4R_3R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5}$ wo: $\frac{\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{\sqrt{C_2}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5}{C_2C_4R_2R_3R_4R_5}$ K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: 0 K-BP: $\frac{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_4R_6}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5}$ Qz: None Wz: None

8.101 X-INVALID-NUMER-101 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{R_3 + R_4 + s^2\left(C_2C_4R_2R_3R_4 - C_2C_5R_2R_3R_4\right) + s\left(C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 + C_4R_3R_4 - C_5R_3R_4\right)}$$

$$\begin{aligned} & \text{Q:} \ \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_4-C_5}}}{C_2R_1R_4+C_2R_3+C_2R_2R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4} \\ & \text{wo:} \ \sqrt{R_3+R_4}\sqrt{\frac{1}{C_2C_4R_2R_3R_4-C_2C_5R_2R_3R_4}} \\ & \text{bandwidth:} \ \frac{\sqrt{R_3+R_4}(C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4)\sqrt{\frac{1}{C_2C_4R_2R_3R_4-C_2C_5R_2R_3R_4}}}{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_4-C_5}}} \\ & \text{K-LP:} \ 0 \\ & \text{K-HP:} \ \frac{C_5R_1R_6}{C_4R_3-C_5R_3} \end{aligned}$$

K-BP: $\frac{C_5R_1R_4R_6}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4}$ Qz: None

Wz: None

8.102 X-INVALID-NUMER-102 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5R_1R_2R_4s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^2\left(C_2C_4C_6R_2R_3R_4 - C_2C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4\right)}$

Parameters:

 $\begin{aligned} & \text{Q: } \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_4-C_5}}}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4} \\ & \text{wo: } \sqrt{R_3+R_4}\sqrt{\frac{1}{C_2C_4R_2R_3R_4-C_2C_5R_2R_3R_4}} \end{aligned}$

bandwidth: $\frac{\sqrt{R_3 + R_4}(C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 + C_4R_3R_4 - C_5R_3R_4)\sqrt{\frac{1}{C_2C_4R_2R_3R_4 - C_2C_5R_2R_3R_4}}}{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3 + R_4}}\sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3 + R_4}\sqrt{\frac{1}{C_4 - C_5}}$

K-LP: $\frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}$ K-HP: 0

K-BP: $\frac{C_2C_5R_1R_2R_4}{C_2C_6R_1R_4+C_2C_6R_2R_3+C_2C_6R_2R_4+C_2C_6R_3R_4+C_4C_6R_3R_4-C_5C_6R_3R_4}$ Qz: None

Wz: None

8.103 X-INVALID-NUMER-103 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 + C_3R_4R_5\right)}$$

Parameters:

Q: $-\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{-R_4+R_5}}{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}}$ bandwidth: $-\frac{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}}$

K-HP: $\frac{R_1 R_2 R_6}{R_1 R_5 + R_2 R_5}$

Wz: None

8.104 X-INVALID-NUMER-104 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_4s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

Parameters:

Q: $-\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{-R_4+R_5}}{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}}$ bandwidth: $-\frac{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}}$ K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $-\frac{C_2C_3R_1R_2R_4}{C_2C_6R_2R_4-C_2C_6R_2R_5-C_2C_6R_4R_5-C_3C_6R_4R_5}$

Qz: None

8.105 X-INVALID-NUMER-105
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s}{C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 - C_2C_5C_6R_2R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}+\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}}{C_2R_2+C_2R_4+C_3R_4-C_5R_4}\\ \text{wo: } \sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_2R_4-C_2C_5R_2R_4}}\\ \text{bandwidth: } \frac{(C_2R_2+C_2R_4+C_3R_4-C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_2R_4-C_2C_5R_2R_4}}}{\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}}+\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}}\\ \text{K-BP: } \frac{C_3C_5R_1R_4}{C_2C_6R_2+C_2C_6R_4+C_3C_6R_4-C_5C_6R_4}}\\ \text{Qz: None}\\ \text{Wz: None}$$

8.106 X-INVALID-NUMER-106 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s}{s^2\left(C_2C_3R_1R_5 + C_2C_3R_2R_5 + C_2C_4R_2R_5\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5\right) - 1}$$

Parameters:

$$\begin{array}{l} \mathrm{Q} \colon -\frac{i\sqrt{C_2}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_2R_2-C_2R_5-C_3R_5-C_4R_5} \\ \mathrm{wo} \colon \frac{i}{\sqrt{C_2C_3R_1R_5+C_2C_3R_2R_5+C_2C_4R_2R_5}} \\ \mathrm{bandwidth} \colon -\frac{C_2R_2-C_2R_5-C_3R_5-C_4R_5}{\sqrt{C_2}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_2C_3R_1R_5+C_2C_3R_2R_5+C_2C_4R_2R_5}} \\ \mathrm{K-LP} \colon 0 \\ \mathrm{K-HP} \colon \frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5} \\ \mathrm{K-BP} \colon -\frac{C_3R_1R_6}{C_2R_2-C_2R_5-C_3R_5-C_4R_5} \\ \mathrm{Qz} \colon \mathrm{None} \\ \mathrm{Wz} \colon \mathrm{None} \end{array}$$

8.107 X-INVALID-NUMER-107 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3R_1R_2s + C_3R_1}{-C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_4C_6R_2R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5\right)}$$

Parameters:

$$\begin{array}{l} \mathrm{Q:} \ -\frac{i\sqrt{C_2}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_2R_2-C_2R_5-C_3R_5-C_4R_5} \\ \mathrm{wo:} \ \ \frac{i}{\sqrt{C_2C_3R_1R_5+C_2C_3R_2R_5+C_2C_4R_2R_5}} \\ \mathrm{bandwidth:} \ -\frac{C_2R_2-C_2R_5-C_3R_5-C_4R_5}{\sqrt{C_2}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_2C_3R_1R_5+C_2C_3R_2R_5+C_2C_4R_2R_5}} \\ \mathrm{K-LP:} \ -\frac{C_3R_1}{C_6} \\ \mathrm{K-HP:} \ 0 \\ \mathrm{K-BP:} \ -\frac{C_2C_3R_1R_2}{C_2C_6R_2-C_2C_6R_5-C_3C_6R_5-C_4C_6R_5} \\ \mathrm{Qz:} \ \mathrm{None} \\ \mathrm{Wz:} \ \mathrm{None} \end{array}$$

8.108 X-INVALID-NUMER-108 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_6R_1R_6 + C_2C_3C_6R_2R_6 + C_2C_4C_6R_2R_6 - C_2C_5C_6R_2R_6\right) + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_2 - C_2C_5R_2 + C_2C_6R_6 + C_3C_6R_6 + C_4C_6R_6 - C_5C_6R_6\right)}$$

Parameters:

 $Q: \frac{\sqrt{C_2C_3\sqrt{C_6}R_1\sqrt{R_6}}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_3}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \sqrt{C_2}C_3\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \sqrt{C_2}C_4\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_2}C_3\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_2}C_3\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_2}C_4\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_2}C_4\sqrt{C_6}R_2\sqrt{C_6}R_2\sqrt{R_6}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_2}C_4\sqrt{C_6}R_2\sqrt{C_$

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wo: \sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_2 C_3 C_6 R_1 R_6 + C_2 C_3 C_6 R_2 R_6 + C_2 C_4 C_6 R_2 R_6 - C_2 C_5 C_6 R_2 R_6}}
```

bandwidth: $\frac{1}{\sqrt{C_2}C_3\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_3}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}$

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_3C_5R_1R_6}{C_2C_3R_1+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2+C_2C_6R_6+C_3C_6R_6+C_4C_6R_6-C_5C_6R_6}$ Qz: None

Wz: None

8.109 X-INVALID-NUMER-109 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_5R_1R_5 + C_2C_3C_5R_2R_5 + C_2C_4C_5R_2R_5\right) + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_2 - C_2C_5R_2 + C_2C_5R_5 + C_3C_5R_5 + C_4C_5R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_5}\sqrt{C_3}R_1+C_3R_2+C_4R_2}{C_2C_3R_1+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}$ wo: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_5}\sqrt{C_3}R_1+C_3R_2+C_4R_2}{\sqrt{C_2+C_3+C_4-C_5}}$

 $\begin{array}{l} \text{K-HP:} \ \frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5} \\ \text{K-BP:} \ \frac{C_3C_5R_1R_6}{C_2C_3R_1+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: None

8.110 X-INVALID-NUMER-110 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_5C_6R_1R_5 + C_2C_3C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_5C_6R_2 + C_2C_5C_6R_5 + C_3C_5C_6R_5 + C_4C_5C_6R_5\right)}$$

Parameters:

wo: $\frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_2C_3C_5R_1R_5+C_2C_3C_5R_2R_5+C_2C_4C_5R_2R_5}}$ bandwidth: $\frac{C_2C_3R_1+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_2C_3C_5R_1R_5+C_2C_3C_5R_2R_5+C_2C_4C_5R_2R_5}}$ K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: 0

K-BP: $\frac{C_2C_3C_5R_1R_2}{C_2C_3C_6R_1+C_2C_3C_6R_2+C_2C_4C_6R_2-C_2C_5C_6R_2+C_2C_5C_6R_5+C_3C_5C_6R_5+C_4C_5C_6R_5}$ Qz: None

Wz: None

8.111 X-INVALID-NUMER-111 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_4R_2R_4R_5\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 + C_3R_4R_5 + C_4R_4R_5\right)}$$

Parameters:

 $\begin{array}{l} Q \colon -\frac{\sqrt{C_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_3}R_1+C_3R_2+C_4R_2}{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5} \\ \text{wo: } \frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5+C_2C_4R_2R_4R_5}} \\ \text{bandwidth: } -\frac{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}{\sqrt{C_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3}R_1+C_3R_2+C_4R_2}\sqrt{C_2C_3R_1R_4R_5+C_2C_4R_2R_4R_5}} \\ V.I.D. 0 \end{array}$

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ K-BP: $-\frac{C_3R_1R_4R_6}{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}$ Qz: None

8.112 X-INVALID-NUMER-112 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_4s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_4C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5\right)}$$

Parameters:

Q: $-\frac{\sqrt{C_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}$

wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5+C_2C_4R_2R_4R_5}}$ bandwidth: $-\frac{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}{\sqrt{C_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5+C_2C_4R_2R_4R_5}}$ K-LP: $-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$ K-HP: 0

K-BP: $-\frac{C_2C_3R_1R_2R_4}{C_2C_6R_2R_4 - C_2C_6R_2R_5 - C_2C_6R_4R_5 - C_3C_6R_4R_5 - C_4C_6R_4R_5}$

Wz: None

8.113 X-INVALID-NUMER-113 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s}{C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + C_2C_4C_6R_2R_4 - C_2C_5C_6R_2R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$$

Parameters:

 $\text{Q:} \ \frac{\sqrt{C_2C_3R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2C_4R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} - \sqrt{C_2C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} \\ - \sqrt{C_2C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} \\ - \sqrt{C_2C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}}} \\ - \sqrt{C_2C_5R_2\sqrt{R_4}\sqrt{\frac{1}{$ Wo: $\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_2R_4+C_2C_4R_2R_4-C_2C_5R_2R_4}}$

 $\frac{(C_2R_2 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_2R_4 + C_2C_5R_2R_4}}}{\sqrt{C_2C_3R_1\sqrt{R_4}}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_2}C_4R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}}} - \sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_2}C_3R_2\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R$

K-LP: 0

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_3C_5R_1R_4}{C_2C_6R_2+C_2C_6R_4+C_3C_6R_4+C_4C_6R_4-C_5C_6R_4}$ Qz: None

Wz: None

8.114 X-INVALID-NUMER-114 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 - C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_5 + C_2C_3R_2R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 - C_3R_3R_4 + C_3R_3R_5 + C_3R_4R_5\right)}$$

Parameters:

 $O: \frac{-\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_4R_5}} -\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_5+R_4R_5}} -\sqrt{C_2}$ Wo: $\sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5-C_2C_3R_2R_3R_4+C_2C_3R_2R_3R_5+C_2C_3R_2R_4R_5+C_2C_3R_3R_4R_5}}$

 $\frac{1}{-\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R$

 $\begin{array}{l} \text{K-HP: } \frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5} \\ \text{K-BP: } -\frac{C_3R_1R_4R_6}{C_2R_2R_4 - C_2R_2R_5 - C_2R_4R_5 + C_3R_3R_4 - C_3R_3R_5 - C_3R_4R_5} \end{array}$

Qz: None Wz: None

8.115 X-INVALID-NUMER-115 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_4s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 - C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4 + C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5\right)}$$

```
O: \frac{-\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5 + \frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5 - \frac{R_3}{R_3}R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5 - \frac{R_3}{R_3}R_5} - \sqrt{C_2}\sqrt{C_3}R_2R_3R_5} - \sqrt{C_2}\sqrt{C_3}R_3R_5} - \sqrt{C_2}\sqrt{C_3}R_5} -
              Wo: \sqrt{\frac{-R_4 + R_5}{C_2 C_3 R_1 R_4 R_5 - C_2 C_3 R_2 R_3 R_4 + C_2 C_3 R_2 R_3 R_5 + C_2 C_3 R_2 R_4 R_5 + C_2 C_3 R_3 R_4 R_5}
             \frac{-\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_5}+\frac{R
             K-HP: 0
             K-BP: -\frac{C_2C_3R_1R_2R_4}{C_2C_6R_2R_4-C_2C_6R_2R_5-C_2C_6R_4R_5+C_3C_6R_3R_4-C_3C_6R_3R_5-C_3C_6R_4R_5} Qz: None
              Wz: None
8.116 X-INVALID-NUMER-116 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                             H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_4R_2R_3 - C_2C_3C_5R_2R_3\right) + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_3R_3 + C_2C_4R_2 - C_2C_5R_2 + C_3C_4R_3 - C_3C_5R_3\right)}
     Parameters:
              \text{bandwidth: } \frac{\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_2 C_3 C_4 R_2 R_3 - C_2 C_3 C_5 R_2 R_3}} \left(C_2 C_3 R_1 + C_2 C_3 R_2 + C_2 C_3 R_3 + C_2 C_4 R_2 - C_2 C_5 R_2 + C_3 C_4 R_3 - C_3 C_5 R_3\right)}{\sqrt{C_2} \sqrt{C_3} \sqrt{C_4} \sqrt{R_3} \sqrt{\frac{C_2}{C_4 - C_5}} + \frac{C_4}{C_4 - C_5} + \frac{C_5}{C_4 - C_5} - \sqrt{C_2} \sqrt{C_3} \sqrt{C_3} \sqrt{R_3} \sqrt{\frac{C_2}{C_4 - C_5}} + \frac{C_3}{C_4 - C_5} + \frac{C_4}{C_4 - C_5} - \frac{C_5}{C_4 - C_5}}{\sqrt{C_4 - C_5}} \right) } 
             K-LP: 0
             K-HP: \frac{C_5 R_1 R_6}{C_4 R_3 - C_5 R_3}
             K-BP: \frac{C_4 R_3 - C_5 R_3}{C_2 C_3 R_1 + C_2 C_3 R_2 + C_2 C_3 R_3 + C_2 C_4 R_2 - C_2 C_5 R_2 + C_3 C_4 R_3 - C_3 C_5 R_3}{C_2 C_3 R_1 + C_2 C_3 R_2 + C_2 C_3 R_3 + C_2 C_4 R_2 - C_2 C_5 R_2 + C_3 C_4 R_3 - C_3 C_5 R_3}
                Qz: None
              Wz: None
8.117 X-INVALID-NUMER-117 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                   H(s) = \frac{C_2C_3C_5R_1R_2s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_2R_3 - C_2C_3C_5C_6R_2R_3\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_3C_6R_3 + C_2C_4C_6R_2 - C_2C_5C_6R_2 + C_3C_4C_6R_3 - C_3C_5C_6R_3\right)}
       Parameters:
             \text{bandwidth: } \frac{\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_2 C_3 C_4 R_2 R_3 - C_2 C_3 C_5 R_2 R_3}} (C_2 C_3 R_1 + C_2 C_3 R_2 + C_2 C_3 R_3 + C_2 C_4 R_2 - C_2 C_5 R_2 + C_3 C_4 R_3 - C_3 C_5 R_3)}{\sqrt{C_2} \sqrt{C_3} \sqrt{C_4} \sqrt{R_3} \sqrt{\frac{C_2}{C_4 - C_5}} + \frac{C_3}{C_4 - C_5} + \frac{C_4}{C_4 - C_5} - \frac{C_5}{C_4 - C_5}} - \sqrt{C_2} \sqrt{C_3} \sqrt{C_3} \sqrt{R_3} \sqrt{\frac{C_2}{C_4 - C_5}} + \frac{C_3}{C_4 - C_5} + \frac{C_4}{C_4 - C_5} - \frac{C_5}{C_4 - C_5}}
            K-LP: \frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}
K-HP: 0
             K-BP: \frac{C_2C_3C_5R_1R_2}{C_2C_3C_6R_1+C_2C_3C_6R_2+C_2C_3C_6R_3+C_2C_4C_6R_2-C_2C_5C_6R_2+C_3C_4C_6R_3-C_3C_5C_6R_3} Qz: None
              Wz: None
8.118 X-INVALID-NUMER-118 Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4
```

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

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_2R_1R_2R_4+C_2R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2C_5}R_1R_2R_4R_5+C_2C_5R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_1R_2R_4+C_2R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_5}\sqrt{R_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3C_5R_1R_3R_5+C_5R_2R_4R_5+C_5R_2R_4R_5}}$ bandwidth: $\frac{\sqrt{C_2\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4R_5}}{\sqrt{C_2\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4R_5}}}$ K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$

```
K-HP: 0
```

 $\text{K-BP: } \frac{C_5 R_1 R_2 R_4 R_6}{C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5}$

Qz: None

Wz: None

8.119 X-INVALID-NUMER-119 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6$

 $\frac{c_{3}r_{1}r_{2}r_{4}r_{5}r_{6}s + r_{1}r_{2}r_{4}r_{6}}{R_{1}R_{4}R_{5} - R_{2}R_{3}R_{4} + R_{2}R_{3}R_{5} + R_{2}R_{4}R_{5} + R_{3}R_{4}R_{5} + s^{2}\left(C_{2}C_{6}R_{1}R_{2}R_{4}R_{5}R_{6} + C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{2}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{2}R_{2}R_{3}R_{4}R_{5} + C_{2}R_{2}R_{3}R$

Parameters:

 $Q: \frac{C_2\sqrt{C_6}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_4R_5}{C_2R_1+C_2R_3-C_5R_3}} - \frac{R_2R_3R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_3R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_5R_1R_2R_4R_5R_6}{C_2R_1R_2R_4R_5+C_2R_2R_3R_4R_5-C_5R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6} \\ \text{Qz: None} \end{array}$

Wz: None

8.120 X-INVALID-NUMER-120 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_6s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_2C_5C_6R_1R_2R_5 + C_2C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5\right) + s\left(C_2C_6R_1R_2 + C_2C_6R_2R_3 + C_5C_6R_1R_5 - C_5C_6R_2R_3 + C_5C_6R_3R_3 +$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{R_1+R_2+R_3}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_2C_5R_1R_2R_5+C_2C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ bandwidth: $\frac{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{\sqrt{C_5}\sqrt{R_2}\sqrt{R_2}\sqrt{C_2}R_1+C_2R_3+C_4R_3}\sqrt{C_2C_5R_1R_2R_5+C_2C_5R_2R_3R_5+C_4C_5R_2R_3R_5}}$ K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_6}{C_2R_1R_2+C_2R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}$ Qz: None

Wz: None

8.121 X-INVALID-NUMER-121 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_5R_1R_2R_5R_6s + R_1R_2R_6$ $H(s) = \frac{1}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_2C_6R_1R_2R_5R_6 + C_2C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6 - C_5C_6R_2R_3R_5R_6\right) + s\left(C_2R_1R_2R_5 + C_2R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_2R_1R_2R_5 + C_2R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_6R_2R_3R_5 + C_6R_2R_3R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5 + C_6R_2R_3R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_3R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_5\right) + s\left(C_2R_1R_2R_5 + C_4R_2R_5\right) + s\left(C_2R_2R_3R_5\right) + s\left(C_2R_2R_3R_5\right) + s\left(C_2R_2R_3R_5\right) +$

Parameters:

 $C_{2}\sqrt{C_{6}}R_{1}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{\frac{R_{1}R_{5}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\frac{R_{2}R_{3}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}+\frac{R_{2}R_{5}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}$

wo: $\sqrt{\frac{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5}{C_2C_6R_1R_2R_5R_6 + C_2C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6 - C_5C_6R_2R_3R_5R_6}}$

 $\frac{\sqrt{\sqrt{2} + (R_1 R_2 + R_3 + C_4 R_3 - C_5 R_3} + (R_2 R_3 + R_4 R_3 - C_5 R_3)} + (R_2 R_3 + R_3 R_5 + R_4 R_3 - C_5 R_3)}{C_2 \sqrt{C_6} R_1 \sqrt{R_2} \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_2 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_2 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{R_6} \sqrt{\frac{R_1 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3} + \frac{R_3 R_5}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_4 \sqrt{C_6} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{$

K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_5R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_4R_2R_3R_5-C_5R_2R_3R_5+C_6R_1R_5R_6-C_6R_2R_3R_6+C_6R_2R_5R_6+C_6R_3R_5R_6}$ Qz: None

Wz: None

8.122 X-INVALID-NUMER-122 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, R_6\right)$

$$H(s) = \frac{C_4 R_1 R_2 R_4 R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^2 \left(C_2 C_4 R_1 R_2 R_4 R_5 + C_2 C_4 R_2 R_3 R_4 R_5\right) + s \left(C_2 R_1 R_2 R_5 + C_2 R_2 R_3 R_5 + C_4 R_1 R_4 R_5 - C_4 R_2 R_3 R_4 + C_4 R_2 R_3 R_5 + C_4 R_2 R_4 R_5 + C_4 R_3 R_4 R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_4R_1R_4R_5-C_4R_2R_3R_4+C_4R_2R_3R_5+C_4R_2R_4R_5+C_4R_3R_4R_5}}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_2C_4R_1R_2R_4R_5+C_2C_4R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_1R_2R_5+C_2C_4R_2R_3R_5+C_4R_2R_3R_4R_5}{\sqrt{C_2}\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_4R_1R_2R_4R_5+C_4R_2R_3R_4R_5}}}{\sqrt{C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_4R_1R_2R_4R_5+C_2C_4R_2R_3R_4R_5}}}}$ K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{K-HP: 0}$

K-BP: $\frac{C_4R_1R_2R_4R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_4R_1R_4R_5-C_4R_2R_3R_4+C_4R_2R_3R_5+C_4R_2R_4R_5+C_4R_3R_4R_5}$ Qz: None Wz: None

8.123 X-INVALID-NUMER-123 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$

$$H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^2\left(C_2C_4R_1R_2R_4 + C_2C_4R_2R_3R_4 - C_4C_5R_2R_3R_4\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_4R_1R_4 + C_4R_2R_3 + C_4R_2R_4 + C_4R_3R_4 - C_5R_2R_3\right)}$$

Parameters:

 $Q: \frac{C_2\sqrt{C_4}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_4}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_4}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_2R_1R_2+C_2R_2R_3+C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3}$

 $\text{wo: } \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 C_4 R_1 R_2 R_4 + C_2 C_4 R_2 R_3 R_4 - C_4 C_5 R_2 R_3 R_4}} \\ \text{bandwidth: } \frac{\sqrt{R_1 + R_2 + R_3} (C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_1 R_4 + C_4 R_2 R_3 + C_4 R_2 R_4 + C_4 R_3 R_4 - C_5 R_2 R_3) \sqrt{\frac{1}{C_2 C_4 R_1 R_2 R_4 + C_2 C_4 R_2 R_3 R_4 - C_4 C_5 R_2 R_3 R_4}}}{C_2 \sqrt{C_4} \sqrt{R_1} \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} R_3 \sqrt{$

K-LP: 0

K-HP: $\frac{C_5 R_1 R_6}{C_2 R_1 + C_2 R_3 - C_5 R_3}$

K-BP: $\frac{C_5R_1R_2R_6}{C_2R_1R_2+C_2R_2R_3+C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3}{\text{Qz: None}}$

Wz: None

8.124 X-INVALID-NUMER-124 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_4C_5R_1R_2R_4s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_2C_4C_6R_1R_2R_4 + C_2C_4C_6R_2R_3R_4 - C_4C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_2 + C_2C_6R_2R_3 + C_4C_6R_2R_3 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_4\right)}$$

Parameters:

$$Q: \frac{C_2\sqrt{C_4}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_4}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_4}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_2R_1R_2+C_2R_2R_3+C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3}$$

 $\text{wo: } \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 C_4 R_1 R_2 R_4 + C_2 C_4 R_2 R_3 R_4 - C_4 C_5 R_2 R_3 R_4}} \\ \text{bandwidth: } \frac{\sqrt{R_1 + R_2 + R_3} (C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_1 R_4 + C_4 R_2 R_3 + C_4 R_2 R_4 + C_4 R_3 R_4 - C_5 R_2 R_3) \sqrt{\frac{1}{C_2 C_4 R_1 R_2 R_4 + C_2 C_4 R_2 R_3 R_4 - C_4 C_5 R_2 R_3 R_4}}}{C_2 \sqrt{C_4} \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_4} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - \sqrt{C_4} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} - C_4 \sqrt{R_2} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt{R_2} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_1 + R_2 + R_3}} + C_4 \sqrt$

K-LP: $\frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3}$ K-HP: 0

K-BP: $\frac{C_4C_5R_1R_2R_4}{C_2C_6R_1R_2 + C_2C_6R_2R_3 + C_4C_6R_1R_4 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_3R_4 - C_5C_6R_2R_3}$

Qz: None

Wz: None

8.125 X-INVALID-NUMER-125 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4$ $\overline{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + S^2\left(C_2C_5C_6R_1R_2R_4R_5 + C_2C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4R_5\right) + s\left(C_2C_6R_1R_2R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4$

```
Q: \frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_2R_1R_2R_4+C_2R_2R_3R_4+C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5} wo: \frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4R_5+C_4C_5R_2R_3R_4R_5}} bandwidth: \frac{C_2R_1R_2R_4+C_2R_2R_3R_4+C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_5R_1R_2R_4R_5+C_2C_5R_2R_3R_4R_5+C_4C_5R_2R_3R_4R_5}} K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4} K-HP: 0
               K-BP: \frac{C_5R_1R_2R_4R_6}{C_2R_1R_2R_4+C_2R_2R_3R_4+C_4R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}{\text{Qz: None}} Qz: None
                Wz: None
8.126 X-INVALID-NUMER-126 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6
H(s) = \frac{1}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_6 R_2 R_3 R_4 R_5 R_6 + C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_4 C_6 R_2 R_3 R_4 R_5 + C_4 R_2 R_3 R_4 R_5 + C_4 R_2 R_3 R_4 R_5 + C_5 R_2 R_3 R_4 R_5 + C_6 R_1 R_4 R_5 R_6 + C_6 R_2 R_3 R_4 R_5 + C_6 R_2 R_3 R_
       Parameters:
                 O\colon \frac{C_2\sqrt{C_6}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \frac{R_2R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_3R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_3R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_4R_5}{C_2R_1+
                                                                              \frac{\sqrt{C_2\sqrt{C_6}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \frac{R_2R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_3R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_3R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_4R_5}{C_2R_1+C
               K-LP: \frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}K-HP: 0
                \begin{array}{l} \text{K-BP:} \ \frac{C_5R_1R_2R_4R_5R_6}{C_2R_1R_2R_4R_5+C_2R_2R_3R_4R_5+C_4R_2R_3R_4R_5-C_5R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6} \\ \text{Qz: None} \end{array} 
                 Wz: None
8.127 X-INVALID-NUMER-127 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                         H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{C_2C_3C_6R_1R_2R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5\right)}
       Parameters:
                 Q: \frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5}}
        \begin{array}{l} \text{C}_{2}R_{2}\sqrt{R_{4}\sqrt{R_{5}}} + C_{3}R_{1}\sqrt{R_{4}\sqrt{R_{5}}} + C_{3}R_{2}\sqrt{R_{4}\sqrt{R_{5}}} \\ \text{Wo:} \quad \frac{\sqrt{-R_{2}R_{4}} + R_{2}R_{5} + R_{4}R_{5}}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}} \\ \text{bandwidth:} \quad \frac{C_{2}R_{2}\sqrt{R_{4}}\sqrt{R_{5}} + C_{3}R_{1}\sqrt{R_{4}}\sqrt{R_{5}} + C_{3}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}}{C_{2}C_{3}R_{1}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}} \\ \text{K-LP:} \quad -\frac{C_{3}R_{1}R_{2}R_{4}}{C_{6}R_{2}R_{4} - C_{6}R_{2}R_{5} - C_{6}R_{4}R_{5}} \\ \text{K-HP:} \quad 0 \\ \end{array} 
               K-BP: \frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5} Qz: None
                Wz: None
8.128 X-INVALID-NUMER-128 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                             H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_2C_3C_6R_1R_2R_4s^2 + C_6R_2 + C_6R_4 + s\left(C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4\right)}
        Parameters:
             Q: \frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2+R_4}}{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}wo: \frac{\sqrt{R_2+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}bandwidth: \frac{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}{C_2C_3R_1R_2\sqrt{R_4}}
```

220

K-LP: 0K-HP: $\frac{C_5R_6}{C_2}$

Oz: None

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}$

8.129 X-INVALID-NUMER-129 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{C_2C_3R_1R_2R_4R_5s^2 - R_2R_4 + R_2R_5 + R_4R_5 + s\left(C_2R_2R_4R_5 + C_3R_1R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4 + R_2}{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} - C_5R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} - C_5R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_2R_5+C_3R_1R_2R_6}$ Qz: None

Wz: None

8.130 X-INVALID-NUMER-130 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{C_2C_3C_6R_1R_2R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}-C_5R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}-C_5R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 - C_5C_6R_2}$ Qz: None

Wz: None

8.131 X-INVALID-NUMER-131 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_6R_1R_2R_6s + C_3R_1R_2}{C_2C_3C_6R_1R_2R_5s^2 - C_6R_2 + C_6R_5 + s\left(C_2C_6R_2R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2+R_5}}{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1R_2}{C_6R_2-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ Qz: None

Wz: None

8.132 X-INVALID-NUMER-132 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_2C_3C_6R_1R_2s^2 + C_6 + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}{C_2R_2+C_3R_1+C_3R_2+C_4R_2-C_5R_2}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}$ bandwidth: $\frac{C_2R_2+C_3R_1+C_3R_2+C_4R_2-C_5R_2}{C_2C_3R_1R_2}$ V. I.D. 0

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ Qz: None

Wz: None

8.133 X-INVALID-NUMER-133 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{C_2C_3R_1R_2R_5s^2 - R_2 + R_5 + s\left(C_2R_2R_5 + C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5 - C_5R_2R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2+R_5}}{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}-C_5R_2\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}-C_5R_2\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_5}}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5+C_4R_2R_5-C_5R_2R_5}$ Qz: None Wz: None

8.134 X-INVALID-NUMER-134 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_5s + C_3R_1R_2}{C_2C_3C_6R_1R_2R_5s^2 - C_6R_2 + C_6R_5 + s\left(C_2C_6R_2R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2+R_5}}{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}-C_5R_2\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}-C_5R_2\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1R_2}{C_6R_2-C_6R_5}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ Qz: None

Wz: None

8.135 X-INVALID-NUMER-135 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{C_2C_3C_6R_1R_2R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2\sqrt{R_4}\sqrt{R_5+C_3}R_1\sqrt{R_4}\sqrt{R_5+C_3}R_2\sqrt{R_4}\sqrt{R_5+C_4}R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$

bandwidth: $\frac{C_2 R_2 \sqrt{R_4} \sqrt{R_5} + C_3 R_1 \sqrt{R_4} \sqrt{R_5} + C_3 R_2 \sqrt{R_4} \sqrt{R_5} + C_4 R_2 \sqrt{R_4} \sqrt{R_5}}{C_2 C_3 R_1 R_2 \sqrt{R_4} \sqrt{R_5}}$

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ Qz: None

Wz: None

8.136 X-INVALID-NUMER-136 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_2C_3C_6R_1R_2R_4s^2 + C_6R_2 + C_6R_4 + s\left(C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2+R_4}}{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}+C_4R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{R_2+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}+C_3R_1\sqrt{R_4}+C_3R_2\sqrt{R_4}+C_4R_2\sqrt{R_4}-C_5R_2\sqrt{R_4}}{C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: 0

K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2}$ Qz: None

Wz: None

8.137 X-INVALID-NUMER-137 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_2R_4R_6s}{C_2C_3R_1R_2R_4R_5s^2 - R_2R_4 + R_2R_5 + R_4R_5 + s\left(C_2R_2R_4R_5 + C_3R_1R_4R_5 + C_3R_2R_4R_5 + C_4R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4 + R_2}{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} + C_4R_2\sqrt{R_4}\sqrt{R_5} - C_5R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2}R_4 + R_2}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} + C_4R_2\sqrt{R_4}\sqrt{R_5} - C_5R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

K-LP: 0 K-L1 . \circ K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5+C_3R_2R_5+C_4R_2R_5-C_5R_2R_5}$ Qz: None

Wz: None

8.138 X-INVALID-NUMER-138 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{C_2C_3C_6R_1R_2R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4 + R_2}{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} + C_4R_2\sqrt{R_4}\sqrt{R_5} - C_5R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2}R_4 + R_2}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} + C_4R_2\sqrt{R_4}\sqrt{R_5} - C_5R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

 $\begin{array}{l} \text{K-LP:} -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5} \\ \text{K-HP:} \ 0 \end{array}$

K-BP: $\frac{C_3C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ Qz: None

Wz: None

8.139 X-INVALID-NUMER-139
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_5R_5R_5 + C_3C_6R_5R_5R_5 + C_3C_6R_5R_5 + C_3C_6R_5R_5 + C_3C_6R_5R_5 + C_3C_6R_5R_5 + C_3C_6R_5R_5 + C_3C_6R_5R_$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_2R_4R_5+C_3R_2R_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_3R_1R_2R_4R_5+C_3R_2R_4R_5}}$ K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_2R_4R_6}{C_2R_2R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5}$ Qz: None

Wz: None

8.140 X-INVALID-NUMER-140 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_2R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_2R_4\right)}$$

Parameters:

 $Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_3R_2R_4+C_3R_3R_4-C_5R_2R_4}$

 $\text{bandwidth: } \frac{\sqrt{R_2 + R_4}(C_2 R_2 R_4 + C_3 R_1 R_4 + C_3 R_2 R_3 + C_3 R_2 R_4 + C_3 R_3 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_2 C_3 R_1 R_2 R_4 + C_2 C_3 R_2 R_3 R_4 - C_3 C_5 R_2 R_3 R_4}}{C_2 \sqrt{C_3} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_3} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_3} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_3} C_5 \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_2} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_2 + R_4}} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_4 + C_4 R_4}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_4 + C_4 R_4}} + C_2 \sqrt{C_3} \sqrt{R_4} \sqrt{R_4 + C_4 R_4}} + C_2 \sqrt{C_3} \sqrt{R_4}}$

K-LP: 0

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}$

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_2C_6R_2R_4+C_3C_6R_1R_4+C_3C_6R_2R_3+C_3C_6R_2R_4+C_3C_6R_3R_4-C_5C_6R_2R_4}$ Qz: None

Wz: None

8.141 X-INVALID-NUMER-141 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_3R_4R_5 - C_3C_5R_2R_3R_4R_5\right) + s\left(C_2R_2R_4R_5 + C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

Parameters:

$$Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}}{C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4 + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3-C$$

K-HP: $\frac{C_5 R_1 R_6}{C_2 R_1 + C_2 R_3 - C_5 R_3}$

K-BP: $\frac{C_3R_1R_2R_4R_6}{C_2R_2R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 - C_5R_2R_4R_5}{\text{Qz: None}}$

Wz: None

8.142 X-INVALID-NUMER-142 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 - C_3C_5C_6R_2R_3R_4R_5\right) + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_4R_4R_5 + C_3C_6R_4R_4R_5 + C_3C_6R_4R_4R_5 + C_3C_6R_4R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_5R_5 + C_3C_6R_5R_5 + C_3C_6R_5R_5 +$$

```
\frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3-C_5R_3}}+\frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}}{+C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3-C_5R_3}}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3-C_5R_3}}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1
                                                                                                                                                                                                                                                                                                                                                                                \sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5-C_3C_5R_2R_3R_4R_5}}(C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5-C_5R_2R_4R_5)
                 \frac{\sqrt{C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_3R_4R_5 - C_3C_5R_2R_3R_4R_5}}{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1 + C_2R_3 - C_5R_3}} + \frac{R_2R_5}{C_2R_1 + C_2R_3 - C_5R_3}} + \frac{R_4R_5}{C_2R_1 + C_2R_3 - C_5R_3} + \frac{R_2R_5}{C_2R_1 + C_2R_3 - C_5R_3} + \frac{R_4R_5}{C_2R_1 + C_2R_3 - C_5R_3} + \frac{R_
               K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}
                 K-HP: 0
                 \begin{array}{l} \text{K-BP:} \ \frac{C_3C_5R_1R_2R_4R_5}{C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_3R_4R_5 - C_5C_6R_2R_4R_5} \\ \text{Qz: None} \end{array} 
                  Wz: None
8.143 X-INVALID-NUMER-143 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                    H(s) = \frac{C_3C_6R_1R_2R_6s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_3C_6R_2R_3R_5 + C_3C_4C_6R_2R_3R_5\right) + s\left(C_2C_6R_2R_5 + C_3C_6R_1R_5 - C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_5 + C_3C_6R_
       Parameters:
                 K-HP: 0
                K-BP: \frac{C_3R_1R_2R_6}{C_2R_2R_5 + C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_4R_2R_5}
                    Qz: None
                    Wz: None
8.144 X-INVALID-NUMER-144 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s
                                                                                                                                                                                                                                                                                             H(s) = \frac{C_3C_3C_3C_4C_1R_2}{C_6 + s^2\left(C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3\right) + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2\right)}
         Parameters:
                                  \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-C_2R_2+C_3R_1+C_3R_2+C_3R_3+C_4R_2-C_5R_2}
                 Wo: \sqrt{\frac{1}{C_2C_3R_1R_2+C_2C_3R_2R_3+C_3C_4R_2R_3-C_3C_5R_2R_3}}
                                                                                                                                                                                                                                                                      (C_2R_2 + C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 - C_5R_2)\sqrt{\frac{1}{C_2C_3R_1R_2 + C_2C_3R_2}\frac{1}{R_3 + C_3C_4R_2R_3 - C_3C_5R_2}R_3}
               \frac{(2^{2}+3^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6^{3}+6
                 K-LP: 0
             K-HP: \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} K-BP: \frac{C_3C_5R_1R_2}{C_2C_6R_2+C_3C_6R_1+C_3C_6R_2+C_3C_6R_3+C_4C_6R_2-C_5C_6R_2} Qz: None
                  Wz: None
8.145 X-INVALID-NUMER-145 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)
                                                                                                                                                                                                                                          H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^2\left(C_2C_3R_1R_2R_5 + C_2C_3R_2R_3R_5 + C_3C_4R_2R_3R_5 - C_3C_5R_2R_3R_5\right) + s\left(C_2R_2R_5 + C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_4R_2R_5 - C_5R_2R_5\right)}
         Parameters:
                                                                                    \frac{-R_2 + R_5}{\sqrt{C_2 C_3 R_1 R_2 R_5 + C_2 C_3 R_2 R_3 R_5 + C_3 C_3 R_2 R_3 + C_3 C_3 R_2 R_3 + C_3 R_2 R_5 + C_3 R_2 R_3 R_5 + C_3 R_2 R_5 + C_3 R_2 R_3 R_5 + C_3 
                 K-LP: 0
```

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}$ K-BP: $\frac{C_3R_1R_2R_6}{C_2R_2R_5+C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5-C_5R_2R_5}$ Qz: None

Wz: None

8.146 X-INVALID-NUMER-146 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_5s + C_3R_1R_2$ $H(s) = \frac{C_3C_5R_1R_2R_5s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_5 - C_3C_5C_6R_2R_3R_5\right) + s\left(C_2C_6R_2R_5 + C_3C_6R_2R_3 + C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_$

Parameters:

Wo: $\sqrt{\frac{-R_2 + R_5}{C_2 C_3 R_1 R_2 R_5 + C_2 C_3 R_2 R_3 R_5 + C_3 C_4 R_2 R_3 R_5 - C_3 C_5 R_2 R_3 R_5}}$

 $\frac{-R_2 + R_5}{\sqrt{C_2 C_3 R_1 R_2 R_5 + C_2 C_3 R_2 R_3 + C_3 C_5 R_2 R_3 F_5}} (C_2 R_2 R_5 + C_3 R_1 R_5 - C_3 R_2 R_3 + C_3 R_2 R_5 + C_3 R_3 R_5 + C_4 R_2 R_5 - C_5 R_2 R_5)}{C_2 \sqrt{C_3} R_1 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_$

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_5}{C_2C_6R_2R_5+C_3C_6R_1R_5-C_3C_6R_2R_3+C_3C_6R_2R_5+C_3C_6R_3R_5+C_4C_6R_2R_5-C_5C_6R_2R_5}$ Qz: None

Wz: None

8.147 X-INVALID-NUMER-147 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$

 $C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4$ $H(s) = \frac{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_3R_4 + C_3C$

Parameters:

wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5+C_3C_4R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3}{\sqrt{C_3\sqrt{R_2\sqrt{R_4\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_4}}}}$ K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}$ K-HP: 0

 $\text{K-BP: } \frac{C_3R_1R_2R_4R_6}{C_2R_2R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 + C_4R_2R_4R_5}{C_2R_2R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 + C_4R_2R_4R_5}$

Qz: None Wz: None

8.148 X-INVALID-NUMER-148 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s$ $H(s) = \frac{C_3C_5C_6R_1R_2C_4C_6C_7 + C_3C_5C_6R_2R_3R_4 + C_3C_6R_2R_3R_4 + C_3C_6R_3R_4 + C_3C_6R_3R$

Parameters:

 $\text{Q:} \begin{array}{c} \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ & - C_2R_2R_4+C_3R_1R_4+C_3R_2R_3+C_4R_3-C_5R_3 + C_4R_3-C_5R_3 + C_4R_3-C_$

wo: $\sqrt{R_2 + R_4} \sqrt{\frac{1}{C_2 C_3 R_1} \frac{1}{R_2 R_4 + C_2 C_3 R_2 R_3 R_4 + C_3 C_4 R_2 R_3 R_4 - C_3 C_5 R_2 R_3 R_4}}$

 $\sqrt{R_2 + R_4} (C_2 R_2 R_4 + C_3 R_1 R_4 + C_3 R_2 R_3 + C_3 R_2 R_4 + C_3 R_3 R_4 + C_4 R_2 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_2 C_3 R_1 R_2 R_4 + C_2 C_3 R_2 R_3 R_4 + C_3 C_4 R_2 R_3 R_4 - C_3 C_5 R_2 R_3 R_4}}$

K-LP: 0

K-HP: $\frac{C_5 R_1 R_6}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_3C_5R_1R_2R_4}{C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_3R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4} \\ \end{array}$

Qz: None Wz: None

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8.149 X-INVALID-NUMER-149 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)
```

 $C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s$ $H(s) = \frac{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_3C_4R_2R_3R_4R_5 - C_3C_5R_2R_3R_4R_5 + C_3R_2R_4R_5 + C_3R_2R_3R_4 + C_3R_2R_3R_4$

Parameters:

 $\frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\frac{R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}{+\frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\frac{R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}$ $\sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5+C_3C_4R_2R_3R_4R_5-C_3C_5R_2R_3R_4R_5}}(C_2R_2R_4R_5+C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5)$ $\frac{\sqrt{\sqrt{c_2 c_3 n_1 n_2 n_4 n_5 + c_2 c_3 n_2 n_3 n_4 n_5 + c_2 n_3 n_4 n_5 + c_2 n_3 n_4 n_5 + c_2 n_4 n_$ K-LP: 0

K-HP: $\frac{C_5 R_1 R_6}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_3R_1R_2R_4R_6}{C_2R_2R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 + C_4R_2R_4R_5 - C_5R_2R_4R_5} \\ \end{array}$

Wz: None

8.150 X-INVALID-NUMER-150 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4$ $\overline{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_$

Parameters:

 $O: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R$ wo: $\sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5+C_3C_4R_2R_3R_4R_5-C_3C_5R_2R_3R_4R_5}}$ $\frac{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}{C_{2}C_{3}R_{1}R_{2}R_{4}+R_{5}+C_{3}C_{2}R_{2}R_{3}R_{4}+F_{5}+C_{3}C_{2}R_{3}R_{4}+F_{5}+C_{3}R_{2}R_{3}R_{4}+F_{5}+C_{3}R_{2}R_{3}R_{4}+F_{5}+C_{3}R_{2}R_{3}R_{4}+F_{5}+C_{3}R_{2}R_{3}R_{4}+F_{5}+C_{3}R_{2}R_{3}R_{4}+F_{5}+C_{3}R_{2}R_{4}R_{5}+C_{3}R_{4}R_{5}+C_{3}R_{4}R_{5}+C_{3}R_{4}R_{5}+C_{3}R_{4}R_{5}+C_{3}R_{4}R_{5}+C_{3}R_{4}R_{5}+C_{3}$

 $\begin{array}{l} \text{K-LP:} -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5} \\ \text{K-HP:} \ 0 \end{array}$

 $\text{K-BP:} \ \frac{C_3C_5R_1R_2R_4R_5}{C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_3R_4R_5 + C_4C_6R_2R_4R_5 - C_5C_6R_2R_4R_5} \\ \text{Qz: None}$

Wz: None

8.151 X-INVALID-NUMER-151 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6\right)$

 $C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6$ $H(s) = \frac{1}{C_2C_3R_1R_2R_3R_4R_5s^2 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(C_2R_1R_2R_4R_5 + C_2R_2R_3R_4R_5 + C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_4R_5} - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5} + C_3R_2R_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{R_1R_4R_5} - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2R_3\sqrt{R_4}\sqrt{R_5}}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_2R_3R_6}{C_2R_1R_2R_5 + C_2R_2R_3R_5 + C_3R_1R_3R_5 + C_3R_2R_3R_5}$

Qz: None Wz: None

8.152 X-INVALID-NUMER-152 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{C_2C_3R_1R_2R_3R_4s^2 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s\left(C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4\right)}$

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Q: \frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}} wo: \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}} bandwidth: \frac{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}}{C_2C_3R_1R_2R_3\sqrt{R_4}}
       K-LP: 0
      K-HP: \frac{C_5 R_6}{C_2}
      K-BP: \frac{C_2}{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3-C_5R_2R_3}Qz: None
       Wz: None
8.153 X-INVALID-NUMER-153 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)
                                                                                                             H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4}{C_2C_3C_6R_1R_2R_3R_4s^2 + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_2C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}
   Parameters:
```

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}}{C_2C_3R_1R_2R_3\sqrt{R_4}}$

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_3}{C_2C_6R_1R_2+C_2C_6R_2R_3+C_3C_6R_1R_3+C_3C_6R_2R_3-C_5C_6R_2R_3}$ Qz: None

Wz: None

8.154 X-INVALID-NUMER-154 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, R_6\right)$

 $H(s) = \frac{C_3R_1R_2R_3R_6s + R_1R_2R_6}{C_2C_3R_1R_2R_3R_5s^2 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s\left(C_2R_1R_2R_5 + C_2R_2R_3R_5 + C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_5\right)}$

 $C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{C_2R_1R_2\sqrt{R_5}+C_2R_2R_3+R_3R_5}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_5}+C_2R_2R_3\sqrt{R_5}+C_3R_1R_3\sqrt{R_5}+C_3R_2R_3\sqrt{R_5}}{C_3C_3R_3R_3R_3\sqrt{R_5}+C_3R_2R_3\sqrt{R_5}}$

K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_2R_3R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_2R_3R_5}$ Qz: None Wz: None

8.155 X-INVALID-NUMER-155 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{C_2C_3R_1R_2R_3s^2 + R_1 + R_2 + R_3 + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $\frac{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}{C_2C_3R_1R_2R_3}$

K-LP: 0

K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3} \\ \text{Qz: None}$

Wz: None

8.156 X-INVALID-NUMER-156
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_3s + C_5R_1R_2}{C_2C_3C_6R_1R_2R_3s^2 + C_6R_1 + C_6R_2 + C_6R_3 + s\left(C_2C_6R_1R_2 + C_2C_6R_2R_3 + C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}$$

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $\frac{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}{C_2C_3R_1R_2R_3}$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_3}{C_2C_6R_1R_2+C_2C_6R_2R_3+C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3-C_5C_6R_2R_3}$ Qz: None

Wz: None

8.157 X-INVALID-NUMER-157 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$

$$H(s) = \frac{C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6}{C_2C_3R_1R_2R_3R_4R_5s^2 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(C_2R_1R_2R_4R_5 + C_2R_2R_3R_4R_5 + C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 + C_4R_2R_3R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1}R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5} + C_3R_2R_3\sqrt{R_4}\sqrt{R_5} + C_4R_2R_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{R_1R_4R_5} - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5} + C_3R_2R_3\sqrt{R_4}\sqrt{R_5} + C_4R_2R_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2R_3\sqrt{R_4}\sqrt{R_5}}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

K-BP: $\frac{C_3R_1R_2R_3R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_2R_3R_5}$ Qz: None

Wz: None

8.158 X-INVALID-NUMER-158 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{C_2C_3R_1R_2R_3R_4s^2 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s\left(C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1}R_4 + R_2R_3 + R_2R_4 + R_3R_4}{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} + C_4R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} + C_4R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}}{C_2C_3R_1R_2R_3\sqrt{R_4}}$

K-LP: 0

K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_5R_1R_2R_6}{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}$ Qz: None

Wz: None

8.159 X-INVALID-NUMER-159 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4}{C_2C_3C_6R_1R_2R_3R_4s^2 + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_2C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_4}+R_2R_3+R_2R_4+R_3R_4}{C_2R_1R_2\sqrt{R_4}+C_2R_2R_3\sqrt{R_4}+C_3R_1R_3\sqrt{R_4}+C_3R_2R_3\sqrt{R_4}+C_4R_2R_3\sqrt{R_4}-C_5R_2R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$

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bandwidth: \frac{C_2R_1R_2\sqrt{R_4}+C_2R_2R_3\sqrt{R_4}+C_3R_1R_3\sqrt{R_4}+C_3R_2R_3\sqrt{R_4}+C_4R_2R_3\sqrt{R_4}-C_5R_2R_3\sqrt{R_4}}{C_2C_3R_1R_2R_3\sqrt{R_4}}
K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}
K-HP: 0
```

K-BP: $\frac{C_3C_5R_1R_2R_3}{C_2C_6R_1R_2+C_2C_6R_2R_3+C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3-C_5C_6R_2R_3}$ Qz: None

Wz: None

8.160 X-INVALID-NUMER-160 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{-C_1C_5C_6R_2R_3R_4s^2 + C_6R_4 + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4\right)}$$

Parameters:

Q: $-\frac{i\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}R_4}{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}$

wo: $\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}{\sqrt{C_1}C_5R_2R_3R_4}$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_5 R_2 R_4 R_6}{C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4}$

Qz: None Wz: None

8.161 X-INVALID-NUMER-161 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{C_6R_4 + s^2\left(-C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_5 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_3R_4R_5\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_5C_6R_4R_5\right)}$$

Parameters:

$$Q: \frac{-\sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}\sqrt{R_{4}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_$$

 $\sqrt{R_4}\sqrt{-\tfrac{1}{C_1C_5R_2R_3R_4-C_1C_5R_2R_3R_5-C_1C_5R_2R_4R_5-C_1C_5R_3R_4R_5}}(C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_5R_4R_5)$ $-\sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}\sqrt{R_{4}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_5R_4R_5}$ Qz: None

Wz: None

8.162 X-INVALID-NUMER-162 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_2 R_4 R_5 R_6 s + R_2 R_4 R_6}{-C_1 C_5 R_2 R_3 R_4 R_5 s^2 + R_4 R_5 + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5\right)}$$

Parameters:

wo: $\frac{i}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $\frac{\sqrt{C_1}R_2R_3R_4 - \sqrt{C_1}R_2R_3R_5 - \sqrt{C_1}R_2R_4R_5 - \sqrt{C_1}R_3R_4R_5}{\sqrt{C_1}C_5R_2R_3R_4R_5}$

K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0

K-BP: $-\frac{C_5R_2R_4R_5R_6}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5}$

Qz: None Wz: None

8.163 X-INVALID-NUMER-163
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_6 + s^2 \left(C_1 C_4 C_6 R_2 R_3 - C_1 C_5 C_6 R_2 R_3\right) + s \left(C_1 C_6 R_2 + C_1 C_6 R_3\right)}$$

$$\begin{array}{l} Q\colon \frac{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_2+\sqrt{C_1}R_3} \\ \text{wo: } \sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}} \\ \text{bandwidth: } \frac{\left(\sqrt{C_1}R_2+\sqrt{C_1}R_3\right)\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}} \\ \text{K-LP: } \frac{C_5R_2}{C_6} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_5R_2R_6}{C_1R_2+C_1R_3} \\ \text{Qz: None} \\ \text{Wz: None} \end{array}$$

8.164 X-INVALID-NUMER-164 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5 + s^2 \left(C_1 C_4 R_2 R_3 R_5 - C_1 C_5 R_2 R_3 R_5\right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5\right)}$$

Parameters:

8.165 X-INVALID-NUMER-165 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_4 R_2 R_4 R_6 s + R_2 R_6}{R_5 + s^2 \left(-C_1 C_4 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_5 + C_1 C_4 R_2 R_4 R_5 + C_1 C_4 R_3 R_4 R_5\right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_4 R_4 R_5\right)}$$

Parameters:

Wz: None

$$Q: \frac{\sqrt{C_1}\sqrt{C_4}R_2R_3R_4\sqrt{R_5}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_4}R_2R_3R_5^{\frac{3}{2}}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_4}R_2R_3R_5^{\frac{3}{2}}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}} - \sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5}} - \sqrt{C_1}\sqrt{$$

8.166 X-INVALID-NUMER-166
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4\right)}$$

$$\begin{array}{l} Q\colon \frac{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}\\ \text{wo: } \sqrt{\frac{1}{C_1C_4R_2}\frac{1}{R_3-C_1C_5R_2R_3}}\\ \text{bandwidth: } \frac{\left(\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4\right)\sqrt{\frac{1}{C_1C_4R_2}\frac{1}{R_3-C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: } \frac{C_5R_2}{C_6}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.167 X-INVALID-NUMER-167 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_2 R_4 R_5 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^2 \left(C_1 C_4 R_2 R_3 R_4 R_5 - C_1 C_5 R_2 R_3 R_4 R_5\right) + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5\right)}$$

Parameters:

8.168 X-INVALID-NUMER-168 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_3C_5C_6R_2R_4R_5s^2 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right)}$$

Parameters:

8.169 X-INVALID-NUMER-169 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_6R_2R_4R_5R_6 - C_1C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_6 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_5R_2R_4R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_5R_4R_5 - C_1C_5R_5R_5R_5 - C_1C_5R_5R_5R$$

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\frac{\sqrt{C_1C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_3-C_5}+\frac{C_1R_2R_5}{C_3-C_5}+\frac{C_1R_4R_5}{C_3-C_5}+\frac{C_3R_4R_5}{C_3-C_5}-\sqrt{C_1}C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_3-C_5}+\frac{C_1R_2R_5}{C_3-C_5}+\frac{C_1R_4R_5}{C_3-C_5}+\frac{C_3R_4R_5}{C_3-C_5}+\frac{C_3R_4R_5}{C_3-C_5}+\frac{C_3R_4R_5}{C_3-C_5}+\frac{C_3R_4R_5}{C_3-C_5}+\frac{C_3R_4R_5}{C_3-C_5}}{C_1C_3R_2R_4R_5-C_1C_5R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6}
                                                                         \sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_6R_2R_4R_5R_6-C_1C_5C_6R_2R_4R_5R_6}}(C_1C_3R_2R_4R_5-C_1C_5R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6)}
                                                       \frac{\sqrt{C_1C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_2-C_5}+\frac{C_1R_4R_5}{C_2-C_5}+\frac{C_3R_4R_5}{C_2-C_5}-\sqrt{C_1}C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_2-C_5}+\frac{C_1R_4R_5}{C_2-C_5}+\frac{C_3R_4R_5}{C_2-C_5}} + \frac{C_3R_4R_5}{C_2-C_5}}{\sqrt{C_1C_5\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_2-C_5}+\frac{C_1R_4R_5}{C_2-C_5}+\frac{C_3R_4R_5}{C_2-C_5}}} + \frac{C_3R_4R_5}{C_2-C_5}
          K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}
           K-HP: 0
          K-BP: \frac{C_3C_5R_2R_4R_5R_6}{C_1C_3R_2R_4R_5-C_1C_5R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6} Qz: None
           Wz: None
8.170 X-INVALID-NUMER-170 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                             H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5\right) + s\left(C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_1C_5C_6R_5 + C_3C_5C_6R_5\right)}
    Parameters:
      wo: \frac{\sqrt{C_1 + C_2} - C_1 C_5 R_2 + C_1 C_5 R_5 + \overline{C_3 C_5 R_5}}{\sqrt{C_1 + C_3}}
wo: \frac{\sqrt{C_1 + C_3}}{\sqrt{C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_2 R_5}}
bandwidth: \frac{C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_1 C_5 R_5 + C_3 C_5 R_5}{\sqrt{C_1 \sqrt{C_5}} \sqrt{R_2} \sqrt{R_5} \sqrt{C_3 + C_4} \sqrt{C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_5}}
K-LP: \frac{C_3 C_5 R_2}{C_1 C_6 + C_3 C_6}
K-HP: 0
          K-BP: \frac{C_3C_5R_2R_6}{C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}
            Qz: None
            Wz: None
8.171 X-INVALID-NUMER-171 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                    C_3C_5R_2R_5R_6s + C_3R_2R_6
                                                                                                                                   H(s) = \frac{C_3C_5R_2R_5R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6 - C_1C_5C_6R_2R_5R_6\right) + s\left(C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 - C_1C_6R_2R_6 + C_1C_6R_5R_6 + C_3C_6R_5R_6\right)}
     Parameters:
           \text{bandwidth: } \frac{\sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_3C_6R_2R_5R_6+C_1C_4C_6R_2R_5}}(C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_5R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6)}{\sqrt{C_1}C_3\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2}{C_3+C_4-C_5}}+\frac{C_1R_5}{C_3+C_4-C_5}+\sqrt{C_1}C_4\sqrt{C_6}\sqrt{R_2}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2}{C_3+C_4-C_5}}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5}+\frac{C_1R_5}{C_3+C_4-C_5
         K-LP: -\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}
K-HP: 0
          K-BP: \frac{C_3C_5R_2R_5R_6}{C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_5R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6} Qz: None
           Wz: None
8.172 X-INVALID-NUMER-172 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
                                                                                                                                                                                                                                  H(s) = \frac{C_3C_4R_2R_4R_6s + C_3R_2R_6}{C_1C_3C_4R_2R_4R_5s^2 - C_1R_2 + C_1R_5 + C_3R_5 + s\left(C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 + C_3C_4R_4R_5\right)}
     Parameters:
          Q: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{C_1C_3R_2R_5-C_1C_4R_2R_4+C_1C_4R_2R_5+C_1C_4R_4R_5+C_3C_4R_4R_5} wo: \frac{\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}} bandwidth: \frac{C_1C_3R_2R_5-C_1C_4R_2R_4+C_1C_4R_2R_5+C_1C_4R_4R_5+C_3C_4R_4R_5}{C_1C_3C_4R_2R_4R_5}
```

K-LP: $-\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}$

K-BP: $\frac{C_3C_4R_2R_4R_6}{C_1C_3R_2R_5-C_1C_4R_2R_4+C_1C_4R_2R_5+C_1C_4R_4R_5+C_3C_4R_4R_5}$

Qz: None Wz: None

8.173 X-INVALID-NUMER-173 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_3C_4R_2R_4 - C_1C_4C_5R_2R_4\right) + s\left(C_1C_3R_2 + C_1C_4R_2 + C_1C_4R_4 - C_1C_5R_2 + C_3C_4R_4\right)}$$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}} - \sqrt{C_1}\sqrt{C_4}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}}}{C_1C_3R_2+C_1C_4R_2+C_1C_4R_4-C_1C_5R_2+C_3C_4R_4} \\ \text{wo: } \sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_3C_4R_2R_4-C_1C_4C_5R_2R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1+C_3}(C_1C_3R_2+C_1C_4R_2+C_1C_4R_4-C_1C_5R_2+C_3C_4R_4)\sqrt{\frac{1}{C_1C_3C_4R_2R_4}-\frac{1}{C_1C_4C_5R_2R_4}}}{\sqrt{C_1}C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}} - \sqrt{C_1}\sqrt{C_4}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}}}} \\ \text{K-LP: 0} \\ \text{K-HP: } \frac{C_3C_5R_6}{C_1C_3-C_1C_5} \\ \text{K-BP: } \frac{C_3C_5R_6}{C_1C_3R_2+C_1C_4R_2+C_1C_4R_4-C_1C_5R_2+C_3C_4R_4}}{C_1C_4R_4-C_1C_5R_2+C_3C_4R_4}} \\ \text{Qz: None} \\ \text{Wz: None}$

8.174 X-INVALID-NUMER-174 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5R_2R_4s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_4 - C_1C_4C_5C_6R_2R_4\right) + s\left(C_1C_3C_6R_2 + C_1C_4C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_3C_4C_6R_4\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_1}C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}} - \sqrt{C_1}\sqrt{C_4}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}}}{C_1C_3R_2+C_1C_4R_2+C_1C_4R_4-C_1C_5R_2+C_3C_4R_4} \\ \text{wo: } \sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_3C_4R_2R_4-C_1C_4C_5R_2R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1+C_3}(C_1C_3R_2+C_1C_4R_2+C_1C_4R_4-C_1C_5R_2+C_3C_4R_4)\sqrt{\frac{1}{C_1C_3C_4R_2R_4}-\frac{1}{C_1C_4C_5R_2R_4}}}{\sqrt{C_1}C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}} - \sqrt{C_1}\sqrt{C_4}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}}}} \\ \text{K-LP: } \frac{C_3C_5R_2}{C_1C_6+C_3C_6} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_3C_4C_5R_2R_4}{C_1C_3C_6R_2+C_1C_4C_6R_4-C_1C_5C_6R_2+C_3C_4C_6R_4}} \\ \text{Qz: None} \\ \text{Wz: None}$$

8.175 X-INVALID-NUMER-175 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5\right) + s\left(C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right)}$$

Parameters:

```
8.176 X-INVALID-NUMER-176 Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}
```

 $C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6$

 $H(s) = \frac{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + c_1C_4C_6R_2R_4R_5R_6 - C_1C_5C_6R_2R_4R_5R_6) + s(C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_6R_2R_4R_5 - C_1C_6R_4R_5R_5 - C_1C_6R_4R_5R_5 - C_1C_6R_4R_5R_5 - C_1C_6R_4R_5R_5 - C_1C_6R_4R_5R_5 - C_1C_6R_4R_5R_5 - C_1C_6R_5R_5R_5 - C_1C_6R_5$

Parameters:

 $\frac{-C_{1}R_{2}R_{4}+C_{1}R_{2}R_{5}+C_{1}R_{4}R_{5}+C_{3}R_{4}R_{5}}{\sqrt{C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{C_{3}+C_{4}-C_{5}}+\frac{C_{1}R_{4}R_{5}}{C_{3}+C_{4}-C_{5}}+\frac{C_{1}R_{4}R_{5}}{C_{3}+C_{4}-C_{5}}+\frac{C_{1}R_{4}R_{5}}{C_{3}+C_{4}-C_{5}}+\frac{C_{1}R_{2}R_{4}}{C_{3}+C_{4}-C_{5}}+\frac{C_{1}R_{2}R_{4}}{C_{3}+C_{4}-C_{5}}+\frac{C_{1}R_{2}R_{4}}{C_{3}+C_{4}-C_{5}}+\frac{C_{1}R_{4}R_{5}}{C_$

 $\frac{C_3C_5R_2R_4R_5R_6}{C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_4R_5R_6 + C_3C_6R_4R_5R_6}$

Qz: None

Wz: None

8.177 X-INVALID-NUMER-177 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4$ $H(s) = \frac{C_3C_3C_3C_3C_2C_4C_6}{-C_1C_3C_5C_6R_2R_3R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_2R_4\right)}$

Parameters:

Q: $-\frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1}R_2 + C_1R_4 + C_3R_4}{\sqrt{C_1}C_3R_2R_3 + \sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_3R_4 - \sqrt{C_1}C_5R_2R_4}$

bandwidth: $\frac{i\sqrt{-C_1R_2-C_1R_4-C_3R_4}\Big(\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4-\sqrt{C_1}C_5R_2R_4\Big)}{\sqrt{C_1C_3R_2R_4}-\sqrt{C_1C_3R_$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4}$

Qz: None

Wz: None

8.178 X-INVALID-NUMER-178 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4$

 $H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(-C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R$

Parameters:

 $-\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{2}R_{3}R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{2}R_{3}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{2}R_{3}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}{R_{3}}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{3}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{4}R_{5}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}}+\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}R_{4}R_{5}\sqrt{C_{1}R_{4}+C_{1}R_{4}+C_$

 $\frac{-C_1R_2 - C_1R_4 - C_3R_4}{C_1C_3C_5R_2R_3R_4 - C_1C_3C_5R_2R_3R_5 - C_1C_3C_5R_2R_4R_5 - C_1C_3C_5R_3R_4R_5}$

 $\sqrt{\frac{-C_1R_2-C_1R_4-C_3R_4}{C_1C_3C_5R_2R_3R_4-C_1C_3C_5R_2R_3R_5-C_1C_3C_5R_2R_4R_5-C_1C_3C_5R_3R_4R_5}}(C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5)$

 $\frac{\sqrt{C_1C_3C_5R_2R_3R_4 - C_1C_3C_5R_2R_3R_4 - C_1C_3C_5R_2R_4R_5 - C_1C_3C_5R_4R_5 - C_1C_3C_5R_4$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}$ Qz: None

Wz: None

8.179 X-INVALID-NUMER-179 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1C_3C_5R_2R_3R_4R_5s^2 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(-C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_3R_4R_5 - C_1C_5R_2R_4R_5\right)}$

```
\begin{array}{l} \text{Q:} \ \frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1}R_2R_4 - C_1R_2R_5 - C_1R_4R_5 - C_3R_4R_5}{\sqrt{C_1}C_3R_2R_3R_4 - \sqrt{C_1}C_3R_2R_3R_5 - \sqrt{C_1}C_3R_2R_4R_5 - \sqrt{C_1}C_3R_3R_4R_5 + \sqrt{C_1}C_5R_2R_4R_5} \\ \text{wo:} \ \frac{\sqrt{C_1}R_2R_4 - C_1R_2R_5 - C_1R_4R_5 - C_3R_4R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}} \\ \text{bandwidth:} \ \frac{\sqrt{C_1}C_3R_2R_3R_4 - \sqrt{C_1}C_3R_2R_3R_5 - \sqrt{C_1}C_3R_2R_4R_5 - \sqrt{C_1}C_3R_3R_4R_5 + \sqrt{C_1}C_5R_2R_4R_5}{\sqrt{C_1}C_3C_5R_2R_3R_4R_5} \\ \text{K-LP:} \ -\frac{C_3R_2R_4R_6}{C_1R_2R_4 - C_1R_2R_5 - C_1R_4R_5 - C_3R_4R_5} \\ \text{K-HP:} \ 0 \\ \text{K-BP:} \ -\frac{C_3C_5R_2R_4R_5R_6}{C_1C_3R_2R_3R_4 - C_1C_3R_2R_3R_5 - C_1C_3R_2R_4R_5 - C_1C_3R_3R_4R_5 + C_1C_5R_2R_4R_5} \\ \text{Qz:} \ \text{None} \end{array}
```

8.180 X-INVALID-NUMER-180 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2\right)}$$

Parameters:

Wz: None

8.181 X-INVALID-NUMER-181 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_5R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_2R_3R_5 - C_1C_3C_5R_2R_3R_5\right) + s\left(-C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5\right)}$$

Parameters:

$$Q \colon \frac{-\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_1R_5}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}} + \sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_1R_5}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}} }{\sqrt{C_1}C_3R_2R_3-\sqrt{C_1}C_3R_2R_5-\sqrt{C_1}C_3R_3R_5-\sqrt{C_1}C_4R_2R_5+\sqrt{C_1}C_5R_2R_5}} \\ \text{wo: } \sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_3C_4R_2R_3R_5-C_1C_3C_5R_2R_3R_5}} \\ \text{bandwidth: } \frac{\sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_3C_4R_2R_3R_5-C_1C_3C_5R_2R_3R_5}} \left(\sqrt{C_1}C_3R_2R_3-\sqrt{C_1}C_3R_2R_5-\sqrt{C_1}C_3R_3R_5-\sqrt{C_1}C_4R_2R_5+\sqrt{C_1}C_5R_2R_5}\right) \\ -\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_1R_5}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}}} + \sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_1R_5}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}} \\ \text{K-LP: } -\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5} \\ \text{K-HP: } 0 \\ \text{K-BP: } -\frac{C_3C_5R_2R_5R_6}{C_1C_3R_2R_3-C_1C_3R_2R_5-C_1C_3R_3R_5-C_1C_4R_2R_5+C_1C_5R_2R_5}}{C_1C_3R_3R_5-C_1C_4R_2R_5+C_1C_5R_2R_5} \\ \text{Qz: None} \\ \text{Wz: None} \\ \end{aligned}$$

8.182 X-INVALID-NUMER-182 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_2R_4R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(-C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_4R_2R_4R_5\right) + s\left(-C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 + C_3C_4R_4R_5\right)}$$

Parameters:

 $Q: \frac{\sqrt{C_{1}\sqrt{C_{3}}\sqrt{C_{4}}R_{2}R_{3}R_{4}}\sqrt{-\frac{C_{1}R_{2}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}{C_{1}C_{3}C_{4}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} - \sqrt{C_{1}\sqrt{C_{3}}\sqrt{C_{4}}R_{2}R_{3}R_{5}} - \sqrt{C_{1}\sqrt{C_{3}}\sqrt{C_{4}}R_{2}R_{3}R_{5}}} - \sqrt{C_{1}\sqrt{C_{3}}\sqrt{C_{4}}R_{2}R_{3}R_{5}}} - \sqrt{C_{1}\sqrt{C_{3}}\sqrt{C_{4}}R_{2}R_{3}R_{5}}} - \sqrt{C_{1}\sqrt{C_{3}}\sqrt{C_{4}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} - \sqrt{C_{1}\sqrt{C_{3}}\sqrt{C_{4}}R_{2}R_{3}R_{5}}} - \sqrt{C_{1}\sqrt{C_{$

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K-HP: 0
```

 $\text{K-BP:} - \frac{C_3C_4R_2R_4R_6}{C_1C_3R_2R_3 - C_1C_3R_2R_5 - C_1C_3R_3R_5 + C_1C_4R_2R_4 - C_1C_4R_2R_5 - C_1C_4R_4R_5 - C_3C_4R_4R_5}$

Qz: None

Wz: None

8.183 X-INVALID-NUMER-183 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_4C_6R_2R_3R_4 - C_1C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4}R_2R_4-\sqrt{C_1}C_5R_2R_4} \\ \text{wo: } \sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4-C_1C_3C_5R_2R_3R_4}}$

 $\text{bandwidth: } \frac{\sqrt{C_1R_2 + C_1R_3 + C_1C_3C_4R_2R_3R_4} - C_1C_3C_5R_2R_3R_4}{\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \left(\sqrt{C_1C_3R_2R_3 + \sqrt{C_1C_3R_2R_4} + \sqrt{C_1C_3R_3R_4} + \sqrt{C_1C_4R_2R_4} - \sqrt{C_1C_5R_2R_4}\right) \sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}}{\sqrt{C_3C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_3C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_4 - C_5}}}}}$

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4+C_1C_4R_2R_4-C_1C_5R_2R_4}$ Qz: None

Wz: None

8.184 X-INVALID-NUMER-184 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_4R_2R_3R_4R_5 - C_1C_3C_5R_2R_3R_4R_5\right) + s\left(-C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C$

Parameters:

 $Q \colon \frac{-\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_4-C_5}+\frac{C_1R_2R_5}{C_4-C_5}+\frac{C_1R_4R_5}{C_4-C_5}+\frac{C_3R_4R_5}{C_4-C_5}+\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_4-C_5}+\frac{C_1R_2R_5}{C_4-C_5}+\frac{C_1R_4R_5}{C_4-C_5}+\frac{C_3R_4R_5}{C_4-C_5}}{\sqrt{C_1}C_3R_2R_3R_4-\sqrt{C_1}C_3R_2R_3R_5-\sqrt{C_1}C_3R_2R_4R_5-\sqrt{C_1}C_3R_3R_4R_5-\sqrt{C_1}C_4R_2R_4R_5+\sqrt{C_1}C_5R_2R_4R_5}$

wo: $\sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_4R_2R_3R_4R_5-C_1C_3C_5R_2R_3R_4R_5}}$

 $\frac{\sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_4R_2R_3R_4R_5-C_1C_3C_5R_2R_3R_4R_5}}(\sqrt{C_1}C_3R_2R_3R_4-\sqrt{C_1}C_3R_2R_3R_5-\sqrt{C_1}C_3R_2R_4R_5-\sqrt{C_1}C_3R_3R_4R_5-\sqrt{C_1}C_4R_2R_4R_5+\sqrt{C_1}C_5R_2R_4R_5)}{-\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_5}{C_4-C_5}+\frac{C_1R_4R_5}{C_4-C_5}+\frac{C_3R_4R_5}{C_4-C_5}+\frac{C_3R_4R_5}{C_4-C_5}+\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_4-C_5}+\frac{C_1R_4R_5}{C_4-C_5}+\frac{C_3R_4R_5}{C_4-C_5}}$

K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$

 $\text{K-BP:} - \frac{C_3C_5R_2R_4R_5R_6}{C_1C_3R_2R_3R_4 - C_1C_3R_2R_3R_5 - C_1C_3R_2R_4R_5 - C_1C_3R_3R_4R_5 - C_1C_4R_2R_4R_5 + C_1C_5R_2R_4R_5}$

Qz: None Wz: None

8.185 X-INVALID-NUMER-185 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_3R_2R_3R_4R_6s + R_2R_4R_6}{C_1C_3R_2R_3R_4R_5s^2 + R_4R_5 + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5\right)}$

Parameters:

Q: $-\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}R_4R_5}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}$

wo: $\frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{C_1R_2R_3R_4 - C_1R_2R_3R_5 - C_1R_2R_4R_5 - C_1R_3R_4R_5 - C_3R_3R_4R_5}{C_1C_3R_2R_3R_4R_5}$

K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0

K-BP: $-\frac{C_3R_2R_3R_4R_6}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}$

Qz: None Wz: None

8.186 X-INVALID-NUMER-186 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_3R_2R_3R_4 - C_1C_5R_2R_3R_4\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}}{C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_{3}C_{5}R_{6}}{C_{1}C_{3}-C_{1}C_{5}}\\ \text{K-BP: } \frac{C_{5}R_{2}R_{4}R_{6}}{C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.187 X-INVALID-NUMER-187 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_3C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}}{C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}}\\ \text{K-LP: } \frac{C_{5}R_{2}}{C_{6}}\\ \text{K-HP: } 0\\ \text{K-BP: } \frac{C_{3}C_{5}R_{2}R_{3}R_{4}}{C_{1}C_{6}R_{2}R_{3}+C_{1}C_{6}R_{2}R_{4}+C_{1}C_{6}R_{3}R_{4}+C_{3}C_{6}R_{3}R_{4}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.188 X-INVALID-NUMER-188 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3R_2R_3R_6s + R_2R_6}{R_5 + s^2\left(C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_3R_3R_5\right)}$$

Parameters:

$$\begin{array}{l} \text{Q:} -\frac{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_5\sqrt{C_3+C_4}}{C_1R_2R_3-C_1R_2R_5-C_1R_3R_5-C_3R_3R_5}\\ \text{wo:} \ \frac{1}{\sqrt{C_1C_3R_2R_3+C_1C_4R_2R_3}}\\ \text{bandwidth:} \ -\frac{C_1R_2R_3-C_1R_2R_5-C_1R_3R_5-C_3R_3R_5}{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_5\sqrt{C_3+C_4}\sqrt{C_1C_3}R_2R_3+C_1C_4R_2}.\\ \text{K-LP:} \ \frac{R_2R_6}{R_5}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ -\frac{C_3R_2R_3R_6}{C_1R_2R_3-C_1R_2R_5-C_1R_3R_5-C_3R_3R_5}\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

8.189 X-INVALID-NUMER-189 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_6s^2 + C_5R_2R_6s}{s^2\left(C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3\right) + s\left(C_1R_2 + C_1R_3 + C_3R_3\right) + 1}$$

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}{C_{1}R_{2}+C_{1}R_{3}+C_{3}R_{3}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}+C_{1}R_{3}+C_{3}R_{3})\sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}{\sqrt{C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_{3}C_{5}R_{6}}{C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}}}\\ \text{K-BP: } \frac{C_{5}R_{2}R_{6}}{C_{1}R_{2}+C_{1}R_{3}+C_{3}R_{3}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.190 X-INVALID-NUMER-190 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_3s + C_5R_2}{C_6 + s^2\left(C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_3+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_2+C_1R_3+C_3R_3} \\ \text{wo: } \sqrt{\frac{1}{C_1C_3R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}} \\ \text{bandwidth: } \frac{(C_1R_2+C_1R_3+C_3R_3)\sqrt{\frac{1}{C_1C_3R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}}{\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_3+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}} \\ \text{K-LP: } \frac{C_5R_2}{C_6} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_3C_5R_2R_3}{C_1C_6R_2+C_1C_6R_3+C_3C_6R_3}} \\ \text{Qz: None} \\ \text{Wz: None}$$

8.191 X-INVALID-NUMER-191 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3R_2R_3R_4R_6s + R_2R_4R_6}{R_4R_5 + s^2\left(C_1C_3R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5\right)}$$

Parameters:

$$\begin{array}{l} \text{Q:} -\frac{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{C_3+C_4}}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}\\ \text{wo:} \ \frac{1}{\sqrt{C_1C_3R_2R_3+C_1C_4R_2R_3}}\\ \text{bandwidth:} \ -\frac{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}{\sqrt{C_1}\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{C_3+C_4}\sqrt{C_1C_3R_2R_3+C_1C_4R_2R_3}}\\ \text{K-LP:} \ \frac{R_2R_6}{R_5}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ -\frac{C_3R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$$

8.192 X-INVALID-NUMER-192 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_3R_2R_3R_4 + C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4\right)}$$

$$\begin{array}{c} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}{C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{\sqrt{C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_{3}C_{5}R_{6}}{C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}} \end{array}$$

K-BP: $\frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_3R_3R_4}$ Qz: None

Wz: None

8.193 X-INVALID-NUMER-193 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_3C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4\right)}$

Parameters:

 $\text{Q: } \frac{\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_3R_3R_4}$ bandwidth: $\frac{(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}}{\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3 + C_4 - C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3 + C_4 - C_5}}}$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_3C_5R_2R_3R_4}{C_1C_6R_2R_3+C_1C_6R_2R_4+C_1C_6R_3R_4+C_3C_6R_3R_4}$ Qz: None

Wz: None

8.194 X-INVALID-NUMER-194 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_4R_6s + C_5R_6}{C_1 + C_2 + s^2\left(C_1C_2C_4R_3R_4 - C_1C_4C_5R_3R_4\right) + s\left(C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_4R_4\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_2\sqrt{C_4}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2-C_5}} - \sqrt{C_1}\sqrt{C_4}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2-C_5}}}{C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_4R_4}$ wo: $\sqrt{C_1 + C_2}\sqrt{\frac{1}{C_1C_2C_4R_3R_4 - C_1C_4C_5R_3R_4}}$ bandwidth: $\frac{\sqrt{C_1+C_2}(C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_4R_4)\sqrt{\frac{1}{C_1C_2C_4R_3R_4 - C_1C_4C_5R_3R_4}}}{\sqrt{C_1C_2}\sqrt{C_4}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2-C_5}} - \sqrt{C_1}\sqrt{C_4}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2-C_5}}}$

K-LP: $\frac{C_5R_6}{C_1+C_2}$ K-HP: 0

K-BP: $\frac{C_4C_5R_4R_6}{C_1C_2R_3+C_1C_4R_3+C_1C_4R_4-C_1C_5R_3+C_2C_4R_4}$ Qz: None

Wz: None

8.195 X-INVALID-NUMER-195 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_4R_6s + C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}$

Parameters:

wo: $\frac{C_1C_2R_4+C_1C_3R_4+C_1C_5R_5+C_2C_3R_4}{\sqrt{C_1}}$ wo: $\frac{C_1C_2R_4+C_1C_3C_5R_4R_5+C_2C_3C_5R_4R_5}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_5R_4+C_1C_5R_5+C_2C_3R_4}}$ bandwidth: $\frac{C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_5R_4R_5+C_1C_3C_5R_4R_5+C_2C_3C_5R_4R_5}}$ K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}$ Oz: None

Qz: None Wz: None

8.196 X-INVALID-NUMER-196
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$$

$$H(s) = \frac{C_3C_5R_4R_5R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_6R_4R_5R_6 + C_1C_3C_6R_4R_5R_6 - C_1C_5C_6R_4R_5R_6 + C_2C_3C_6R_4R_5R_6\right) + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 - C_1C_6R_4R_6 + C_1C_6R_5R_6 + C_2C_3R_4R_5\right)}$$

 $Q: \frac{C_1^{\frac{3}{2}}C_2\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1^{\frac{3}{2}}C_5\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \sqrt{C_1C_2C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_2+C_1C_3-C_1C_5+C_$

K-BP: $\frac{C_3C_5R_4R_5R_6}{C_1C_2R_4R_5+C_1C_3R_4R_5-C_1C_5R_4R_5-C_1C_6R_4R_6+C_1C_6R_5R_6+C_2C_3R_4R_5}$ Qz: None

Qz: None Wz: None

8.197 X-INVALID-NUMER-197 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_5R_6s + C_3R_6}{-C_1 + s^2\left(C_1C_2C_6R_5R_6 + C_1C_3C_6R_5R_6 + C_1C_4C_6R_5R_6 - C_1C_5C_6R_5R_6 + C_2C_3C_6R_5R_6\right) + s\left(C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 - C_1C_6R_6 + C_2C_3R_5\right)}$$

Parameters:

 $\begin{array}{c} \frac{C_1^{\frac{3}{2}} C_2 \sqrt{C_6} \sqrt{R_5} \sqrt{R_6} \sqrt{-C_1 C_2 + C_1 C_3 + C_1 C_2 C_3} + C_1^{\frac{3}{2}} C_3 \sqrt{C_6} \sqrt{R_5} \sqrt{R_6} \sqrt{-C_1 C_2 + C_1 C_3 + C_1 C_3$

8.198 X-INVALID-NUMER-198 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_4R_6s + C_3R_6}{-C_1 + s^2\left(C_1C_2C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_2C_3C_4R_4R_5\right) + s\left(C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 + C_2C_3R_5\right)}$$

Parameters:

Wz: None

Q: $\frac{i\sqrt{C_1}\sqrt{C_4}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}}{C_1C_2R_5+C_1C_3R_5-C_1C_4R_4+C_1C_4R_5+C_2C_3R_5}$ wo: $\frac{i\sqrt{C_1}}{\sqrt{C_1C_2C_4R_4R_5+C_1C_3C_4R_4R_5+C_2C_3C_4R_4R_5}}$

bandwidth: $\frac{C_1C_2R_5 + C_1C_3R_5}{\sqrt{C_4}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2 + C_1C_3 + C_2C_3}\sqrt{C_1C_2C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_2C_3C_4R_4R_5}}$

K-LP: $-\frac{C_3 R_6}{C_1}$ K-HP: 0

K-BP: $\frac{C_3C_4R_4R_6}{C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 + C_2C_3R_5}$

Qz: None Wz: None

8.199 X-INVALID-NUMER-199 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_4R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_4C_6R_4R_6 + C_1C_3C_4C_6R_4R_6 + C_2C_3C_4C_6R_4R_6 + C_1C_3C_4R_4 + C_1C_2C_6R_6 + C_1C_3C_4R_4 + C_1C_3C_6R_6 - C_1C_4C_5R_4 + C_1C_4C_6R_6 - C_1C_5C_6R_6 + C_2C_3C_4R_4 + C_2C_3C_6R_6\right)}$$

 $C_{1}C_{2}\sqrt{C_{4}}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{\frac{C_{1}C_{2}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+$ $\frac{C_{1}C_{2}\sqrt{C_{4}}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{\frac{C_{1}C_{2}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}C_{3}}{C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{3}+C_{1}C_{3}-C_{1}C_{3}+C_{1}C_{3}$ K-LP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-HP: 0 $\begin{array}{l} \text{K-BP:} \ \frac{C_3C_4C_5R_4R_6}{C_1C_2C_4R_4+C_1C_2C_6R_6+C_1C_3C_4R_4+C_1C_3C_6R_6-C_1C_4C_5R_4+C_1C_4C_6R_6-C_1C_5C_6R_6+C_2C_3C_4R_4+C_2C_3C_6R_6} \\ \text{Qz: None} \end{array}$ Wz: None **8.200** X-INVALID-NUMER-200 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_3C_4C_5R_4R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_4C_5R_4R_5 + C_1C_3C_4C_5R_4R_5 + C_2C_3C_4C_5R_4R_5\right) + s\left(C_1C_2C_4R_4 + C_1C_2C_5R_5 + C_1C_3C_4R_4 + C_1C_3C_5R_5 - C_1C_4C_5R_4 + C_1C_4C_5R_5 + C_2C_3C_4R_4 + C_2C_3C_5R_5\right)}$ Parameters: wo: $\frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_1C_2C_4C_5R_4R_5+C_1C_3C_4C_5R_4R_5+C_2C_3C_4C_5R_4R_5}}$ bandwidth: $\frac{C_1C_2C_4R_4+C_1C_2C_5R_5+C_1C_3C_4R_4+C_1C_3C_5R_5-C_1C_4C_5R_4+C_1C_4C_5R_5+C_2C_3C_4R_4+C_2C_3C_5R_5}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_4C_5R_4R_5+C_1C_3C_4C_5R_4R_5+C_2C_3C_4C_5R_4R_5}}$ K-LP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-HP: 0 $\text{K-BP: } \frac{C_3C_4C_5R_4R_6}{C_1C_2C_4R_4 + C_1C_2C_5R_5 + C_1C_3C_4R_4 + C_1C_3C_5R_5 - C_1C_4C_5R_4 + C_1C_4C_5R_5 + C_2C_3C_4R_4 + C_2C_3C_5R_5}$ Qz: None Wz: None **8.201** X-INVALID-NUMER-201 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_4 R_4 s + 1}, & R_5 + \frac{1}{C_5 s}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$ $C_3C_5C_6R_4R_6s + C_3C_5R_4$ $H(s) = \frac{C_3 C_5 C_6 R_4 R_5 + C_3 C_5 C_6}{C_1 C_2 C_5 C_6 R_4 R_5 + C_1 C_3 C_5 C_6 R_4 R_5 + C_2 C_3 C_5 C_6 R_4 R_5) + s \left(C_1 C_2 C_6 R_4 + C_1 C_3 C_6 R_4 + C_1 C_5 C_6 R_4 + C_1 C_5 C_6 R_4 + C_1 C_5 C_6 R_5 + C_2 C_3 C_6 R_4 \right)}$ **Parameters:** wo: $\frac{\sqrt{C_1}}{\sqrt{C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_2C_3C_5R_4R_5}}$ bandwidth: $\frac{C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_5R_5}{\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2 + C_1C_3 + C_1C_4 + C_2C_3}\sqrt{C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5}}$ K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-HP: 0 K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_1C_5R_5+C_2C_3R_4}$ Qz: None Wz: None **8.202** X-INVALID-NUMER-202 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$ $C_3C_5R_4R_5R_6s + C_3R_4R_6$ $H(s) = \frac{1}{-C_{1}R_{4} + C_{1}R_{5} + s^{2}\left(C_{1}C_{2}C_{6}R_{4}R_{5}R_{6} + C_{1}C_{3}C_{6}R_{4}R_{5}R_{6} + C_{1}C_{5}C_{6}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{6}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{6}R_{4}R_{5}R_{6} + C_{1}C_{3}R_{4}R_{5} + C_{1}C_{3}R_{4}R$ Parameters: $Q: \frac{C_1^{\frac{3}{2}}C_2\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_3\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_4\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_4\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{R_4}{C_1C_4+C_1C_5+C_2C_3}} + C_1^{\frac{3}{2}}C_4\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-$

Daildwidth: $\frac{\frac{3}{C_{1}^{2}C_{2}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{R_{4}}{C_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{6}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{R_{4$

Qz: None Wz: None

8.203 X-INVALID-NUMER-203
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_4R_6s + C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

 $Q \colon \frac{C_1 C_2 \sqrt{C_3} \sqrt{R_3} \sqrt{R_4} \sqrt{\frac{1}{C_2 - C_5}} - C_1 \sqrt{C_3} C_5 \sqrt{R_3} \sqrt{R_4} \sqrt{\frac{1}{C_2 - C_5}}}{C_1 C_2 R_4 + C_1 C_3 R_3 + C_1 C_3 R_4 - C_1 C_5 R_4 + C_2 C_3 R_4}$ $\text{wo: } \sqrt{\frac{1}{C_2 C_3 R_3 R_4 - C_3 C_5 R_3 R_4}}$ $\text{bandwidth: } \frac{(C_1 C_2 R_4 + C_1 C_3 R_3 + C_1 C_3 R_4 - C_1 C_5 R_4 + C_2 C_3 R_4) \sqrt{\frac{1}{C_2 C_3 R_3 R_4 - C_3 C_5 R_3 R_4}}}{C_1 C_2 \sqrt{C_3} \sqrt{R_3} \sqrt{R_4} \sqrt{\frac{1}{C_2 - C_5}} - C_1 \sqrt{C_3} C_5 \sqrt{R_3} \sqrt{R_4} \sqrt{\frac{1}{C_2 - C_5}}}$ $\text{K-LP: } \frac{C_3 C_5 R_4}{C_1 C_6}$

K-HP: 0

K-BP: $\frac{C_3C_5R_4R_6}{C_1C_2R_4+C_1C_3R_3+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4}$ Qz: None

Qz: None Wz: None

8.204 X-INVALID-NUMER-204 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_4R_5R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_3R_4R_5 - C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2-C_5}}+\frac{R_5}{C_2-C_5}-C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2-C_5}}+\frac{R_5}{C_2-C_5}}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5-C_1C_5R_4R_5+C_2C_3R_4R_5}\\ \text{wo: } \sqrt{\frac{-R_4+R_5}{C_2C_3R_3R_4R_5-C_3C_5R_3R_4R_5}}\\ \text{bandwidth: } \frac{-\frac{R_4+R_5}{C_2C_3R_3R_4R_5-C_3C_5R_3R_4R_5}(C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5-C_1C_5R_4R_5+C_2C_3R_4R_5)}{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2-C_5}}+\frac{R_5}{C_2-C_5}}-C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2-C_5}}+\frac{R_5}{C_2-C_5}}\\ \text{K-LP: } -\frac{C_3R_4R_6}{C_1R_4-C_1R_5}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_3C_5R_4R_5R_6}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_5R_4R_5+C_2C_3R_4R_5}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.205 X-INVALID-NUMER-205 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_5R_6s + C_3R_6}{-C_1 + s^2\left(C_1C_2C_3R_3R_5 + C_1C_3C_4R_3R_5 - C_1C_3C_5R_3R_5\right) + s\left(C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}$$

8.206 X-INVALID-NUMER-206
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_4C_5R_4R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_3R_4 - C_1C_3C_4C_5R_3R_4\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_3C_4R_3 + C_1C_3C_4R_4 - C_1C_3C_5R_3 - C_1C_4C_5R_4 + C_2C_3C_4R_4\right)}$$

 $Q: \frac{\sqrt{C_{1}C_{2}}\sqrt{C_{3}}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{\frac{C_{1}C_{2}}{C_{2}-C_{5}}} + \frac{C_{1}C_{3}}{C_{2}-C_{5}} + \frac{C_{1}C_{5}}{C_{2}-C_{5}} + \frac{C_{2}C_{3}}{C_{2}-C_{5}}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{4}}C_{5}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{\frac{C_{1}C_{2}}{C_{2}-C_{5}}} + \frac{C_{1}C_{5}}{C_{2}-C_{5}}} + \frac{C_{2}C_{3}}{C_{2}-C_{5}}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{4}}C_{5}\sqrt{R_{3}}\sqrt{R_{4}}}\sqrt{\frac{C_{1}C_{2}}{C_{2}-C_{5}}} + \frac{C_{1}C_{5}}{C_{2}-C_{5}}} + \frac{C_{2}C_{3}}{C_{2}-C_{5}}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{4}}C_{5}\sqrt{R_{3}}\sqrt{R_{4}}}\sqrt{\frac{C_{1}C_{2}}{C_{2}-C_{5}}} + \frac{C_{1}C_{3}}{C_{2}-C_{5}}} + \frac{C_{2}C_{3}}{C_{2}-C_{5}}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{4}}C_{5}R_{3}} - C_{1}C_{4}C_{5}R_{4} + C_{2}C_{3}C_{4}R_{4}}$ $\text{wo: } \sqrt{\frac{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{2}C_{3}C_{4}R_{3}}}} \times \sqrt{C_{1}C_{2}C_{3}R_{3}+C_{1}C_{2}C_{4}R_{4}-C_{1}C_{3}C_{5}R_{3}-C_{1}C_{4}C_{5}R_{4}+C_{2}C_{3}C_{4}R_{4}}$ $\text{bandwidth: } \frac{\sqrt{\frac{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{\sqrt{C_{1}C_{2}C_{3}C_{4}R_{3}R_{4}-C_{1}C_{3}C_{4}C_{5}R_{3}R_{4}}} (C_{1}C_{2}C_{3}R_{3}+C_{1}C_{2}C_{4}R_{4}+C_{1}C_{3}C_{4}R_{3}+C_{1}C_{3}C_{4}R_{4}-C_{1}C_{3}C_{5}R_{3}-C_{1}C_{4}C_{5}R_{4}+C_{2}C_{3}C_{4}R_{4}}} \times \sqrt{\frac{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{2}-C_{5}}} + \frac{C_{1}C_{3}}{C_{2}-C_{5}} + \frac{C_{1}C_{3}}{C_{2}-C_{5}} + \frac{C_{1}C_{3}}{C_{2}-C_{5}} + \frac{C_{1}C_{3}}{C_{2}-C_{5}} + \frac{C_{1}C_{3}}{C_{2}-C_{5}} + \frac{C_{2}C_{3}}{C_{2}-C_{5}} + \frac{C_{2}C_{3}$

8.207 X-INVALID-NUMER-207 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_4R_6s + C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_3R_4 + C_1C_3C_4C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

$$Q \colon \frac{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} + C_1\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} - C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4} \\ \text{Wo: } \sqrt{\frac{1}{C_2C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4}} \\ \text{bandwidth: } \frac{(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4}}}{\frac{1}{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} + C_1\sqrt{C_3}C_4\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} - C_1\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}} \\ \text{K-LP: } \frac{C_3C_5R_4}{C_1C_6} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_3C_5R_4R_6}{C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_5R_4 + C_2C_3R_4}}{C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_5R_4 + C_2C_3R_4}} \\ \text{Qz: None} \\ \text{Wz: None}$$

8.208 X-INVALID-NUMER-208 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_4R_5R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_3R_4R_5 + C_1C_3C_4R_3R_4R_5 - C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

$$Q \colon \frac{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2+C_4-C_5}} + \frac{R_5}{C_2+C_4-C_5}}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_1C_4R_4R_5-C_1C_5R_4R_5+C_2C_3R_4R_5}}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_1C_4R_4R_5-C_1C_5R_4R_5+C_2C_3R_4R_5}} \\ wo: \sqrt{\frac{-R_4+R_5}{C_2C_3R_3R_4R_5+C_3C_4R_3R_4R_5-C_3C_5R_3R_4R_5}}}{\sqrt{\frac{C_2C_3R_3R_4R_5+C_3C_4R_3R_4R_5-C_3C_5R_3R_4R_5}{C_3C_4R_3R_4R_5-C_3C_5R_3R_4R_5}}}} \\ (c_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5$$

8.209 X-INVALID-NUMER-209 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_3R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_6R_3R_4R_6 + C_1C_3C_6R_3R_4R_6 - C_1C_5C_6R_3R_4R_6 + C_2C_3C_6R_3R_4R_6\right) + s\left(C_1C_2R_3R_4 + C_1C_3R_3R_4 + C_1C_6R_3R_6 + C_1C_6R_4R_6 + C_2C_3R_3R_4 + C_1C_6R_3R_6 + C_1C_6R_3R_6 + C_1C_6R_3R_6 + C_2C_3R_3R_4 + C_1C_6R_3R_6 + C_1C_6R_3R_6 + C_2C_3R_3R_4 + C_2C_6R_4R_6\right)}$

Parameters:

 $\frac{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_$

 $bandwidth: \frac{\sqrt{C_1R_3 + C_1R_4 + C_2R_4}(C_1C_2R_3R_4 + C_1C_5R_3R_4 + C_1C_6R_4R_6 + C_2C_3R_3R_4 + C_2C_6R_4R_6)\sqrt{\frac{1}{C_1C_2C_6R_3R_4R_6 + C_1C_5C_6R_3R_4R_6 + C_2C_3C_6R_3R_4R_6}}{C_1C_2\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4$

K-BP: $\frac{C_3C_5R_3R_4R_6}{C_1C_2R_3R_4+C_1C_3R_3R_4-C_1C_5R_3R_4+C_1C_6R_3R_6+C_1C_6R_4R_6+C_2C_3R_3R_4+C_2C_6R_4R_6}$ Qz: None

Wz: None

8.210 X-INVALID-NUMER-210 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $C_3C_5R_3R_4R_6s + C_5R_4R_6$ $H(s) = \frac{C_3C_5R_3R_4R_5 + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_3R_3R_4 + C_2C_5R_4R_5\right)}$

Parameters:

wo: $\frac{\sqrt{C_1R_3 + C_1R_4 + C_2R_4}}{\sqrt{C_1C_2C_5}R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5}}{\sqrt{C_1C_2C_5}R_3R_4C_1C_3C_5R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_3R_3R_4 + C_2C_5R_4R_5}}$ bandwidth: $\frac{C_1C_2R_3R_4 + C_1C_3R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_3R_3R_4 + C_2C_5R_4R_5}{\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2 + C_1C_3 + C_2C_3}\sqrt{C_1C_2C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5}}$ K-LP: $\frac{C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_3R_4R_6}{C_1C_2R_3R_4+C_1C_3R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_3R_3R_4+C_2C_5R_4R_5}$

Qz: None

Wz: None

8.211 X-INVALID-NUMER-211 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_3R_6s + C_5R_6}{C_1 + C_2 + s^2\left(C_1C_2C_6R_3R_6 + C_1C_3C_6R_3R_6 + C_1C_4C_6R_3R_6 - C_1C_5C_6R_3R_6 + C_2C_3C_6R_3R_6\right) + s\left(C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_6R_6 + C_2C_3R_3 + C_2C_6R_6\right)}$

Parameters:

 $Q: \frac{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}R_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}R_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{2}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{2}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{2}\sqrt{C_{1}C_{2}+$

wo: $\sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 C_6 R_3 R_6 + C_1 C_3 C_6 R_3 R_6 + C_1 C_4 C_6 R_3 R_6 - C_1 C_5 C_6 R_3 R_6 + C_2 C_3 C_6 R_3 R_6}$

 $\sqrt{C_1 + C_2} \left(C_1 C_2 R_3 + C_1 C_3 R_3 + C_1 C_4 R_3 - C_1 C_5 R_3 + C_1 C_6 R_6 + C_2 C_3 R_3 + C_2 C_6 R_6 \right) \sqrt{\frac{C_1 C_2 C_6 R_3 R_6 + C_1 C_3 C_6 R_3 R_6 + C_1 C_5 C_6 R_3 R_6 + C_2 C_3 C_6 R_5 + C_2 C_5 C_6 R_5 + C_2$ $\frac{\sqrt{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{$

K-LP: $\frac{C_5R_6}{C_1+C_2}$ K-HP: 0

K-BP: $\frac{C_3C_5R_3R_6}{C_1C_2R_3+C_1C_3R_3+C_1C_4R_3-C_1C_5R_3+C_1C_6R_6+C_2C_3R_3+C_2C_6R_6}$ Qz: None

Wz: None

8.212 X-INVALID-NUMER-212 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{1}{C_4 s}, & R_5 + \frac{1}{C_5 s}, & R_6 \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_3R_6s + C_5R_6}{C_1 + C_2 + s^2\left(C_1C_2C_5R_3R_5 + C_1C_3C_5R_3R_5 + C_1C_4C_5R_3R_5 + C_2C_3C_5R_3R_5\right) + s\left(C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_5R_5 + C_2C_3R_3 + C_2C_5R_5\right)}$

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K-LP: \frac{C_5 R_6}{C_1 + C_2}
K-HP: 0
             K-BP: \frac{C_3C_5R_3R_6}{C_1C_2R_3+C_1C_3R_3+C_1C_4R_3-C_1C_5R_3+C_1C_5R_5+C_2C_3R_3+C_2C_5R_5} Qz: None
              Wz: None
8.213 X-INVALID-NUMER-213 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_3C_5R_3R_4R_6s + C_5R_4R_6
                                 H(s) = \frac{C_3C_5R_3R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_6R_3R_4R_6 + C_1C_3C_6R_3R_4R_6 + C_1C_5C_6R_3R_4R_6 + C_1C_5C_6R_3R_4 + C_1C_5R_3R_4 + C_1
      Parameters:
               Q: \underbrace{\frac{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}} + C_{1}R_{4} + C_{2}R_{4}\sqrt{\frac{1}{C_{1}C_{2} + C_{1}C_{3}} + C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}} + C_{1}R_{4} + C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2} + C_{1}C_{3}} + C_{1}C_{5}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}} + C_{1}C_{
              wo: \sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2C_6R_3R_4R_6 + C_1C_3C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 - C_1C_5C_6R_3R_4R_6 + C_2C_3C_6R_3R_4R_6}
                                                                                                                                                                                                                                                                                                                                                                                                                                             \frac{\sqrt{C_1C_2\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}}{C_1C_2\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1C_4+C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1C_4+C_2C_3}} + C_1C_3\sqrt{C_6}\sqrt{R_3}\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1C_4
             \text{K-BP: } \frac{C_3C_5R_3R_4R_6}{C_1C_2R_3R_4+C_1C_3R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_4+C_1C_6R_3R_6+C_1C_6R_4R_6+C_2C_3R_3R_4+C_2C_6R_4R_6}
                 Qz: None
               Wz: None
8.214 X-INVALID-NUMER-214 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_3C_5R_3R_4R_6s + C_5R_4R_6
                                                                          H(s) = \frac{C_3C_3R_4R_5}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_1C_4C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_3R_3R_4 + C_2C_5R_4R_5\right)}{s(C_1C_2R_3R_4 + C_1C_4R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_3R_5 + C_2C_3R_3R_4 + C_2C_5R_4R_5)}
      Parameters:
       Q: \frac{\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_3}+C_1R_4+C_2R_4}{\sqrt{C_1C_2}+C_1C_3+C_1C_4+C_2C_3}}{\sqrt{C_1C_2R_3R_4}+C_1C_3R_3R_4+C_1C_5R_3R_4}+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_3R_3R_4+C_2C_5R_4R_5}
wo: \frac{\sqrt{C_1R_3}+C_1R_4+C_2R_4}{\sqrt{C_1C_2C_5}R_3R_4R_5+C_1C_3C_5R_3R_4R_5+C_2C_3C_5R_3R_4R_5}}
bandwidth: \frac{C_1C_2R_3R_4+C_1C_3R_3R_4+C_1C_4C_5R_3R_4+C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_3R_3R_4+C_2C_5R_4R_5}{\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2}+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_5R_3R_4R_5+C_1C_3C_5R_3R_4R_5+C_1C_4C_5R_3R_4R_5+C_2C_3C_5}}
K-LP: \frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4}
K-HP: 0
             K-BP: \frac{C_3C_5R_3R_4R_6}{C_1C_2R_3R_4+C_1C_3R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_3R_3R_4+C_2C_5R_4R_5}{\text{Qz: None}} Qz: None
              Wz: None
8.215 X-INVALID-NUMER-215 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                     H(s) = \frac{C_2C_5R_2R_4R_6s + C_5R_4R_6}{-C_1C_2C_5R_2R_3R_4s^2 + C_1R_3 + C_1R_4 + C_2R_4 + s\left(C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4\right)}
      Parameters:
```

Q: $-\frac{i\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1}R_3 + C_1R_4 + C_2R_4}{\sqrt{C_1}C_2R_2R_3 + \sqrt{C_1}C_2R_2R_4 + \sqrt{C_1}C_2R_3R_4 - \sqrt{C_1}C_5R_3R_4}$ wo: $\frac{\sqrt{-C_1}R_3 - C_1R_4 - C_2R_4}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{i\sqrt{-C_1R_3-C_1R_4-C_2R_4}\Big(\sqrt{C_1}C_2R_2R_3+\sqrt{C_1}C_2R_2R_4+\sqrt{C_1}C_2R_3R_4-\sqrt{C_1}C_5R_3R_4\Big)}{-(1-c_1R_3-c_1R_4-c_2R_4)}$ $\sqrt{C_1}C_2C_5R_2R_3R_4\sqrt{C_1R_3+C_1R_4+C_2R_4}$ K-LP: $\frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4}$ K-HP: 0 K-BP: $\frac{C_2C_5R_2R_4R_6}{C_1C_2R_2R_3+C_1C_2R_2R_4+C_1C_2R_3R_4-C_1C_5R_3R_4}$

8.216 X-INVALID-NUMER-216 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(-C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_5R_4R_5\right)}$

Parameters:

 $Q: \frac{-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{5}}R_{2}R_{3}R_{4}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{5}}R_{2}R_{3}R_{5}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{5}}R_{3}R_{4}+C_{1}C_{5}R_{3}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{5}}R_{3}R_{4}+C_{1}C_{5}R_{3}R_{4}+C$ Wo: $\sqrt{\frac{-C_1R_3 - C_1R_4 - C_2R_4}{C_1C_2C_5R_2R_3R_4 - C_1C_2C_5R_2R_3R_5 - C_1C_2C_5R_2R_4R_5 - C_1C_2C_5R_3R_4R_5}}$ $\frac{-c_{1}R_{3}-c_{1}R_{4}-c_{2}R_{4}}{\sqrt{c_{1}c_{2}c_{5}R_{2}R_{3}R_{4}-c_{1}c_{2}c_{5}R_{3}R_{4}-c_{1}c_{2}c_{5}R_{3}R_{4}-c_{1}c_{2}c_{5}R_{3}R_{4}-c_{1}c_{2}c_{5}R_{3}R_{4}-c_{1}c_{2}c_{5}R_{3}R_{4}-c_{1}c_{2}R_{3}R_{4}+c_{1}c_{5}R_{3}R_$

K-LP: $\frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4}$ K-HP: 0

K-BP: $\frac{C_2C_5R_2R_4R_6}{C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_5R_4R_5}$

Qz: None Wz: None

8.217 X-INVALID-NUMER-217 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_1 + C_2 + s^2\left(C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3\right) + s\left(C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_{2}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{4}-C_{5}}}-\sqrt{C_{2}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{4}-C_{5}}}}{\sqrt{C_{1}}C_{2}R_{2}+\sqrt{C_{1}}C_{2}R_{3}+\sqrt{C_{1}}C_{4}R_{3}-\sqrt{C_{1}}C_{5}R_{3}}$ $\text{wo: } \sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}C_{4}R_{2}R_{3}-C_{1}C_{2}C_{5}R_{2}R_{3}}}$ $\text{bandwidth: } \frac{\sqrt{C_{1}+C_{2}}\left(\sqrt{C_{1}}C_{2}R_{2}+\sqrt{C_{1}}C_{2}R_{3}+\sqrt{C_{1}}C_{4}R_{3}-\sqrt{C_{1}}C_{5}R_{3}\right)\sqrt{\frac{1}{C_{1}C_{2}C_{4}R_{2}R_{3}-C_{1}C_{2}C_{5}R_{2}R_{3}}}}{\sqrt{C_{2}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{4}-C_{5}}}-\sqrt{C_{2}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{4}-C_{5}}}}$ K-LP: $\frac{C_5R_6}{C_1+C_2}$ K-HP: 0 K-BP: $\frac{C_2C_5R_2R_6}{C_1C_2R_2+C_1C_2R_3+C_1C_4R_3-C_1C_5R_3}$ Qz: None Wz: None

8.218 X-INVALID-NUMER-218 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4\right)}$

Parameters:

 $\frac{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_2C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1C_2R_2R_3} + \sqrt{C_1C_2R_2R_4} + \sqrt{C_1C_2R_3R_4} + \sqrt{C_1C_4R_3R_4} - \sqrt{C_1C_5R_3R_4}}$ wo: $\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{\frac{1}{C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4}}$ bandwidth: $\frac{\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\left(\sqrt{C_1}C_2R_2R_3 + \sqrt{C_1}C_2R_2R_4 + \sqrt{C_1}C_2R_3R_4 + \sqrt{C_1}C_4R_3R_4 - \sqrt{C_1}C_5R_3R_4\right)\sqrt{\frac{1}{C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4}}}{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_4 - C_5}}}$ K-LP: $\frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4}$ K-HP: 0K-BP: $\frac{C_2C_5R_2R_4R_6}{C_1C_2R_2R_3+C_1C_2R_2R_4+C_1C_2R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_4}$ Qz: None Wz: None

8.219 X-INVALID-NUMER-219 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_2R_4R_6s + C_3R_4R_6}{C_1C_2C_3R_2R_4R_5s^2 - C_1R_4 + C_1R_5 + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_2C_3R_4R_5\right)}$$

Parameters:

Q: $-\frac{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}}{C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_2C_3R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $-\frac{C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_2C_3R_4R_5}{C_1C_2C_3R_2R_4R_5}$

K-LP: $-\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: 0

K-BP: $-\frac{C_2C_3R_2R_4R_6}{C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_2C_3R_4R_5}$ Qz: None

Wz: None

8.220 X-INVALID-NUMER-220 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_3R_2R_4 - C_1C_2C_5R_2R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4\right)}$$

Parameters:

Q: $\frac{C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}}-C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}}}{C_1C_2R_2+C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4}$

WO: $\sqrt{\frac{1}{C_2C_3R_2R_4-C_2C_5R_2R_4}}$

wo. $\sqrt{C_2C_3R_2R_4 - C_2C_5R_2R_4}$ bandwidth: $\frac{(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_2R_4 - C_2C_5R_2R_4}}}{C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3 - C_5}} - C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3 - C_5}}}$

K-HP: $\frac{C_3C_5R_6}{C_1C_3-C_1C_5}$ K-BP: $\frac{C_3C_5R_6}{C_1C_2R_2+C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4}$ Qz: None

Wz: None

8.221 X-INVALID-NUMER-221 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4s + C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_4 - C_1C_2C_5C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

bandwidth: $\frac{(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_2R_4 - C_2C_5R_2R_4}}}{C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}} - C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}}}$

K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-HP: 0

K-BP: $\frac{C_2C_3C_5R_2R_4}{C_1C_2C_6R_2+C_1C_2C_6R_4+C_1C_3C_6R_4-C_1C_5C_6R_4+C_2C_3C_6R_4}$ Qz: None

Wz: None

8.222 X-INVALID-NUMER-222 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_2R_6s + C_3R_6}{-C_1 + s^2\left(C_1C_2C_3R_2R_5 + C_1C_2C_4R_2R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 + C_2C_3R_5\right)}$$

```
wo: \frac{\iota}{\sqrt{C_2C_3R_2R_5+C_2C_4R_2R_5}} bandwidth: -\frac{C_1C_2R_2-C_1C_2R_5-C_1C_3R_5-C_1C_4R_5-C_2C_3R_5}{C_1\sqrt{C_2}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_2C_3R_2R_5+C_2C_4R_2R_5}}
             K-HP: 0
            K-BP: -\frac{C_2C_3R_2R_6}{C_1C_2R_2-C_1C_2R_5-C_1C_3R_5-C_1C_4R_5-C_2C_3R_5} Qz: None
             Wz: None
8.223 X-INVALID-NUMER-223 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                             H(s) = \frac{C_2C_3C_5R_2R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_6R_2R_6 + C_1C_2C_4C_6R_2R_6 - C_1C_2C_5C_6R_2R_6\right) + s\left(C_1C_2C_3R_2 + C_1C_2C_5R_2 + C_1C_2C_6R_6 + C_1C_3C_6R_6 + C_1C_4C_6R_6 - C_1C_5C_6R_6 + C_2C_3C_6R_6\right)}
     Parameters:
              Q: \frac{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}\sqrt{\frac{C_1C_2}{C_3+C_4-C_5}} + \frac{C_1C_3}{C_3+C_4-C_5} + \frac{C
             Wo: \sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_6R_2R_6+C_1C_2C_4C_6R_2R_6-C_1C_2C_5C_6R_2R_6}}
              \text{bandwidth: } \frac{\sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_6R_2R_6+C_1C_2C_5R_2+C_1C_2C_5R_2+C_1C_2C_6R_6+C_1C_3C_6R_6+C_1C_3C_6R_6+C_2C_3C_6R_6}}{\sqrt{C_1\sqrt{C_2}C_3\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}\sqrt{\frac{C_1C_2}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3+C_4-C_5}+\frac{C_1C_3}{C_3
            K-LP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}
K-HP: 0
            \text{K-BP: } \frac{C_2C_3C_5R_2R_6}{C_1C_2C_3R_2 + C_1C_2C_4R_2 - C_1C_2C_5R_2 + C_1C_2C_6R_6 + C_1C_3C_6R_6 + C_1C_4C_6R_6 - C_1C_5C_6R_6 + C_2C_3C_6R_6}
               Qz: None
             Wz: None
8.224 X-INVALID-NUMER-224 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_2C_3C_5R_2R_6s + C_3C_5R_6
                                                                                                                                                 H(s) = \frac{C_2C_3C_5R_2R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2(C_1C_2C_3C_5R_2R_5 + C_1C_2C_4C_5R_2R_5) + s(C_1C_2C_3R_2 + C_1C_2C_5R_2 + C_1C_2C_5R_5 + C_1C_3C_5R_5 + C_1C_4C_5R_5 + C_2C_3C_5R_5)}
     Parameters:
       Q: \frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{C_1C_2C_3R_2+C_1C_2C_4R_2-C_1C_2C_5R_2+C_1C_2C_5R_5+C_1C_3C_5R_5+C_1C_4C_5R_5+C_2C_3C_5R_5}} wo: \frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_1C_2C_3C_5}R_2R_5+C_1C_2C_4C_5R_2R_5}} bandwidth: \frac{C_1C_2C_3R_2+C_1C_2C_4R_2-C_1C_2C_5R_2+C_1C_2C_5R_5+C_1C_3C_5R_5+C_1C_4C_5R_5+C_2C_3C_5R_5}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_2C_3C_5R_2+C_1C_2C_4C_5R_2}}} K-LP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} K-HP: 0
            K-BP: \frac{C_2C_3C_5R_2R_6}{C_1C_2C_3R_2 + C_1C_2C_4R_2 - C_1C_2C_5R_2 + C_1C_2C_5R_5 + C_1C_3C_5R_5 + C_1C_4C_5R_5 + C_2C_3C_5R_5}{C_1C_2C_3R_2 + C_1C_2C_4R_2 - C_1C_2C_5R_2 + C_1C_2C_5R_5 + C_1C_3C_5R_5 + C_1C_4C_5R_5 + C_2C_3C_5R_5}
              Qz: None
              Wz: None
8.225 X-INVALID-NUMER-225 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
```

 $C_2C_3R_2R_4R_6s + C_3R_4R_6$ $H(s) = \frac{-\frac{1}{12} \left(-\frac{1}{12} \left(-\frac{1}{1$

Parameters:

 $\begin{aligned} & \text{Q:} - \frac{C_1 \sqrt{C_2} \sqrt{R_2} \sqrt{R_4} \sqrt{R_5} \sqrt{C_3 + C_4} \sqrt{-R_4 + R_5}}{C_1 C_2 R_2 R_4 - C_1 C_2 R_2 R_5 - C_1 C_2 R_4 R_5 - C_1 C_3 R_4 R_5 - C_1 C_4 R_4 R_5 - C_2 C_3 R_4 R_5} \\ & \text{wo:} \ \, \frac{\sqrt{-R_4 + R_5}}{\sqrt{C_2 C_3 R_2 R_4 R_5 + C_2 C_4 R_2 R_4 R_5}} \\ & \text{bandwidth:} \ \, - \frac{C_1 C_2 R_2 R_4 - C_1 C_2 R_2 R_5 - C_1 C_2 R_4 R_5 - C_1 C_3 R_4 R_5 - C_1 C_4 R_4 R_5 - C_2 C_3 R_4 R_5}{C_1 \sqrt{C_2} \sqrt{R_2} \sqrt{R_4} \sqrt{R_5} \sqrt{C_3 + C_4} \sqrt{C_2 C_3 R_2 R_4 R_5 + C_2 C_4 R_2 R_4 R_5}} \end{aligned}$ K-LP: $-\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: 0 $\text{K-BP:} - \frac{C_2C_3R_2R_4R_6}{C_1C_2R_2R_4 - C_1C_2R_2R_5 - C_1C_2R_4R_5 - C_1C_3R_4R_5 - C_1C_4R_4R_5 - C_2C_3R_4R_5}$ Qz: None Wz: None

8.226 X-INVALID-NUMER-226
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_3R_2R_4 + C_1C_2C_4R_2R_4 - C_1C_2C_5R_2R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4\right)}$$

8.227 X-INVALID-NUMER-227 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4s + C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_4 + C_1C_2C_4C_6R_2R_4 - C_1C_2C_5C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

8.228 X-INVALID-NUMER-228 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_2R_4R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^2\left(-C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_3R_5 + C_1C_2C_3R_2R_4R_5 + C_1C_2R_3R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 + C_2C_3R_4R_5\right)}$$

Parameters:

Qz: None Wz: None

8.229 X-INVALID-NUMER-229 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_2R_3 - C_1C_2C_3C_5R_2R_3\right) + s\left(C_1C_2C_3R_2 + C_1C_2C_3R_3 + C_1C_2C_4R_2 - C_1C_2C_5R_2 + C_1C_3C_4R_3 - C_1C_3C_5R_3\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_2}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{C_1C_2}{C_4-C_5}} + \frac{C_1C_3}{C_4-C_5} + \frac{C_1C_4}{C_4-C_5} - \frac{C_1C_5}{C_4-C_5} + \frac{C_2C_3}{C_4-C_5}}{\sqrt{C_1C_2}C_3R_2 + \sqrt{C_1}C_2C_3R_3 + \sqrt{C_1}C_2C_4R_2} - \sqrt{C_1}C_2C_5R_2 + \sqrt{C_1}C_3C_4R_3 - \sqrt{C_1}C_3C_5R_3} \\ \text{wo: } \sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_4R_2R_3-C_1C_2C_3C_5R_2R_3}} \\ \text{bandwidth: } \frac{\sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_4R_2R_3-C_1C_2C_3C_5R_2R_3}} (\sqrt{C_1}C_2C_3R_2 + \sqrt{C_1}C_2C_3R_3 + \sqrt{C_1}C_2C_4R_2 - \sqrt{C_1}C_2C_5R_2 + \sqrt{C_1}C_3C_4R_3 - \sqrt{C_1}C_3C_5R_3}) \\ \text{bandwidth: } \frac{\sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_4R_2R_3-C_1C_2C_3C_5R_2R_3}} (\sqrt{C_1}C_2C_3R_2 + \sqrt{C_1}C_2C_3R_3 + \sqrt{C_1}C_2C_4R_2 - \sqrt{C_1}C_2C_5R_2 + \sqrt{C_1}C_3C_4R_3 - \sqrt{C_1}C_3C_5R_3}) \\ \text{bandwidth: } \frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_2}\sqrt{C_3}C_4R_2R_3-C_1C_2C_3C_5R_2R_3}} (\sqrt{C_1}C_2C_3R_2 + \sqrt{C_1}C_2C_3R_3 + \sqrt{C_1}C_2C_4R_2 - \sqrt{C_1}C_2C_5R_2 + \sqrt{C_1}C_3C_4R_3 - \sqrt{C_1}C_3C_5R_3}) \\ \text{bandwidth: } \frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_2}\sqrt{C_3}C_4R_2R_3-C_1C_2C_3C_5R_2R_3}} (\sqrt{C_1}C_2C_3R_2 + \sqrt{C_1}C_2C_3R_3 + \sqrt{C_1}C_2C_4R_2 - \sqrt{C_1}C_2C_5R_2 + \sqrt{C_1}C_3C_5R_3} + \sqrt{C_1}C_2C_4R_2 - \sqrt{C_1}C_2C_5R_2 + \sqrt{C_1}C_3C_5R_3}) \\ \text{bandwidth: } \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_3+C_1C_5+C_2C_3} \\ \text{K-HP: } 0 \\ \text{K-BP: } \frac{C_2C_3C_5R_2R_6}{C_1C_2C_3R_3+C_1C_2C_4R_2-C_1C_2C_5R_2+C_1C_3C_4R_3-C_1C_3C_5R_3} \\ \text{Qz: None} \\ \text{Wz: None} \end{aligned}$$

8.230 X-INVALID-NUMER-230 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_2C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}}}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}\\ \text{wo: } \sqrt{\frac{1}{C_1C_2R_3}R_3-C_1C_5R_2R_3}\\ \text{bandwidth: } \frac{(C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_2R_3-C_1C_5R_2R_3}}}{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2-C_5}}}\\ \text{K-LP: } \frac{C_5R_2}{C_6}\\ \text{K-HP: } 0\\ \text{K-BP: } \frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.231 X-INVALID-NUMER-231 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_2 R_4 R_5 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^2 \left(C_1 C_2 R_2 R_3 R_4 R_5 - C_1 C_5 R_2 R_3 R_4 R_5\right) + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 + C_2 R_2 R_4 R_5\right)}$$

Parameters:

Wz: None

$$\begin{array}{l} Q\colon \frac{-\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_2-C_5}}+\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_2-C_5}}}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5}\\ \text{wo: } \sqrt{\frac{1}{C_1C_2R_2R_3-C_1C_5R_2R_3}}\\ \text{bandwidth: } \frac{(C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5)\sqrt{\frac{1}{C_1C_2R_2R_3-C_1C_5R_2R_3}}}{-\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_2-C_5}}+\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_2-C_5}}}\\ \text{K-LP: } \frac{R_2R_6}{R_5}\\ \text{K-HP: } 0\\ \text{K-BP: } -\frac{C_5R_2R_4R_5R_6}{C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5}\\ \text{Qz: None} \end{array}$$

8.232 X-INVALID-NUMER-232
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_2R_6s + C_5R_2}{C_6 + s^2\left(C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2\right)}$$

$$Q \colon \frac{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1R_2+C_1R_3+C_2R_2} \\ \text{wo: } \sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}} \\ \text{bandwidth: } \frac{(C_1R_2+C_1R_3+C_2R_2)\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}}{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_2+C_4-C_5}}}} \\ \text{K-LP: } \frac{C_5R_2}{C_6} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_5R_2R_6}{C_1R_2+C_1R_3+C_2R_2}} \\ \text{Qz: None} \\ \text{Wz: None}$$

8.233 X-INVALID-NUMER-233 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5 + s^2 \left(C_1 C_2 R_2 R_3 R_5 + C_1 C_4 R_2 R_3 R_5 - C_1 C_5 R_2 R_3 R_5\right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_2 R_2 R_5\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{-\sqrt{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}{C_{1}R_{2}R_{3}-C_{1}R_{2}R_{5}-C_{1}R_{3}R_{5}-C_{2}R_{2}R_{5}}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}-C_{1}R_{2}R_{5}-C_{1}R_{3}R_{5}-C_{2}R_{2}R_{5})\sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{-\sqrt{C_{1}}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}-\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}\\ \text{K-LP: } \frac{R_{2}R_{6}}{R_{5}}\\ \text{K-HP: } 0\\ \text{K-BP: } -\frac{C_{5}R_{2}R_{5}R_{6}}{C_{1}R_{2}R_{5}-C_{1}R_{3}R_{5}-C_{2}R_{2}R_{5}}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.234 X-INVALID-NUMER-234 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4\right)}$$

$$Q\colon \frac{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}\\ \text{wo: } \sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}\\ \text{bandwidth: } \frac{(C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}}{\sqrt{C_1}C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}}+\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_2+C_4-C_5}}}\\ \text{K-LP: } \frac{C_5R_2}{C_6}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}}\\ \text{Qz: None}\\ \text{Wz: None}$$

8.235 X-INVALID-NUMER-235
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$$

$$H(s) = \frac{C_5R_2R_4R_5R_6s + R_2R_4R_6}{R_4R_5 + s^2\left(C_1C_2R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5\right)}$$

$$\begin{array}{l} Q\colon \frac{-\sqrt{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}{C_{1}R_{2}R_{3}R_{4}-C_{1}R_{2}R_{3}R_{5}-C_{1}R_{2}R_{4}R_{5}-C_{1}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}}}\\ \text{wo: } \sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}R_{4}-C_{1}R_{2}R_{3}R_{5}-C_{1}R_{2}R_{4}R_{5}-C_{1}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5})\sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{-\sqrt{C_{1}}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}\\ \text{K-LP: } \frac{R_{2}R_{6}}{R_{5}}\\ \text{K-HP: 0}\\ \text{K-BP: } -\frac{C_{5}R_{2}R_{4}R_{5}R_{6}}{C_{1}R_{2}R_{3}R_{5}-C_{1}R_{2}R_{4}R_{5}-C_{1}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.236 X-INVALID-NUMER-236 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + c_2C_3C_5C_6R_2R_4R_5\right) + s\left(C_1C_2C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_4R_5 + C_1C_5C_6$$

Parameters:

```
Q: \frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_2R_2R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3R_2R_4+C_3C_5R_4R_5} wo: \frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_2C_5R_2R_4R_5+C_1C_3C_5R_3R_4R_5+C_2C_3C_5R_2R_4R_5}} bandwidth: \frac{C_1C_2R_2R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3R_2R_4+C_3C_5R_4R_5}{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_2C_3C_5R_2R_4R_5+C_2C_3C_5R_2R_4R_5+C_2C_3C_5R_2R_4R_5+C_2C_3C_5R_2R_4R_5+C_2C_3C_5R_2R_4R_5}} K-LP: \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}} K-HP: 0
 K-BP: \frac{C_3C_5R_2R_4}{C_1C_2R_2R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3R_2R_4+C_3C_5R_4R_5} Qz: None Wz: None
```

8.237 X-INVALID-NUMER-237 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_6R_2R_4R_5R_6 + C_1C_5C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_1C_5R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_6R_2R_4R_5 - C_1C_6R_4R_5 - C_1C_6R_5R_5 - C_1C_6R_5R_5 - C_1C_6R_5R_5 - C_1C_6R_5R_5$

Parameters:

```
 Q: \frac{C_1C_2\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_1R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_1R_4R_5}{C_1C_3+C_1C_3-C_1C_5+C_2C_3} + \frac{C_1R_4R_5}{C_1C_3
```

8.238 X-INVALID-NUMER-238 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_2C_3C_5C_6R_2R_5\right) + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_5C_6R_2 + C_1C_5C_6$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}\sqrt{C_1+C_3}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1C_2R_2+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_2C_3R_2+C_3C_5R_5}$ wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1C_2C_5R_2R_5+C_1C_3C_5R_2R_5+C_1C_4C_5R_2+C_2C_3C_5R_2R_5}}$ bandwidth: $\frac{C_1C_2R_2+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_1C_4R_2-C_1C_5R_2+C_1C_3C_5R_2}{C_1C_6+C_3C_6}$ K-LP: $\frac{C_3C_5R_2}{C_1C_6+C_3C_6}$ K-HP: 0 K-BP: $\frac{C_3C_5R_2R_6}{C_1C_2R_2+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_2C_3R_2+C_3C_5R_5}$ Qz: None Wz: None **8.239** X-INVALID-NUMER-239 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $C_3C_5R_2R_5R_6s + C_3R_2R_6$ $H(s) = \frac{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_6R_2R_5R_6 + C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6 - C_1C_5C_6R_2R_5R_6 + C_2C_3C_6R_2R_5R_6 + C_1C_4R_2R_5 - C_1C_5R_2R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 - C_1C_6R_2R_6 + C_1C_6R_5R_6 + C_2C_3R_2R_5 + C_3C_6R_2R_5R_6 + C_3C_6R_5R_6 + C_3C$ Parameters: $O: \frac{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{5}+C_{2$ Wo: $\sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_2C_6R_2R_5R_6+C_1C_3C_6R_2R_5R_6+C_1C_4C_6R_2R_5R_6-C_1C_5C_6R_2R_5R_6+C_2C_3C_6R_2R_5R_6}}$ K-LP: $-\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}$ K-HP: 0 $\text{K-BP:} \frac{C_3C_5R_2R_5R_6}{C_1C_2R_2R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_5R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_2C_3R_2R_5+C_3C_6R_5R_6}$ Qz: None Wz: None **8.240** X-INVALID-NUMER-240 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$ $C_3C_4R_2R_4R_6s + C_3R_2R_6$ $H(s) = \frac{-C_1R_2 + C_1R_5 + C_3R_5 + s^2(C_1C_2C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5 + C_2C_3C_4R_2R_4R_5) + s(C_1C_2R_2R_5 + C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 + C_2C_3R_2R_5 + C_3C_4R_4R_5)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2(C_1C_2C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5) + s(C_1C_2R_2R_5 + C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 + C_2C_3R_4R_5)}$ Parameters: wo: $\frac{\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1C_2C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_2C_3C_4R_2R_4R_5}}$ bandwidth: $\frac{C_1C_2R_2R_5+C_1C_3R_2R_5-C_1C_4R_2R_4+C_1C_4R_2R_5+C_1C_4R_4R_5+C_2C_3R_2R_5+C_3C_4R_4R_5}{\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_2C_3C_4R_2R_4R_5}}$ K-LP: $-\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}$ K-HP: 0 K-BP: $\frac{C_3C_4R_2R_4R_6}{C_1C_2R_2R_5+C_1C_3R_2R_5-C_1C_4R_2R_4+C_1C_4R_2R_5+C_1C_4R_4R_5+C_2C_3R_2R_5+C_3C_4R_4R_5}$ Qz: None Wz: None **8.241** X-INVALID-NUMER-241 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_2C_4R_2R_4 + C_1C_3C_4R_2R_4 - C_1C_4C_5R_2R_4 + C_2C_3C_4R_2R_4\right) + s\left(C_1C_2R_2 + C_1C_3R_2 + C_1C_4R_4 - C_1C_5R_2 + C_2C_3R_2 + C_3C_4R_4\right)}$ Parameters: $Q: \frac{C_1C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1\sqrt{C_4}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} \\ - C_1C_2R_2+C_1C_3R_2+C_1C_4R_4-C_1C_5R_2+C_2C_3R_2+C_3C_4R_4$ $\sqrt{C_1 + C_3} (C_1 C_2 R_2 + C_1 C_3 R_2 + C_1 C_4 R_2 + C_1 C_4 R_4 - C_1 C_5 R_2 + C_2 C_3 R_2 + C_3 C_4 R_4) \sqrt{\frac{1}{C_1 C_2 C_4 R_2 R_4 + C_1 C_3 C_4 R_2 R_4 + C_1 C_4 C_5 R_2 R_4 + C_2 C_3 C_4 R_2 R_4}}$ $\frac{\sqrt{C_{1}C_{2}C_{4}N_{2}N_{4}+C_{1}C_{3}C_{4}N_{2}N_{4}+C_{1}C_{3}C_{4}N_{2}N_{4}+C_{1}C_{3}C_{4}N_{2}N_{4}+C_{1}C_{3}C_{4}N_{2}N_{4}+C_{1}C_{3}C_{4}N_{2}N_{4}}{C_{1}C_{2}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}}} + C_{1}C_{3}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}} + C_{1}C_{3}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}} - C_{1}\sqrt{C_{4}C_{5}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}} + C_{2}C_{3}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}} + C_{2}C_{3}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}}} + C_{2}C_{3}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}}}} + C_{2}C_{3}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}}} + C_{2}C_{3}\sqrt{C_{4}\sqrt{R_{2}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}}} + C_{2}C_{3}\sqrt{C_{4}\sqrt{R_{4}\sqrt{C_{1}+C_{3}}}}} + C_$ K-LP: 0 $\begin{array}{l} \text{K-HP: } \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} \\ \text{K-BP: } \frac{C_3C_5R_2R_6}{C_1C_2R_2+C_1C_3R_2+C_1C_4R_2+C_1C_4R_4-C_1C_5R_2+C_2C_3R_2+C_3C_4R_4} \end{array}$

Qz: None Wz: None

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8.242 X-INVALID-NUMER-242 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
```

 $C_3C_4C_5R_2R_4s + C_3C_5R_2$ $H(s) = \frac{C_3C_4C_5R_2R_4S + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_4C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_2C_3C_4C_6R_2R_4 + S(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_2C_3C_6R_2 + C_3C_4C_6R_4\right)}$

Parameters:

 $\frac{C_{1}C_{2}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{C_{4}}$

 $\text{bandwidth: } \frac{\sqrt{C_1 + C_3}(C_1C_2R_2 + C_1C_3R_2 + C_1C_4R_4 - C_1C_5R_2 + C_2C_3R_2 + C_3C_4R_4)\sqrt{\frac{1}{C_1C_2C_4R_2R_4 + C_1C_3C_4R_2R_4 - C_1C_4C_5R_2R_4 + C_2C_3C_4R_2R_4}}{C_1C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{R_4}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_4}\sqrt{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2\sqrt{C_1C_2 + C$

K-LP: $\frac{C_3C_5R_2}{C_1C_6+C_3C_6}$ K-HP: 0

K-BP: $\frac{C_3C_4C_5R_2R_4}{C_1C_2C_6R_2+C_1C_3C_6R_2+C_1C_4C_6R_2+C_1C_4C_6R_4-C_1C_5C_6R_2+C_2C_3C_6R_2+C_3C_4C_6R_4}$ Qz: None

Wz: None

8.243 X-INVALID-NUMER-243 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_2}+C_1R_4+C_3R_4}{\sqrt{C_1C_2}+C_1C_3}+C_1C_4+C_2C_3}{\sqrt{C_1R_2}+C_1R_4+C_1C_3R_2R_4+C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3R_2R_4+C_3C_5R_4R_5}}$ wo: $\frac{\sqrt{C_1R_2}+C_1R_4+C_3R_4}{\sqrt{C_1C_2C_5R_2R_4R_5}+C_1C_3C_5R_2R_4+C_1C_4C_5R_2R_4+R_5+C_2C_3C_5R_2R_4R_5}}$ bandwidth: $\frac{C_1C_2R_2R_4+C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3C_5R_2R_4+C_1C_5R_4+C_1C$

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4+C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_2C_3R_2R_4+C_3C_5R_4R_5}{\text{Qz: None}}$ Qz: None

Wz: None

8.244 X-INVALID-NUMER-244 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6$

 $\overline{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_5C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_1C_3R_2R_4R_5 + s^2\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_4R_5 +$

Parameters:

 $O: \frac{C_1C_2\sqrt{C_6}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{C_1R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{C_1R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{C_1R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{C_1R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{C_1R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{C_1R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{C_1R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{C_1R_2R_5}{C_1C_2$

 $\overline{C_{1}C_{2}\sqrt{C_{6}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{1}R_{4}R_{5}}{C_{1}C_{4}+C_{1}C_{5$ K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$ K-HP: 0

 $\text{K-BP: } \frac{C_3C_5R_2R_4R_5R_6}{C_1C_2R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_4R_5R_6 + C_2C_3R_2R_4R_5 + C_3C_6R_4R_5R_6}$

Qz: None Wz: None

8.245 X-INVALID-NUMER-245
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_2R_3R_4 - C_1C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4$$

 $Q\colon \frac{\sqrt{C_{1}}C_{2}\sqrt{C_{3}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}{C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{2}R_{4}+C_{1}C_{3}R_{2}R_{4}+C_{1}C_{5}R_{2}R_{4}+C_{2}C_{3}R_{2}R_{4}}\\ \text{wo: } \sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}C_{3}R_{2}R_{3}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}}}\\ \text{bandwidth: } \frac{\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}(C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{4}+C_{1}C_{3}R_{3}R_{4}-C_{1}C_{5}R_{2}R_{4}+C_{2}C_{3}R_{2}R_{4})\sqrt{\frac{1}{C_{1}C_{2}C_{3}R_{2}R_{3}R_{4}-C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}}}\\ \text{bandwidth: } \frac{\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}(C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{4}+C_{1}C_{3}R_{3}R_{4}-C_{1}C_{5}R_{2}R_{4}+C_{2}C_{3}R_{2}R_{4}+C_{2}C_{3}R_{2}R_{4})\sqrt{\frac{1}{C_{1}C_{2}C_{3}R_{2}R_{3}R_{3}R_{4}-C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}}}}\\ \text{bandwidth: } \frac{\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}(C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}}}{\sqrt{C_{1}C_{2}-C_{5}}}-\sqrt{C_{1}}\sqrt{C_{3}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}}\sqrt{\frac{1}{C_{2}-C_{5}}}}\\ \text{K-LP: } \frac{C_{3}C_{5}R_{2}R_{4}}{C_{1}C_{6}R_{4}+C_{3}C_{6}R_{4}}}{C_{1}C_{6}R_{4}+C_{3}C_{6}R_{4}}\\ \text{K-BP: } \frac{C_{3}C_{5}R_{2}R_{4}R_{6}}{C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{4}+C_{1}C_{5}R_{2}R_{4}+C_{2}C_{3}R_{2}R_{4}}}\\ \text{Qz: None}\\ \text{Wz: None}$

8.246 X-INVALID-NUMER-246 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_3R_2R_3R_4R_5 - C_1C_3C_5R_2R_3R_4R_5\right) + s\left(C_1C_2R_2R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_$

Parameters:

$$Q \colon \frac{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_2-C_5}+\frac{C_1R_4R_5}{C_2-C_5}+\frac{C_3R_4R_5}{C_2-C_5}-\sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_2-C_5}+\frac{C_1R_4R_5}{C_2-C_5}+\frac{C_3R_4R_5}{C_2-C_5}}}{C_1C_2R_2R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5-C_1C_5R_2R_4R_5+C_2C_3R_2R_4R_5} \\ \text{wo: } \sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_2C_3R_2R_3R_4R_5-C_1C_3C_5R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_2C_3R_2R_3R_4R_5-C_1C_3C_5R_2R_3R_4R_5}} (C_1C_2R_2R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_5R_$$

8.247 X-INVALID-NUMER-247 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}$

Parameters:

$$Q \colon \frac{\sqrt{C_1}C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}}{C_1C_2R_2+C_1C_3R_2+C_1C_3R_3+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2} \\ \text{wo: } \sqrt{C_1+C_3}\sqrt{\frac{1}{C_1C_2C_3R_2R_3+C_1C_3C_4R_2R_3-C_1C_3C_5R_2R_3}} \\ \text{bandwidth: } \frac{\sqrt{C_1+C_3}(C_1C_2R_2+C_1C_3R_2+C_1C_3R_3+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2)\sqrt{\frac{1}{C_1C_2C_3R_2R_3+C_1C_3C_4R_2R_3-C_1C_3C_5R_2R_3}}}{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} \\ \text{K-LP: } \frac{C_3C_5R_2}{C_1C_6+C_3C_6} \\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_3C_5R_2R_6}{C_1C_2R_2+C_1C_3R_2+C_1C_5R_2+C_2C_3R_2} \\ \text{Qz: None} \\ \\ \text{None} \\ \\ \text{} \\ \\ \text{} \\ \\ \text{} \\ \text{} \\ \text{} \\ \text{} \\ \text{} \\ \\ \text{} \\ \\ \text{} \\ \text{} \\ \\ \text{} \\ \text{} \\ \text{} \\ \\ \text{} \\ \\ \text{} \\ \text{} \\ \\ \text{} \\ \text{} \\ \\ \text{} \\ \text{} \\ \text{} \\ \text{} \\ \\ \text{} \\ \\ \text{} \\ \text{} \\ \\ \text{} \\ \text{} \\ \text{} \\ \text{} \\ \text{} \\ \text{} \\ \\ \text{} \\ \\ \text{} \\ \text{} \\ \text{} \\ \\ \text{$$

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8.248 X-INVALID-NUMER-248 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
```

 $H(s) = \frac{C_3C_5R_2R_5R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_2R_3R_5 + C_1C_3C_4R_2R_3R_5 - C_1C_3C_5R_2R_3R_5\right) + s\left(C_1C_2R_2R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 + C_2C_3R_2R_5\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_2R_3R_5 + C_1C_3C_4R_2R_3R_5 - C_1C_3C_5R_2R_3R_5\right) + s\left(C_1C_2R_2R_3R_5 + C_1C_3R_2R_3 + C_1C_3R_3R_5 + C_1C_4R_2R_5 - C_1C_3R_2R_5\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_2+C_4-C_5}} + \frac{C_1R_5}{C_2+C_4-C_5} + \frac{C_2R_5}{C_2+C_4-C_5}}{C_1C_2R_2R_5-C_1C_3R_2R_3+C_1C_3R_2R_5+C_1C_3R_2R_5+C_1C_3R_2R_5-C_1C_5R_2R_5-C_1C_5R_2R_5+C_2C_3R_2R_5} } {C_1C_2R_2R_5-C_1C_3R_2R_3+C_1C_3R_2R_5+C_1C_3R_2R_$

8.249 X-INVALID-NUMER-249 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 - C_1C_3C_5C_6R_2R_3R_4) + s\left(C_1C_2C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 +$

Parameters:

 $Q: \frac{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2+C_4-C_5}}}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{C_1R_2+C_1C_3}R_4} - \sqrt{C_1}C_5\sqrt{R_2}C_5\sqrt{R_2}C_5\sqrt{R_2}C_5\sqrt{R_2}C_5\sqrt{R_2}$

8.250 X-INVALID-NUMER-250 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_3R_2R_3R_4R_5 + C_1C_3C_4R_2R_3R_4R_5 - C_1C_3C_5R_2R_3R_4R_5 + C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_4 + C_1C_3R_2R_4R_5 + C$

Parameters:

 $Q: \frac{\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_2+C_4-C_5} + \frac{C_1R_2R_5}{C_2+C_4-C_5} + \frac{C_1R_4R_5}{C_2+C_4-C_5} + \frac{C_3R_4R_5}{C_2+C_4-C_5} + \frac{C_1R_2R_5}{C_2+C_4-C_5} + \frac{C_1R_2R$

8.251 X-INVALID-NUMER-251
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3R_2R_3R_4R_6s + R_2R_4R_6}{R_4R_5 + s^2\left(C_1C_2R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5 + C_3R_3R_4R_5\right)}$$

Q: $-\frac{\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{C_1C_2+C_1C_3+C_2C_3}}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5-C_3R_3R_4R_5}$

K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0

 $\text{K-BP:} - \frac{C_3 R_2 R_3 R_4 R_6}{C_1 R_2 R_3 R_4 - C_1 R_2 R_3 R_5 - C_1 R_2 R_4 R_5 - C_1 R_3 R_4 R_5 - C_2 R_2 R_4 R_5 - C_3 R_3 R_4 R_5}$

Qz: None Wz: None

8.252 X-INVALID-NUMER-252 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & R_4, & \frac{1}{C_5 s}, & R_6 \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_2R_2R_3R_4 + C_1C_3R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_2C_3R_2R_3R_4\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4\right)}$$

Parameters:

 $\text{Q:} \begin{array}{c} \frac{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4} \\ - C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{3}+$

wo: $\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}}$

 $\text{bandwidth: } \frac{(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 - C_1C_5R_2R_3 + C_2C_3R_2R_3}}{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_2$

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: $\frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4+C_3R_3R_4}$ Qz: None

Wz: None

8.253 X-INVALID-NUMER-253 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4 + C_3C_6R_3R_4\right)}$$

Parameters:

$$Q: \underbrace{\frac{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} \\ - C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4+C_3R_3R_4$$

Wo: $\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}}$

 $\frac{(C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}+C_{2}C_{3}R_{2}R_{3}}}{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_3C_5R_2R_3R_4}{C_1C_6R_2R_3+C_1C_6R_2R_4+C_1C_6R_3R_4+C_2C_6R_2R_4+C_3C_6R_3R_4}$ Qz: None

Wz: None

8.254 X-INVALID-NUMER-254 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{1}{C_4 s}, & R_5, & R_6 \end{pmatrix}$

$$H(s) = \frac{C_3R_2R_3R_6s + R_2R_6}{R_5 + s^2\left(C_1C_2R_2R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 + C_2C_3R_2R_3R_5\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5 + C_3R_3R_5\right)}$$

```
 \text{wo: } \frac{1}{\sqrt{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_4R_2R_3 + C_2C_3R_2R_3}} \\ \text{bandwidth: } -\frac{C_1R_2R_3 + C_1R_2R_5 - C_1R_3R_5 - C_2R_2R_5 - C_3R_3R_5}{\sqrt{R_2}\sqrt{R_3}R_5\sqrt{C_1C_2 + C_1C_3 + C_1C_4 + C_2C_3}\sqrt{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_3R_3R_3 + C_1C_3
                K-HP: 0
               K-BP: -\frac{C_3R_2R_3R_6}{C_1R_2R_3 - C_1R_2R_5 - C_1R_3R_5 - C_2R_2R_5 - C_3R_3R_5}
                  Qz: None
                 Wz: None
8.255 X-INVALID-NUMER-255 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                        H(s) = \frac{C_3C_5R_2R_3R_6s^2 + C_5R_2R_6s}{s^2\left(C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_2C_3R_2R_3\right) + s\left(C_1R_2 + C_1R_3 + C_2R_2 + C_3R_3\right) + 1}
      Parameters:
                 Q: \underbrace{\frac{C_1C_2\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{C_1R_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}_{C_1R_2+C_1R_3+C_1C_4-C_1C_5+C_2C_3} + C_1C_3\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_1C_3\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_1C_3+C_1C_5+C_1C_5+C_2C_3}}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1
                 WO: \sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}}
                \text{bandwidth: } \frac{(C_1R_2 + C_1R_3 + C_2R_2 + C_3R_3)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_5R_2R_3 + C_2C_3R_2R_3}}{C_1C_2\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_5 + C_2C_3}} + C_1C_3\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + C_1C_3\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}}} + C_2C_3\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_4 + C_1C_5 + C_2C_3}}}}}}}}}}
                 K-LP: 0
              \begin{array}{l} \text{K-HP: } \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP: } \frac{C_5R_2R_6}{C_1R_2+C_1R_3+C_2R_2+C_3R_3} \\ \text{Qz: None} \end{array} 
                 Wz: None
8.256 X-INVALID-NUMER-256 Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}
                                                                                                                                                                                                                                                                                        H(s) = \frac{C_3C_5R_2R_3s + C_5R_2}{C_6 + s^2\left(C_1C_2C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3 + C_2C_3C_6R_2R_3\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2 + C_3C_6R_3\right)}
      Parameters:
                              \underbrace{\frac{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+C_{1}C_{3}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}
                wo: \sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}}
                                                                                                                                                                                                                                                                                                                                                                                                                  (C_1R_2 + C_1R_3 + C_2R_2 + C_3R_3)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_2C_3R_2R_3}}
               K-LP: \frac{C_5 R_2}{C_6}
                K-HP: 0
              K-BP: \frac{C_3C_5R_2R_3}{C_1C_6R_2+C_1C_6R_3+C_2C_6R_2+C_3C_6R_3} Qz: None
                 Wz: None
8.257 X-INVALID-NUMER-257 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
                                                                                                                                                                                      H(s) = \frac{C_3R_2R_3R_4R_6s + R_2R_4R_6}{R_4R_5 + s^2\left(C_1C_2R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5 + C_3R_3R_4R_5\right)}
      Parameters:
                K-LP: \frac{R_2R_6}{R_5}
                K-HP: 0
               K-BP: -\frac{C_3R_2R_3R_4R_6}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5-C_3R_3R_4R_5}
```

Qz: None Wz: None

8.258 X-INVALID-NUMER-258
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & R_6 \end{pmatrix}$$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_2R_2R_3R_4 + C_1C_3R_2R_3R_4 + C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_2C_3R_2R_3R_4\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4\right)}$$

Parameters:

 $+ \frac{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt$

 $/\frac{1}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{3}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}+C_{2}C_{3}R_{2}R_{3}}$

 $(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_2C_3R_2R_3}}$

 $\frac{1}{C_{1}C_{2}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{5}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C$

K-LP: 0

 $\begin{array}{l} \text{K-HP: } \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP: } \frac{C_5R_2R_4R_6}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4+C_3R_3R_4} \\ \text{Qz: None} \end{array}$

Wz: None

8.259 X-INVALID-NUMER-259 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4 + C_3C_6R_3R_4\right)}$

Parameters:

 $Q: \underbrace{\frac{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4}}} + C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4}}} + C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4}}} + C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4}}} + C_{2}C_{3}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_$

Wo: $\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}}$

 $\frac{(C_1R_2R_3 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_2C_3R_2R_3}}{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_3$

K-LP: $\frac{C_5 R_2}{C_6}$

K-HP: 0

K-BP: $\frac{C_3C_5R_2R_3R_4}{C_1C_6R_2R_3+C_1C_6R_2R_4+C_1C_6R_3R_4+C_2C_6R_2R_4+C_3C_6R_3R_4}$ Qz: None

Wz: None

8.260 X-INVALID-NUMER-260 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1 R_1 R_2 R_4 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^2 \left(C_1 C_6 R_1 R_4 R_5 R_6 - C_1 C_6 R_2 R_3 R_4 R_6 + C_1 C_6 R_2 R_3 R_5 R_6 + C_1 C_6 R_2 R_4 R_5 R_6 + C_1 C_6 R_3 R_4 R_5 R_6\right) + s \left(C_1 R_1 R_4 R_5 - C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 + C_6 R_4 R_5 R_6\right)}$

Parameters:

 $Q: \frac{\sqrt{C_{1}}\sqrt{C_{6}}R_{1}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} - \sqrt{C_{1}}\sqrt{C_{6}}R_{2}R_{3}R_{4}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{2}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{\frac{3}{2}}R_{5}^{\frac{3}{2}}\sqrt{R_{6}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{6}}R_{3}R_{4}^{$

wo: $\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{1}{C_1C_6R_1R_4R_5R_6-C_1C_6R_2R_3R_4R_6+C_1C_6R_2R_3R_5R_6+C_1C_6R_2R_4R_5R_6+C_1C_6R_3R_4R_5R_6}}$

 $\sqrt{R_4}\sqrt{R_5}(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_6R_4R_5R_6)\sqrt{\frac{1}{C_1C_6R_1R_4R_5R_6 - C_1C_6R_2R_3R_4R_6 + C_1C_6R_2R_3R_5R_6 + C_1C_6R_2R_4R_5R_6 + C_1C_6R_3R_4R_5R_6}}$

 $\frac{1}{\sqrt{C_1}\sqrt{C_6}R_1R_4^{\frac{3}{2}}R_5^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_6}R_2R_3R_4^{\frac{3}{2}}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_2R_3\sqrt{R_4}R_5^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_2R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_2R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_2R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_2R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_2R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_3R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_6}R_3R_3R_4^{\frac{3}{2}}\sqrt{R_6}\sqrt{\frac{1}{R_1R_4R_5$

K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0

K-BP: $\frac{C_1R_1R_2R_4R_6}{C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_6R_4R_5R_6}$

Qz: None Wz: None

8.261 X-INVALID-NUMER-261 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{-C_1C_5R_2R_3R_4s^2 + R_4 + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4\right)}$$

Parameters:

Q: $-\frac{i\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}R_4}{\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}$

wo: $\frac{\sqrt{C_1\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}}{\sqrt{C_1\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}}$ bandwidth: $-\frac{\sqrt{C_1R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}}{\sqrt{C_1C_5R_2R_3R_4}}$

K-LP: 0

K-HP: $-\frac{R_1R_6}{R_2}$

K-BP: $\frac{C_5R_2R_4R_6}{C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4}$ Qz: None

Wz: None

8.262 X-INVALID-NUMER-262 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 C_5 R_1 R_2 R_4 s + C_5 R_2 R_4}{-C_1 C_5 C_6 R_2 R_3 R_4 s^2 + C_6 R_4 + s \left(C_1 C_6 R_1 R_4 + C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_3 R_4\right)}$$

Parameters:

Q: $-\frac{i\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}R_4}{\sqrt{C_1}R_1R_4 + \sqrt{C_1}R_2R_3 + \sqrt{C_1}R_2R_4 + \sqrt{C_1}R_3R_4}$

wo: $\frac{i}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}{\sqrt{C_1}C_5R_2R_3R_4}$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$

Qz: None Wz: None

8.263 X-INVALID-NUMER-263 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_5R_1R_4R_5 - C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_5 + C_1C_5R_2R_4R_5 + C_1C_5R_3R_4R_5\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_5R_4R_5\right)}$$

Parameters:

 $Q: \frac{\sqrt{C_1}\sqrt{C_5}R_1R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_5}R_2R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_2R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_1}\sqrt{C_5}R_2R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}}}} + \sqrt{C_1}\sqrt{C_5}R_3R_4^$

wo: $\sqrt{R_4}\sqrt{\frac{1}{C_1C_5R_1R_4R_5-C_1C_5R_2R_3R_4+C_1C_5R_2R_3R_5+C_1C_5R_2R_4R_5+C_1C_5R_3R_4R_5}}$

 $\begin{array}{l} \text{K-HP:} \ \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP:} \ \frac{C_5R_2R_4R_6}{C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_5R_4R_5} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: None

8.264 X-INVALID-NUMER-264 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_5C_6R_1R_4R_5 - C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_5 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_3R_4R_5\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_5C_6R_4R_5\right)}$$

Parameters:

 $Q: \frac{\sqrt{C_{1}}\sqrt{C_{5}}R_{1}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} - \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{2}R_{3}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{5}R_{3}R_{4}R_{5}}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{5}R_{3}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}\sqrt{\frac{1}{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{5}R_{4}R_{5}}} + \sqrt{C_{1}}\sqrt{C_{5}}R_{3}R_{4}^{\frac{3}{2}}R_{5}}$

wo:
$$\sqrt{R_4}\sqrt{\frac{1}{C_1C_5R_1R_4R_5-C_1C_5R_2R_3R_4+C_1C_5R_2R_3R_5+C_1C_5R_2R_4R_5+C_1C_5R_3R_4R_5}}$$

 $\sqrt{R_4}(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_5R_4R_5)\sqrt{\frac{1}{C_1C_5R_1R_4R_5 - C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_5 + C_1C_5R_2R_4R_5 + C_1C_5R_3R_4R_5}{\sigma}}$ $\frac{1}{\sqrt{C_1}\sqrt{C_5}R_1R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_2R_3R_4^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_2R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_2R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_3R_4R_5}}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_3R_4R_5}}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}}}}}+\sqrt{C_1}\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5}}}}}$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_1C_5R_1R_2R_4}{C_1C_6R_1R_4+C_1C_6R_2R_3+C_1C_6R_2R_4+C_1C_6R_3R_4+C_5C_6R_4R_5}$ Qz: None

Wz: None

8.265 X-INVALID-NUMER-265 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1 R_1 R_2 R_6 s + R_2 R_6}{C_1 C_4 R_2 R_3 R_5 s^2 + R_5 + s \left(C_1 R_1 R_5 - C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 \right)}$$

Parameters:

Q: $\frac{\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}R_5}{\sqrt{C_1}R_1R_5 - \sqrt{C_1}R_2R_3 + \sqrt{C_1}R_2R_5 + \sqrt{C_1}R_3R_5}$

wo: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $\frac{\sqrt{C_1}R_1R_5 - \sqrt{C_1}R_2R_3 + \sqrt{C_1}R_2R_5 + \sqrt{C_1}R_3R_5}{\sqrt{C_1}C_4R_2R_3R_5}$

K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0

K-BP: $\frac{R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5}$

Qz: None Wz: None

8.266 X-INVALID-NUMER-266 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1 C_5 R_1 R_2 R_6 s^2 + C_5 R_2 R_6 s}{s^2 (C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3) + s (C_1 R_1 + C_1 R_2 + C_1 R_3) + 1}$$

Parameters:

Q:
$$\frac{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_1+\sqrt{C_1}R_2+\sqrt{C_1}R_3}$$

wo: $\sqrt{\frac{1}{C_1C_4R_2R_3 - C_1C_5R_2R_3}}$ bandwidth: $\frac{\left(\sqrt{C_1}R_1 + \sqrt{C_1}R_2 + \sqrt{C_1}R_3\right)\sqrt{\frac{1}{C_1C_4R_2R_3 - C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4 - C_5}} - C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4 - C_5}}}$

K-LP: 0 K-HP: $\frac{C_5R_1R_6}{C_4R_3-C_5R_3}$ K-BP: $\frac{C_5R_2R_6}{C_1R_1+C_1R_2+C_1R_3}$ Qz: None

Wz: None

8.267 X-INVALID-NUMER-267 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2s + C_5R_2}{C_6 + s^2\left(C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3\right)}$$

Parameters:

Q:
$$\frac{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_1+\sqrt{C_1}R_2+\sqrt{C_1}R_3}$$
wo:
$$\sqrt{\frac{1}{C_1C_4R_2}\frac{1}{R_3-C_1C_5R_2R_3}}$$
bandwidth:
$$\frac{\left(\sqrt{C_1}R_1+\sqrt{C_1}R_2+\sqrt{C_1}R_3\right)\sqrt{\frac{1}{C_1C_4R_2}\frac{1}{R_3}-C_1C_5R_2R_3}}{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}$$
K-LP: $\frac{C_5R_2}{C_5R_2}$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3}$

Qz: None Wz: None

8.268 X-INVALID-NUMER-268 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_1R_1R_2R_4R_6s + R_2R_4R_6}{C_1C_4R_2R_3R_4R_5s^2 + R_4R_5 + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5\right)}$$

Parameters:

8.269 X-INVALID-NUMER-269 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4\right)}$$

Parameters:

Wz: None

 $\begin{array}{l} Q\colon \frac{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}\\ \text{wo: } \sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}\\ \text{bandwidth: } \frac{\left(\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4\right)\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ \text{K-BP: } \frac{C_5R_2R_4R_6}{C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$

8.270 X-INVALID-NUMER-270 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4\right)}$$

Parameters:

Wz: None

 $\begin{array}{l} Q\colon \frac{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}\\ \text{wo: } \sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}\\ \text{bandwidth: } \frac{\left(\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4\right)\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP: } \frac{C_5R_2}{C_6}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}\\ \text{Qz: None} \end{array}$

8.271 X-INVALID-NUMER-271 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_6R_1R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_4R_5R_6 + C_3C_6R_4R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_2}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_3R_1R_4R_5+C_1C_3R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6}$ wo: $\frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1C_3C_6R_1R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6}}$ bandwidth: $\frac{C_1C_3R_1R_4R_5R_6+C_1C_3C_6R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_2}\sqrt{C_1C_3C_6R_1R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6}}$ bandwidth: $\frac{C_3R_2R_4R_6}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{R_1+R_2}\sqrt{C_1C_3C_6R_1R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6}}{\sqrt{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}}$ K-HP: 0

 $\text{K-BP: } \frac{C_1C_3R_1R_2R_4R_6}{C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_4R_5R_6 + C_3C_6R_4R_5R_6}$

Qz: None Wz: None

8.272 X-INVALID-NUMER-272 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_6R_1R_4R_6 + C_1C_3C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_3C_6R_4R_6\right)}$$

Parameters:

 $\frac{\sqrt{C_{1}}C_{3}\sqrt{C_{6}}R_{1}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}}+\sqrt{C_{1}}C_{3}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}}-\frac{1}{C_{1}C_{3}R_{1}+C_{3}R_{2}+C_{1}C_{5}R_{2}+C_{1}$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_3C_6R_1R_4R_6 + C_1C_3C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6}}$

 $\text{bandwidth: } \frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}(C_1C_3R_1R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_6R_4R_6 + C_3C_6R_4R_6)\sqrt{\frac{1}{C_1C_3C_6R_1R_4R_6 + C_1C_5C_6R_2R_4R_6}}}{\sqrt{C_1C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} + \sqrt{C_1C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_4 - C_1C_5\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_4 + C_3C_4}\sqrt{C_3R_4 + C_3C_6}}}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_4 + C_3C_6}\sqrt{C_1R_4 + C_3C_6}}}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{C_1R_4 + C_3C_6}\sqrt{C_1R_4 + C$

K-LP: 0

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}$

K-BP: $\frac{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}{C_1C_3R_1R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_6R_2R_6+C_1C_6R_4R_6+C_3C_6R_4R_6}{Qz. \text{ None}}$

Wz: None

8.273 X-INVALID-NUMER-273 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_5R_1R_4R_5 + C_1C_3C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_3C_5R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_3R_1R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}$ wo: $\frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4R_5}}$ bandwidth: $\frac{C_1C_3R_1R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_1C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4R_5}}$ V. I.P. 0

K-LP: 0

K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_1R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{\text{Qz: None}}$

Wz: None

8.274 X-INVALID-NUMER-274 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_2R_4R_5\right) + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_3R_1R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}$

wo: $\frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}}{\sqrt{C_1C_3C_5R_1R_4R_5 + C_1C_3C_5R_2R_4R_5}}$ bandwidth: $\frac{C_1C_3R_1R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_3C_5R_4R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1 + R_2}\sqrt{C_1C_3C_5R_1R_4R_5 + C_1C_3C_5R_2R_4R_5}}$ K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4}$ K-PP: 0

K-BP: $\frac{C_1C_3C_5R_1R_2R_4}{C_1C_3C_6R_1R_4+C_1C_3C_6R_2R_4-C_1C_5C_6R_2R_4+C_1C_5C_6R_2R_5+C_1C_5C_6R_4R_5+C_3C_5C_6R_4R_5}$ Qz: None

Wz: None

8.275 X-INVALID-NUMER-275 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_3R_1R_2R_6s + C_3R_2R_6$ $H(s) = \frac{-1.53R_1R_2R_0s + 5.3R_2R_0}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_6R_1R_5R_6 + C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_6R_2R_6 + C_1C_6R_5R_6 + C_3C_6R_5R_6\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{-C_1R_2+C_1R_5+C_3R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_1C_3R_1R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6}}$ wo: $\frac{\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1C_3C_6R_1R_5R_6+C_1C_3C_6R_2R_5R_6}+C_1C_4C_6R_2R_5R_6}}$ bandwidth: $\frac{C_1C_3R_1R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_1C_3C_6R_1R_5R_6+C_1C_3C_6R_2R_5R_6}+C_1C_4C_6R_2R_5R_6}}$ K-LP: $-\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}$ K-HP: 0

K-BP: $\frac{C_1C_3R_1R_2R_6}{C_1C_3R_1R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6}$ Qz: None

Wz: None

8.276 X-INVALID-NUMER-276 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_3C_6R_1R_6 + C_1C_3C_6R_2R_6 + C_1C_4C_6R_2R_6 - C_1C_5C_6R_2R_6\right) + s\left(C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_2 - C_1C_5R_2 + C_1C_6R_6 + C_3C_6R_6\right)}$

Parameters:

 $Q: \frac{\sqrt{C_{1}}C_{3}\sqrt{C_{6}}R_{1}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}+\sqrt{C_{1}}C_{3}\sqrt{C_{6}}R_{2}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}+\sqrt{C_{1}}C_{4}\sqrt{C_{6}}R_{2}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{6}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{2}R_{2}+C_{$

wo: $\sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_3 C_6 R_1 R_6 + C_1 C_3 C_6 R_2 R_6 + C_1 C_4 C_6 R_2 R_6 - C_1 C_5 C_6 R_2 R_6}}$

 $\text{bandwidth: } \frac{\sqrt{C_1 + C_3} (C_1 C_3 R_1 + C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_1 C_6 R_6 + C_3 C_6 R_6) \sqrt{\frac{1}{C_1 C_3 C_6 R_1 R_6 + C_1 C_3 C_6 R_2 R_6 + C_1 C_4 C_6 R_2 R_6 - C_1 C_5 C_6 R_2 R_6}}{\sqrt{C_1 C_3} \sqrt{C_6 R_1 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + \sqrt{C_1 C_3} \sqrt{C_6 R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + \sqrt{C_1 C_4 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{R_6} \sqrt{C_1 + C_3} \sqrt{C_1 C_3 R_4 + C_3 R_4 + C_3 R_4 + C_4 R_2 - C_5 R_2}}} - \sqrt{C_1 C_5 \sqrt{C_6} R_2 \sqrt{C_1 C_3 R_4 + C_3 R_4 + C_4 R_4 +$

K-LP: 0

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_3C_5R_2R_6}{C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_6R_6+C_3C_6R_6}$ Qz: None

Wz: None

8.277 X-INVALID-NUMER-277 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_3C_5R_1R_5 + C_1C_3C_5R_2R_5 + C_1C_4C_5R_2R_5\right) + s\left(C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_2 - C_1C_5R_2 + C_1C_5R_5 + C_3C_5R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_5}\sqrt{C_1+C_3}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_1C_3R_1+C_1C_3R_2+C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}$ wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1C_3C_5R_1R_5+C_1C_3C_5R_2R_5+C_1C_4C_5R_2R_5}}$ bandwidth: $\frac{C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_1C_3C_5R_1R_5+C_1C_4C_5R_2R_5}}$ KID: 0

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ K-BP: $\frac{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}{C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}$ Qz: None

8.278 X-INVALID-NUMER-278 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_5C_6R_1R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5\right) + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_1C_5C_6R_5 + C_3C_5C_6R_5\right)}$$

Parameters:

wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1C_3C_5}R_1R_5+C_1C_3C_5R_2R_5} + C_1C_5R_5 + C_3C_5\overline{R_5}}{\sqrt{C_1C_3C_5}R_1R_5+C_1C_3C_5R_2R_5+C_1C_4C_5R_2R_5}}$ bandwidth: $\frac{C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_1C_5R_5+C_3C_5R_5}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_1C_3C_5R_1R_5+C_1C_3C_5R_2R_5+C_1C_4C_5R_2R_5}}$ K-LP: $\frac{C_3C_5R_2}{C_1C_6+C_3C_6}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1R_2}{C_1C_3C_6R_1+C_1C_3C_6R_2+C_1C_4C_6R_2-C_1C_5C_6R_2+C_1C_5C_6R_5+C_3C_5C_6R_5}$ Qz: None

Wz: None

8.279 X-INVALID-NUMER-279 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6$ $H(s) = \frac{-1.53 - 1.22 - 1.33 - 1.23$

Parameters:

 $\begin{array}{l} \text{Q:} \ \, \frac{\sqrt{C_1}\sqrt{C_6}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_3R_1R_4R_5+C_1C_3R_2R_4R_5+C_1C_4R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_4R_5R_6} \\ \text{wo:} \ \, \frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1C_3C_6R_1R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6+C_1C_4R_2R_4R_5R_6}} \\ \text{bandwidth:} \ \, \frac{C_1C_3R_1R_4R_5+C_1C_3R_2R_4R_5+C_1C_4R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_2R_4R_5+C_1C_4R_2R_4R_5-C_1C_6R_2R_4R_6+C_1C_6R_2R_5R_6+C_1C_6R_4R_5R_6+C_3C_6R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6+C_1C_4C_6R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_3C_6R_2R_4R_5R_6+C_1C_4C_6R_2R_4R_5+C_1C_4R_4R_5+C_1C_4$

 $\text{K-BP: } \frac{C_1C_3R_1R_2R_4R_6}{C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_4R_5R_6 + C_3C_6R_4R_5R_6}$ Qz: None

Wz: None

8.280 X-INVALID-NUMER-280 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_6R_1R_4R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_3C_6R_4R_6\right)}$

Parameters:

 $\frac{\sqrt{C_{1}}C_{3}\sqrt{C_{6}}R_{1}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}+\sqrt{C_{1}}C_{3}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}+\sqrt{C_{1}}C_{4}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{3}R_{4}+C_{1}C_{5}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}-C_{1}C_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}-C_{1}C_{1}C_{2}\sqrt{C_{6}}R_{2}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{$

 $\frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_2}(C_1C_3R_1R_4 + C_1C_3R_2R_4 + C_1C_6R_2R_6 + C_1C_6R_4R_6 + C_3C_6R_4R_6)\sqrt{\frac{1}{C_1C_3C_6R_1R_4R_6 + C_1C_5C_6R_2R_4R_6}}}{\sqrt{C_1C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_5\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_4 + C_1C_3R_4 + C_1C_3R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_4 + C_1C_3R_4 + C_1C$

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_1R_4+C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_6R_2R_6+C_1C_6R_4R_6+C_3C_6R_4R_6}$ Qz: None

Wz: None

8.281 X-INVALID-NUMER-281 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_5R_1R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_3C_5R_4R_5\right)}$

Parameters:

```
K-BP: \frac{C_3 C_1 R_2 R_5 + C_4 R_2 R_5}{C_1 C_3 R_1 R_4 + C_1 C_3 R_2 R_4 + C_1 C_4 R_2 R_4 - C_1 C_5 R_2 R_4 + C_1 C_5 R_2 R_5 + C_1 C_5 R_4 R_5 + C_3 C_5 R_4 R_5}Qz: None
                  Wz: None
8.282 X-INVALID-NUMER-282 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4
                                                                                 H(s) = \frac{1}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_
       Parameters:
         Q: \frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_1C_3R_1R_4+C_1C_3R_2R_4+C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5} wo: \frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_4C_5R_2R_4R_5}} bandwidth: \frac{C_1C_3R_1R_4+C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{C_1C_5\sqrt{C_1}\sqrt{C_5}\sqrt{C_4}\sqrt{C_5}\sqrt{C_3}R_4+C_3C_3R_4+C_4R_2\sqrt{C_1}C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5+C_1C_3C_5R_2R_4R_5} K-LP: \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4} K-HP: 0
                K-BP: \frac{C_1C_3C_5R_1R_2R_4}{C_1C_3C_6R_1R_4+C_1C_3C_6R_2R_4+C_1C_4C_6R_2R_4-C_1C_5C_6R_2R_4+C_1C_5C_6R_2R_5+C_1C_5C_6R_4R_5+C_3C_5C_6R_4R_5} Qz: None
                 Wz: None
8.283 X-INVALID-NUMER-283 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6
H(s) = \frac{1}{-C_{1}R_{2}R_{4} + C_{1}R_{2}R_{5} + C_{1}R_{4}R_{5} + C_{3}R_{4}R_{5} + s^{2}\left(C_{1}C_{3}C_{6}R_{1}R_{4}R_{5}R_{6} - C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}R_{6} + C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}R_{6} + C_{1}C_{3}C_{6}R_{3}R_{4}R_{5} + c_{1}C_{3}R_{2}R_{3}R_{4} + C_{1}C_{3}R_{2}R_{3}R_{5} + C_{1}C_{3}R_{2}R_{3}R_{4} + C_{1}C_{3}R_{2}R_{3}R_{5} + C_{1}C_{3}R_{2}R_{5} + C_{1}C_{3}R_{2}R_{3}R_{5} + C_{1}C_{3}R_{2}R_{3}R_{5} + C_{1}C_{3}R_{2}R_{3}R_{5} + C_{1}C_{3}R_{2}R_{5} + C_{1}C_{3}R_{2}R_{5} + C_{1}C_{3}R_{2}R_{3}R_{5} + C_{1}C_{3}R_{2}R_{3}R_{5} + C_{1}C_{3}R_{2}R_{5} + C_{1}C_{3}R_{2}R_{5} + C_{1}C_{3}
      Parameters:
                  O: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_2R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{C_1R_4R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_4R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5} + \frac{C_1R_2R_4}{R_1R_4R_5-
                 Wo: \sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_6R_1R_4R_5R_6-C_1C_3C_6R_2R_3R_4R_6+C_1C_3C_6R_2R_3R_5R_6+C_1C_3C_6R_2R_4R_5R_6+C_1C_3C_6R_3R_4R_5R_6}}
                  \frac{1}{\sqrt{C_1\sqrt{C_3}\sqrt{C_6}R_1R_4R_5\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_6}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4+R_5}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5-R_2R_3R_4}}-\frac{C_1R_2R_5}{\sqrt{R_1R_4R_5
                K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}
                Qz: None
                 Wz: None
8.284 X-INVALID-NUMER-284 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
```

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{-C_1C_3C_5R_2R_3R_4s^2 + C_1R_2 + C_1R_4 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4\right)}$$

Wz: None

 $\begin{array}{l} \mathrm{Q:} - \frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}{\sqrt{C_1C_3}R_1R_4 + \sqrt{C_1C_3}R_2R_3 + \sqrt{C_1C_3}R_2R_4 + \sqrt{C_1}C_5R_2R_4} \\ \mathrm{wo:} \ \frac{\sqrt{-C_1R_2} - C_1R_4 - C_3R_4}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}} \\ \mathrm{bandwidth:} \ \frac{i\sqrt{-C_1R_2} - C_1R_4 - C_3R_4}{\sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_2R_3 + \sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_3R_4 - \sqrt{C_1}C_5R_2R_4}) \\ \mathrm{K-LP:} \ 0 \\ \mathrm{K-HP:} \ - \frac{R_1R_6}{R_3} \\ \mathrm{K-BP:} \ \frac{C_3C_5R_2R_4R_6}{C_1C_3R_1R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_4} \\ \mathrm{Qz:} \ \mathrm{None} \end{array}$

8.285 X-INVALID-NUMER-285
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{-C_1C_3C_5C_6R_2R_3R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_2R_4\right)}$$

Q: $-\frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_3R_1R_4+\sqrt{C_1C_3R_2}R_3+\sqrt{C_1C_3}R_2R_4+\sqrt{C_1C_3R_3R_4-\sqrt{C_1C_5}R_2R_4}}}$ wo: $\frac{\sqrt{-C_1R_2-C_1R_4-C_3R_4}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$

bandwidth: $\frac{i\sqrt{-C_1R_2-C_1R_4-C_3R_4}\left(\sqrt{C_1}C_3R_1R_4+\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4-\sqrt{C_1}C_5R_2R_4\right)}{2}$

 $\sqrt{C_1}C_3C_5R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4+C_3C_6R_2R_3+C_3C_6R_2R_4+C_3C_6R_3R_4-C_5C_6R_2R_4}$ Qz: None

Wz: None

8.286 X-INVALID-NUMER-286 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_5R_1R_4R_5 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_3C_5R_4R_5\right)}$

Parameters:

 $Q: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_1R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_3R_4R_5}}}}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+C_1C_3R_3R_4+C_1C_5R_2R_4+C_1C_5R_4R_5}}}}} + \sqrt{C_1}\sqrt{$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_3C_5R_1R_4R_5 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_3R_4R_5}}$

 $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} (C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_3C_5R_4R_5) \sqrt{\frac{1}{C_1C_3C_5R_1R_4R_5 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_5R_4R_5}{\frac{1}{C_1C_3C_5R_1R_4R_5 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_5R_4R_5}}$ $\frac{\sqrt{C_1 \sqrt{C_3} \sqrt{C_5} R_1 R_4 R_5 - C_1 R_3 + C_1 R_4 + C_3 R_4} \sqrt{\frac{1}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} - \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 \sqrt{C_1 R_2 + C_1 R_4 + C_3 R_4}} \sqrt{\frac{1}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_5 \sqrt{C_1 R_2 + C_1 R_4 + C_3 R_4}} \sqrt{\frac{1}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5}} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt{C_3} \sqrt{C_5} R_2 R_4 R_5 + R_3 R_4 R_5} + \sqrt{C_1} \sqrt{C_2} \sqrt$

K-LP: 0

Qz: None Wz: None

8.287 X-INVALID-NUMER-287 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4$

 $H(s) = \frac{c_1 c_3 c_5 R_1 R_2 R_4 c_5}{c_1 C_6 R_2 + C_1 C_6 R_4 + C_3 C_6 R_4 + s^2 \left(C_1 C_3 C_5 C_6 R_1 R_4 R_5 - C_1 C_3 C_5 C_6 R_2 R_3 R_4 + C_1 C_3 C_5 C_6 R_2 R_4 R_5 + C_1 C_3 C_5 C_6 R_2 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 + C_1 C_3 C_6 R_4 + C_1 C_5 C_6 R_$

Parameters:

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_3C_5R_1R_4R_5 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_3R_4R_5}}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_1C_3C_5R_1R_2R_4}{C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5} \\ \text{Qz: None} \end{array}$

Wz: None

8.288 X-INVALID-NUMER-288 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_2R_6s + C_3R_2R_6}{C_1C_3C_4R_2R_3R_5s^2 - C_1R_2 + C_1R_5 + C_3R_5 + s\left(C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5\right)}$

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Q: \frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{\sqrt{C_1}C_3R_1R_5-\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_5+\sqrt{C_1}C_3R_3R_5+\sqrt{C_1}C_4R_2R_5}} wo: \frac{\sqrt{-C_1}R_2+C_1R_5+C_3R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}} bandwidth: \frac{\sqrt{C_1}C_3R_1R_5-\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_5+\sqrt{C_1}C_3R_3R_5+\sqrt{C_1}C_4R_2R_5}}{\sqrt{C_1}C_3C_4R_2R_3R_5}}
              K-LP: -\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}
K-HP: 0
             K-BP: \frac{C_3R_1R_2R_6}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5} Qz: None
               Wz: None
8.289 X-INVALID-NUMER-289 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                               H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_3C_4R_2R_3 - C_1C_3C_5R_2R_3\right) + s\left(C_1C_3R_1 + C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 - C_1C_5R_2\right)}
      Parameters:
               Q: \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_{1}+\sqrt{C_1}C_3R_2+\sqrt{C_1}C_3R_3+\sqrt{C_1}C_4R_2-\sqrt{C_1}C_5R_2}
            wo: \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}}
bandwidth: \frac{\sqrt{C_1 + C_3} \left(\sqrt{C_1} C_3 R_1 + \sqrt{C_1} C_3 R_2 + \sqrt{C_1} C_3 R_3 + \sqrt{C_1} C_4 R_2 - \sqrt{C_1} C_5 R_2\right) \sqrt{\frac{1}{C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}}}{\sqrt{C_3} C_4 \sqrt{R_2} \sqrt{R_3} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_3} C_5 \sqrt{R_2} \sqrt{R_3} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_4 - C_5}}}
               K-LP: 0
              K-HP: \frac{C_5 R_1 R_6}{C_4 R_3 - C_5 R_3}
              \begin{array}{l} \text{K-BP:} \ \frac{C_3 C_5 R_2 R_6}{C_1 C_3 R_1 + C_1 C_3 R_2 + C_1 C_3 R_3 + C_1 C_4 R_2 - C_1 C_5 R_2} \\ \text{Qz:} \ \ \text{None} \end{array} 
               Wz: None
8.290 X-INVALID-NUMER-290 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                         H(s) = \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2\right)}
       Parameters:
                Q \colon \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1 + C_3}\sqrt{\frac{1}{C_4 - C_5}}}{\sqrt{C_1}C_3R_1 + \sqrt{C_1}C_3R_2 + \sqrt{C_1}C_3R_3 + \sqrt{C_1}C_4R_2 - \sqrt{C_1}C_5R_2}
               wo: \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}}
             bandwidth: \frac{\sqrt{C_1C_3C_4L_2L_3}}{\sqrt{C_1+C_3}\left(\sqrt{C_1}C_3R_1+\sqrt{C_1}C_3R_2+\sqrt{C_1}C_3R_3+\sqrt{C_1}C_4R_2-\sqrt{C_1}C_5R_2\right)\sqrt{\frac{1}{C_1C_3C_4R_2R_3-C_1C_3C_5R_2R_3}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}}
             K-LP: \frac{C_3C_5R_2}{C_1C_6+C_3C_6}
K-HP: 0
              K-BP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_3C_6R_3+C_4C_6R_2-C_5C_6R_2} Qz: None
               Wz: None
8.291 X-INVALID-NUMER-291 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6
                                                                                                                                                                                            H(s) = \frac{1}{C_1 C_3 C_4 R_2 R_3 R_4 R_5 s^2 - C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left( C_1 C_3 R_1 R_4 R_5 - C_1 C_3 R_2 R_3 R_4 + C_1 C_3 R_2 R_3 R_5 + C_1 C_3 R_2 R_4 R_5 + C_1 C_3 R_5 R_5 + C_1 C_5 R_5 R
      Parameters:
             Q: \frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1C_3R_1R_4R_5-\sqrt{C_1}C_3R_2R_3R_4+\sqrt{C_1}C_3R_2R_3R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_3R_4R_5+\sqrt{C_1}C_4R_2R_4R_5}} wo: \frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}} bandwidth: \frac{\sqrt{C_1C_3R_1R_4R_5-\sqrt{C_1}C_3R_2R_3R_4+\sqrt{C_1}C_3R_2R_3R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+\sqrt{C_1}C_3R_4R_5+
              K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}
               K-HP: 0
              K-BP: \frac{C_3R_1R_2R_4R_6}{C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 + C_4R_2R_4R_5}
```

Qz: None Wz: None

8.292 X-INVALID-NUMER-292
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4\right) + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4\right)}$$

Parameters:

 $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_1R_4+\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4R_2R_4-\sqrt{C_1}C_5R_2R_4}}$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}$

 $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \Big(\sqrt{C_1}C_3R_1R_4 + \sqrt{C_1}C_3R_2R_3 + \sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_3R_4 + \sqrt{C_1}C_4R_2R_4 - \sqrt{C_1}C_5R_2R_4 \Big) \sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}} \\ + \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \Big(\sqrt{C_1}C_3R_1R_4 + \sqrt{C_1}C_3R_2R_3 + \sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_3R_4 + \sqrt{C_1}C_4R_2R_4 - \sqrt{C_1}C_5R_2R_4 \Big) \sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}} \\ + \sqrt{C_1C_3R_3R_4 + C_1C_3R_3R_4 + \sqrt{C_1}C_3R_3R_4 + \sqrt{C_1}$ $\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}$

K-LP: 0

K-HP: $\frac{C_5 R_1 R_6}{C_4 R_3 - C_5 R_3}$

K-BP: $\frac{C_3C_5R_2R_4R_6}{C_1C_3R_1R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4+C_1C_4R_2R_4-C_1C_5R_2R_4}$ Qz: None

Wz: None

8.293 X-INVALID-NUMER-293 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_4C_6R_2R_3R_4 - C_1C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

Parameters:

 $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_1R_4+\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4R_2R_4-\sqrt{C_1}C_5R_2R_4}}$

wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}$

 $\frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\left(\sqrt{C_1}C_3R_1R_4 + \sqrt{C_1}C_3R_2R_3 + \sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_3R_4 + \sqrt{C_1}C_4R_2R_4 - \sqrt{C_1}C_5R_2R_4\right)\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_3C_6R_1R_4+C_3C_6R_2R_3+C_3C_6R_2R_4+C_3C_6R_3R_4+C_4C_6R_2R_4-C_5C_6R_2R_4}$ Qz: None

Wz: None

8.294 X-INVALID-NUMER-294 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_6R_1R_4R_6 + C_1C_2C_6R_3R_4R_6 - C_1C_5C_6R_3R_4R_6\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4 + C_1C_6R_3R_6 + C_1C_6R_4R_6\right)}$$

Parameters:

 $\frac{\sqrt{C_{1}}C_{2}\sqrt{C_{6}}R_{1}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}C_{2}R_{1}R_{4}+C_{1}C_{2}R_{3}R_{4}+C_{1}C_{2}R_{3}R_{4}+C_{1}C_{5}R_{3}R_{6}+C_{1}C_{6}R_{4}R_{6}+C_{2}C_{6}R_{4}R_{6}}$

wo: $\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2C_6R_1R_4R_6 + C_1C_2C_6R_3R_4R_6 - C_1C_5C_6R_3R_4R_6}}$

 $\begin{array}{c} \sqrt{C_1C_2C_6R_1R_4R_6+C_1C_2C_6R_3R_4+C_1C_3C_6R_3R_4+C_1C_6R_3R_6+C_1C_6R_4R_6+C_2C_6R_4R_6)} \sqrt{\frac{1}{C_1C_2C_6R_3R_4+C_1C_2C_6R_3R_4+C_1C_2R_3R_4+C_1C_6R_3R_6+C_1C_6R_4R_6+C_2C_6R_4R_6)} \sqrt{\frac{1}{C_1C_2C_6R_1R_4R_6+C_1C_2C_6R_3R_4R_6-C_1C_5C_6R_3R_4R_6}} \\ \text{bandwidth: } \frac{\sqrt{C_1C_2\sqrt{C_6}R_1\sqrt{R_4}\sqrt{C_2R_1+C_2R_3-C_5R_3}} + \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1R_4+C_2R_4}} \sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1R_4+C_2R_4}}} \sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{R_6}\sqrt{C_1R_3+C_1R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{C_1C_2R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{C_1C_2R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{C_1C_2R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{C_1C_2R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{R_4}\sqrt{C_1C_2R_4+C_2R_4}}} - \sqrt{C_1C_2\sqrt{C_6}R_3\sqrt{C_1C_2R_4+C_2R_4}}} - \sqrt{C_1C_$

K-LP: $\frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4}$ K-HP: 0

K-BP: $\frac{C_1C_5R_1R_4R_6}{C_1C_2R_1R_4+C_1C_2R_3R_4-C_1C_5R_3R_4+C_1C_6R_3R_6+C_1C_6R_4R_6+C_2C_6R_4R_6}$ Qz: None

8.295 X-INVALID-NUMER-295
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_5R_1R_4R_5 + C_1C_2C_5R_3R_4R_5\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_5R_4R_5\right)}$$

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_1R_3+C_1R_4+C_2R_4}}{C_1C_2R_1R_4+C_1C_2R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}$ wo: $\frac{\sqrt{C_1R_3+C_1R_4+C_2R_4}}{\sqrt{C_1C_2C_5R_1R_4R_5+C_1C_2C_5R_3R_4R_5}}$ bandwidth: $\frac{C_1C_2R_1R_4+C_1C_2R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_1C_2C_5R_1R_4R_5+C_1C_5R_3R_4R_5}}$ K-LP: $\frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4}$ K-HP: 0

K-BP: $\frac{C_1C_5R_1R_4R_6}{C_1C_2R_1R_4+C_1C_2R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}$ Qz: None

Wz: None

8.296 X-INVALID-NUMER-296 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_6s + C_5R_6}{C_1 + C_2 + s^2\left(C_1C_2C_6R_1R_6 + C_1C_2C_6R_3R_6 + C_1C_4C_6R_3R_6 - C_1C_5C_6R_3R_6\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_6R_6 + C_2C_6R_6\right)}$$

Parameters:

 $\frac{\sqrt{C_{1}C_{2}\sqrt{C_{6}}R_{1}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}C_{2}\sqrt{C_{6}}R_{3}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}C_{4}\sqrt{C_{6}}R_{3}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{6}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-C_{1}C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}$

wo: $\sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 C_6 R_1 R_6 + C_1 C_2 C_6 R_3 R_6 + C_1 C_4 C_6 R_3 R_6 - C_1 C_5 C_6 R_3 R_6}$

K-LP: $\frac{C_5R_6}{C_1+C_2}$ K-HP: 0

K-BP: $\frac{C_1C_5R_1R_6}{C_1C_2R_1+C_1C_2R_3+C_1C_4R_3-C_1C_5R_3+C_1C_6R_6+C_2C_6R_6}$ Qz: None

Wz: None

8.297 X-INVALID-NUMER-297 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_6s + C_5R_6}{C_1 + C_2 + s^2\left(C_1C_2C_5R_1R_5 + C_1C_2C_5R_3R_5 + C_1C_4C_5R_3R_5\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_5R_5 + C_2C_5R_5\right)}$$

Parameters:

wo: $\frac{\sqrt{C_1 + C_2}}{\sqrt{C_1 C_2 C_5 R_1 R_5 + C_1 C_2 C_5 R_3 R_5 + C_1 C_4 C_5 R_3 R_5}}$ bandwidth: $\frac{C_1 C_2 R_1 + C_1 C_2 R_3 + C_1 C_4 R_3 - C_1 C_5 R_3 + C_1 C_5 R_5 + C_2 C_5 R_5}{\sqrt{C_1} \sqrt{C_5} \sqrt{R_5} \sqrt{C_2 R_1 + C_2 R_3 + C_4 R_3} \sqrt{C_1 C_2 C_5 R_1 R_5 + C_1 C_2 C_5 R_3 R_5 + C_5}}$ K-LP: $\frac{C_5 R_6}{C_1 + C_2}$ K-HP: 0

K-BP: $\frac{C_1C_5R_1R_6}{C_1C_2R_1+C_1C_2R_3+C_1C_4R_3-C_1C_5R_3+C_1C_5R_5+C_2C_5R_5}$

Qz: None Wz: None

8.298 X-INVALID-NUMER-298 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_6R_1R_4R_6 + C_1C_2C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 - C_1C_5C_6R_3R_4R_6\right) + s\left(C_1C_2R_1R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_6R_3R_6 + C_1C_6R_4R_6 + C_2C_6R_4R_6\right)}$$

Parameters:

 $\frac{\sqrt{C_{1}}C_{2}\sqrt{C_{6}}R_{1}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{4}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{5}\sqrt{C_{6}}R_{3}\sqrt{R_{4}}\sqrt{R_{6}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{2}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{1}R_{4}+C_{2}R_{4}}\sqrt{C_{$

wo: $\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2C_6R_1R_4R_6 + C_1C_2C_6R_3R_4R_6 + C_1C_5C_6R_3R_4R_6}}$ bandwidth: $\frac{\sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{C_2R_1R_4 + C_1C_2R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_4 + C_1C_6R_4R_6 + C_2C_6R_4R_6)}\sqrt{\frac{C_1C_2C_6R_1R_4R_6 + C_1C_5C_6R_3R_4R_6 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5R_3R_4 + C_1C_$

8.299 X-INVALID-NUMER-299 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_5R_1R_4R_5 + C_1C_2C_5R_3R_4R_5 + C_1C_4C_5R_3R_4R_5\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_5R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_3}+C_1R_4+C_2R_4}{C_1C_2R_3R_4+C_1C_2R_3R_4+C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5}+C_2C_5R_4R_5}{\sqrt{C_1R_3}+C_1R_4+C_2R_4}}$ wo: $\frac{\sqrt{C_1R_3}+C_1R_4+C_2R_4}{\sqrt{C_1C_2C_5R_1R_4R_5}+C_1C_2C_5R_3R_4R_5+C_1C_4C_5R_3R_4R_5}}$ bandwidth: $\frac{C_1C_2R_1R_4+C_1C_2R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3}+C_4R_3\sqrt{C_1C_2C_5R_1R_4R_5}+C_1C_2C_5R_3R_4R_5+C_1C_4C_5R_3R_4R_5}}$ K-LP: $\frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4}$ K-HP: 0
K-BP: $\frac{C_1C_5R_1R_4+C_1C_2R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}{C_1C_2R_1R_4+C_1C_2R_3R_4+C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}$ Qz: None

8.300 X-INVALID-NUMER-300 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_4R_6s + C_3R_4R_6}{C_1C_2C_3R_1R_4R_5s^2 - C_1R_4 + C_1R_5 + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_2C_3R_4R_5\right)}$

Parameters:

 $\begin{array}{l} \text{Q:} \ \frac{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_1C_2\sqrt{R_4}\sqrt{R_5}+C_1C_3\sqrt{R_4}\sqrt{R_5}+C_2C_3\sqrt{R_4}\sqrt{R_5}}\\ \text{wo:} \ \frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}\\ \text{bandwidth:} \ \frac{C_1C_2\sqrt{R_4}\sqrt{R_5}+C_1C_3\sqrt{R_4}\sqrt{R_5}+C_2C_3\sqrt{R_4}\sqrt{R_5}}{C_1C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}\\ \text{K-LP:} \ -\frac{C_3R_4R_6}{C_1R_4-C_1R_5}\\ \text{K-HP:} \ 0\\ \text{K-BP:} \ \frac{C_1C_3R_1R_6}{C_1C_2R_5+C_1C_3R_5+C_2C_3R_5}\\ \text{Qz:} \ \text{None}\\ \text{Wz:} \ \text{None} \end{array}$

8.301 X-INVALID-NUMER-301 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3R_1R_4s^2 + C_1 + s\left(C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4\right)}$

Parameters:

8.302 X-INVALID-NUMER-302 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_4s + C_3C_5R_4}{C_1C_2C_3C_6R_1R_4s^2 + C_1C_6 + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

Q: $\frac{C_{1}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}}{C_{1}C_{2}\sqrt{R_{4}}+C_{1}C_{3}\sqrt{R_{4}}-C_{1}C_{5}\sqrt{R_{4}}+C_{2}C_{3}\sqrt{R_{4}}}$ wo: $\frac{1}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{4}}}$ bandwidth: $\frac{C_{1}C_{2}\sqrt{R_{4}}+C_{1}C_{3}\sqrt{R_{4}}-C_{1}C_{5}\sqrt{R_{4}}+C_{2}C_{3}\sqrt{R_{4}}}{C_{1}C_{2}C_{3}R_{1}\sqrt{R_{4}}}$

K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1}{C_1C_2C_6+C_1C_3C_6-C_1C_5C_6+C_2C_3C_6}$ Qz: None

Wz: None

8.303 X-INVALID-NUMER-303 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1 C_3 R_1 R_6 s + C_3 R_6}{C_1 C_2 C_3 R_1 R_5 s^2 - C_1 + s \left(C_1 C_2 R_5 + C_1 C_3 R_5 + C_1 C_4 R_5 + C_2 C_3 R_5 \right)}$$

Parameters:

Q: $\frac{iC_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_1C_2\sqrt{R_5} + C_1C_3\sqrt{R_5} + C_1C_4\sqrt{R_5} + C_2C_3\sqrt{R_5}}$

wo: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_1C_2\sqrt{R_5}+C_1C_3\sqrt{R_5}+C_1C_4\sqrt{R_5}+C_2C_3\sqrt{R_5}}{C_1C_2C_3R_1\sqrt{R_5}}$

K-LP: $-\frac{C_3 R_6}{C_1}$ K-HP: 0

K-BP: $\frac{C_1C_3R_1R_6}{C_1C_2R_5+C_1C_3R_5+C_1C_4R_5+C_2C_3R_5}$

Qz: None Wz: None

8.304 X-INVALID-NUMER-304 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_6s + C_3C_5R_6}{C_1C_2C_3C_6R_1R_6s^2 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_3R_1 + C_1C_2C_6R_6 + C_1C_3C_6R_6 + C_1C_4C_6R_6 - C_1C_5C_6R_6 + C_2C_3C_6R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{C_1C_2C_3R_1+C_1C_2C_6R_6+C_1C_3C_6R_6+C_1C_4C_6R_6-C_1C_5C_6R_6+C_2C_3C_6R_6}}$ wo: $\frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}}$ bandwidth: $\frac{C_1C_2C_3R_1+C_1C_2C_6R_6+C_1C_3C_6R_6+C_1C_4C_6R_6-C_1C_5C_6R_6+C_2C_3C_6R_6}{C_1C_2C_3C_6R_1R_6}}$

K-LP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1R_6}{C_1C_2C_3R_1+C_1C_2C_6R_6+C_1C_3C_6R_6+C_1C_4C_6R_6-C_1C_5C_6R_6+C_2C_3C_6R_6}$ Qz: None

Wz: None

8.305 X-INVALID-NUMER-305 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_6s + C_3C_5R_6}{C_1C_2C_3C_5R_1R_5s^2 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_3R_1 + C_1C_2C_5R_5 + C_1C_3C_5R_5 + C_1C_4C_5R_5 + C_2C_3C_5R_5\right)}$$

Parameters:

 $\begin{array}{ll} \text{Q:} & \frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{C_1C_2C_3R_1+C_1C_2C_5R_5+C_1C_3C_5R_5+C_1C_4C_5R_5+C_2C_3C_5R_5} \\ \text{wo:} & \frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}} \\ \text{bandwidth:} & \frac{C_1C_2C_3R_1+C_1C_2C_5R_5+C_1C_3C_5R_5+C_1C_4C_5R_5+C_2C_3C_5R_5}{C_1C_2C_3C_5R_1R_5} \end{array}$

K-LP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1R_6}{C_1C_2C_3R_1+C_1C_2C_5R_5+C_1C_3C_5R_5+C_1C_4C_5R_5+C_2C_3C_5R_5}$ Qz: None

Wz: None

8.306 X-INVALID-NUMER-306 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_4R_6s + C_3R_4R_6}{C_1C_2C_3R_1R_4R_5s^2 - C_1R_4 + C_1R_5 + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 + C_2C_3R_4R_5\right)}$

Parameters:

Q: $\frac{C_{1}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{-R_{4}+R_{5}}}{C_{1}C_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{4}\sqrt{R_{4}}\sqrt{R_{5}}+C_{2}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}}$ wo: $\frac{\sqrt{-R_{4}+R_{5}}}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}}$ bandwidth: $\frac{C_{1}C_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{4}\sqrt{R_{4}}\sqrt{R_{5}}+C_{2}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}}{C_{1}C_{2}C_{3}R_{1}\sqrt{R_{4}}\sqrt{R_{5}}}$

K-LP: $-\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: 0

K-BP: $\frac{C_1C_3R_1R_6}{C_1C_2R_5+C_1C_3R_5+C_1C_4R_5+C_2C_3R_5}$ Qz: None

Wz: None

8.307 X-INVALID-NUMER-307 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3R_1R_4s^2 + C_1 + s\left(C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4\right)}$

Parameters:

Q: $\frac{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_1C_2\sqrt{R_4} + C_1C_3\sqrt{R_4} + C_1C_4\sqrt{R_4} - C_1C_5\sqrt{R_4} + C_2C_3\sqrt{R_4}}$ wo: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_1C_2\sqrt{R_4} + C_1C_3\sqrt{R_4} + C_1C_4\sqrt{R_4} - C_1C_5\sqrt{R_4} + C_2C_3\sqrt{R_4}}{C_1C_2C_2R_1\sqrt{R_4}}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ Qz: None

Wz: None

8.308 X-INVALID-NUMER-308 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4s + C_3C_5R_4}{C_1C_2C_3C_6R_1R_4s^2 + C_1C_6 + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$

Parameters:

Q: $\frac{C_{1}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}}{C_{1}C_{2}\sqrt{R_{4}}+C_{1}C_{3}\sqrt{R_{4}}+C_{1}C_{4}\sqrt{R_{4}}-C_{1}C_{5}\sqrt{R_{4}}+C_{2}C_{3}\sqrt{R_{4}}}$ wo: $\frac{1}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{4}}}$ bandwidth: $\frac{C_{1}C_{2}\sqrt{R_{4}}+C_{1}C_{3}\sqrt{R_{4}}+C_{1}C_{4}\sqrt{R_{4}}-C_{1}C_{5}\sqrt{R_{4}}+C_{2}C_{3}\sqrt{R_{4}}}{C_{1}C_{2}C_{3}R_{1}\sqrt{R_{4}}}$ where $C_{1}C_{2}C_{3}R_{4}$

K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1}{C_1C_2C_6+C_1C_3C_6+C_1C_4C_6-C_1C_5C_6+C_2C_3C_6}$ Qz: None

8.309 X-INVALID-NUMER-309 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_1C_3R_1R_4R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_3R_4R_5\right) + s\left(C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 + C_2C_3R_4R_5\right)}$$

Parameters:

Q: $\frac{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-R_4+R_5}}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_2C_3R_4R_5}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$ bandwidth: $\frac{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_2C_3R_4R_5}{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5}}$ K-LP: $-\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: 0

K-BP: $\frac{C_1C_3R_1R_4R_6}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_2C_3R_4R_5}$ Qz: None

Wz: None

8.310 X-INVALID-NUMER-310 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_3R_4 - C_1C_3C_5R_3R_4\right) + s\left(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4\right)}$$

Parameters:

 $Q: \frac{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_1C_2R_4+C_1C_3R_4+C_1C_5R_4+C_2C_3R_4}$

 $\text{bandwidth: } \frac{(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}}}{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}}$

K-LP: 0

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}$ K-BP: $\frac{C_5R_1R_6}{C_1C_2R_4+C_1C_3R_3+C_1C_3R_4+C_1C_5R_4+C_2C_3R_4}$ Qz: None

Wz: None

8.311 X-INVALID-NUMER-311 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_4s + C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

$$Q: \frac{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_1C_2R_4+C_1C_3R_4+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4}$$

$$WO: \sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4-C_3C_5R_3R_4}}$$

 $\text{wo: } \sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}} \\ \text{bandwidth: } \frac{(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}}}{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}} \\ + C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}} \\ + C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_3 - C_5R_3}} \\ + C_1C_2\sqrt{C_3}R_3\sqrt{\frac{1}{C_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{$

K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-HP: 0

Wz: None

K-BP: $\frac{C_1C_3C_5R_1R_4}{C_1C_2C_6R_4+C_1C_3C_6R_3+C_1C_3C_6R_4-C_1C_5C_6R_4+C_2C_3C_6R_4}$ Qz: None

8.312 X-INVALID-NUMER-312 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1C_3R_1R_6s + C_3R_6}{-C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_3R_3R_5 + C_1C_3C_4R_3R_5\right) + s\left(C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 + C_1C_4R_5 + C_2C_3R_5\right)}$$

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wo: \frac{i}{\sqrt{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5}} bandwidth: \frac{C_1C_2R_5-C_1C_3R_3+C_1C_3R_5+C_1C_4R_5+C_2C_3R_5}{C_1\sqrt{C_3}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5}} K-LP: -\frac{C_3R_6}{C_1}
            K-HP: 0
           K-BP: \frac{C_1C_3R_1R_6}{C_1C_2R_5-C_1C_3R_3+C_1C_3R_5+C_1C_4R_5+C_2C_3R_5} Qz: None
            Wz: None
8.313 X-INVALID-NUMER-313 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
          H(s) = \frac{C_1C_3C_5R_1R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_6R_1R_6 + C_1C_3C_4C_6R_3R_6 - C_1C_3C_5C_6R_3R_6\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_6R_6 + C_1C_3C_5R_3 + C_1C_3C_5R_3 + C_1C_3C_6R_6 + C_1C_3C_6R_6
      Parameters:
             O: \frac{\sqrt{C_1}C_2\sqrt{C_3}\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{C_1C_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{C_1C_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_1C_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_1C_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_2C_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \sqrt{C_1}C_2\sqrt{C_3}\sqrt{C_6}R_3\sqrt{R_6}\sqrt{\frac{C_1C_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{C_1C_3}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{C_1
            Wo: \sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_6R_1R_6+C_1C_2C_3C_6R_3R_6+C_1C_3C_4C_6R_3R_6-C_1C_3C_5C_6R_3R_6}}
            \frac{1}{\sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{C_{6}}R_{1}\sqrt{R_{6}}\sqrt{\frac{C_{1}C_{2}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \frac{C_{1}C_{4}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}} + \frac{C_{1}C_{4}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}} + \frac{C_{1}C_{3}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{C_{6}}R_{3}\sqrt{R_{6}}\sqrt{\frac{C_{1}C_{2}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}} + \frac{C_{1}C_{4}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \frac{C_{1}C_{3}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}} 
            K-LP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}
K-HP: 0
            \text{K-BP: } \frac{C_1C_3C_5R_1R_6}{C_1C_2C_3R_1+C_1C_2C_3R_3+C_1C_2C_6R_6+C_1C_3C_4R_3-C_1C_3C_5R_3+C_1C_3C_6R_6+C_1C_4C_6R_6-C_1C_5C_6R_6+C_2C_3C_6R_6}
              Qz: None
            Wz: None
8.314 X-INVALID-NUMER-314 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_1C_3C_5R_1R_6s + C_3C_5R_6
                                                                         H(s) = \frac{C_1 C_3 C_5 I \iota_1 I \iota_6 s + C_3 C_5 I \iota_6}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3 + s^2 \left(C_1 C_2 C_3 C_5 R_1 R_5 + C_1 C_2 C_3 C_5 R_3 R_5 + C_1 C_3 C_4 C_5 R_3 R_5\right) + s \left(C_1 C_2 C_3 R_1 + C_1 C_2 C_5 R_5 + C_1 C_3 C_4 R_3 - C_1 C_3 C_5 R_3 + C_1 C_3 C_5 R_5 + C_1 C_4 C_5 R_5 + C_2 C_3 C_5 R_5\right)}
     Parameters:
       \begin{array}{l} \text{K-BP:} \ \frac{C_1C_3C_5R_1R_6}{C_1C_2C_3R_1+C_1C_2C_3R_3+C_1C_2C_5R_5+C_1C_3C_4R_3-C_1C_3C_5R_3+C_1C_3C_5R_5+C_1C_4C_5R_5+C_2C_3C_5R_5} \end{array} 
             Qz: None
            Wz: None
8.315 X-INVALID-NUMER-315 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_1C_3R_1R_4R_6s + C_3R_4R_6
                                                                                                                                                                        Parameters:
             Q: \frac{C_1\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_1C_4R_4R_5+C_2C_3R_4R_5} wo: \frac{\sqrt{-R_4+R_5}}{\sqrt{-R_4+R_5}}
          W0: \frac{\sqrt{-n_4+n_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5+C_3C_4R_3R_4R_5}} bandwidth: \frac{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_1C_4R_4R_5+C_2C_3R_4R_5}{C_1\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5+C_3C_4R_3R_4R_5}} K-LP: -\frac{C_3R_4R_6}{C_1R_4-C_1R_5} K-HP: 0
             K-HP: 0
```

K-BP: $\frac{C_1C_3R_1R_4R_6}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_1C_4R_4R_5+C_2C_3R_4R_5}$ Qz: None

8.316 X-INVALID-NUMER-316
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_3R_4 + C_1C_3C_4R_3R_4 - C_1C_3C_5R_3R_4\right) + s\left(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4\right)}$$

$$Q: \frac{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}C_{2}\sqrt{C_{3}}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}\sqrt{C_{3}}C_{4}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}}C_{5}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} \\ wo: \sqrt{\frac{1}{C_{2}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{3}R_{4}+C_{3}C_{4}R_{3}R_{4}-C_{3}C_{5}R_{3}R_{4}}} \\ bandwidth: \frac{(C_{1}C_{2}R_{4}+C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{4}+C_{2}C_{3}R_{4})\sqrt{\frac{1}{C_{2}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{3}R_{4}+C_{3}C_{4}R_{3}R_{4}-C_{3}C_{5}R_{3}R_{4}}} \\ bandwidth: \frac{(C_{1}C_{2}R_{4}+C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{4}+C_{2}C_{3}R_{4})\sqrt{\frac{1}{C_{2}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{3}R_{4}+C_{3}C_{5}R_{3}R_{4}}{C_{2}C_{3}R_{1}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} + C_{1}\sqrt{C_{3}C_{4}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{3}R_{4}+C_{3}C_{5}R_{3}R_{4}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} \\ K-LP: 0 \\ K-HP: \frac{C_{5}R_{1}R_{6}}{C_{2}C_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}\sqrt{C_{3}C_{4}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}{C_{5}R_{4}R_{6}}} \\ K-BP: \frac{C_{5}C_{1}R_{6}}{C_{1}C_{2}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{4}+C_{2}C_{3}R_{4}}} \\ Qz: None \\ Wz: None \\$$

8.317 X-INVALID-NUMER-317 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_4s + C_3C_5R_4}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_3R_4 + C_1C_3C_4C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

$$Q: \frac{ {}^{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}C_{2}\sqrt{C_{3}}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}\sqrt{C_{3}}C_{4}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}}C_{5}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}}C_{5}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} } \\ wo: \sqrt{\frac{1}{C_{2}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{4}+C_{3}C_{4}R_{3}R_{4}-C_{3}C_{5}R_{3}R_{4}}}{(C_{1}C_{2}R_{4}+C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{4}+C_{2}C_{3}R_{4}})\sqrt{\frac{1}{C_{2}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{3}R_{4}+C_{3}C_{5}R_{3}R_{4}}{C_{1}C_{2}C_{3}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} }} \\ bandwidth: \frac{(C_{1}C_{2}R_{4}+C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{4}+C_{2}C_{3}R_{4})\sqrt{\frac{1}{C_{2}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{3}R_{4}+C_{3}C_{5}R_{3}R_{4}}}{C_{1}C_{2}C_{3}C_{3}R_{1}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}\sqrt{C_{3}C_{4}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - C_{1}\sqrt{C_{3}C_{5}R_{3}R_{4}}}} \\ K-LP: \frac{C_{3}C_{5}R_{4}}{C_{1}C_{6}}}{C_{1}C_{6}} \\ K-HP: 0 \\ K-BP: \frac{C_{1}C_{3}C_{5}R_{1}R_{4}}{C_{1}C_{2}C_{6}R_{4}+C_{1}C_{3}C_{6}R_{4}+C_{1}C_{5}C_{6}R_{4}+C_{2}C_{3}C_{6}R_{4}}}{C_{2}C_{3}C_{6}R_{4}+C_{1}C_{3}C_{6}R_{4}+C_{1}C_{3}C_{6}R_{4}+C_{1}C_{5}C_{6}R_{4}+C_{2}C_{3}C_{6}R_{4}}} \\ Wz: None \\ Wz: None \\ \\ \\ C_{1}C_{2}C_{3}R_{1}R_{1}C_{1}C_{2}C_{3}R_{1}C_{1}C_{2}C_{3}R_{3}C_{1}C_{2}C_{3}R_{3}C_{1}C_{2}C_{3}R_{3}C_{1}C_{3}C_{3}R_{3}C_{1}C_{3}C_{3}R_{3}C_{1}C_{2}C_{3}R_{3}C_{1}C_{2}C_{3}R_{3}C_{1}C_{2}C_{3}C_{1}R_{3}C_{1}C_{2}C_{2}C_{1}C_{2}C_{2}C_{1}C_{2}C_{1}C_{2}C_{1}C$$

8.318 X-INVALID-NUMER-318 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_1R_1R_2R_4R_6s + R_2R_4R_6}{R_4R_5 + s^2\left(C_1C_2R_1R_2R_4R_5 + C_1C_2R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5\right)}$$

Parameters:

8.319 X-INVALID-NUMER-319 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 - C_1C_5R_2R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4\right)}$$

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Q \colon \frac{\sqrt{C_1}C_2R_1\sqrt{R_2}R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + \sqrt{C_1}C_2\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_1}C_5\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}
\text{wo: } \sqrt{\frac{1}{C_1C_2R_1R_2+C_1C_2R_2R_3-C_1C_5R_2R_3}}
\text{bandwidth: } \frac{(C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_1R_2+C_1C_2R_2R_3-C_1C_5R_2R_3}}}{\sqrt{C_1C_2R_1\sqrt{R_2}R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}} + \sqrt{C_1}C_2\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}} - \sqrt{C_1}C_5\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}
\text{K-LP: 0}
\text{K-HP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}
\text{K-BP: } \frac{C_5R_1R_6}{C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}}{C_1R_1R_2R_4+C_1R_3R_4+C_2R_2R_4}}
\text{Qz: None}
\text{Wz: None}
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8.320 X-INVALID-NUMER-320 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4\right)}$$

Parameters:

$$\begin{array}{c} Q\colon \frac{\sqrt{C_{1}}C_{2}R_{1}\sqrt{R_{2}}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}\\ VO: \frac{1}{\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{2}+C_{1}C_{2}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth:} \frac{(C_{1}R_{1}R_{4}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{2}+C_{1}C_{2}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth:} \frac{(C_{1}R_{1}R_{4}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{2}+C_{1}C_{2}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{\sqrt{C_{1}C_{2}R_{1}\sqrt{R_{2}}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}}}\\ \text{K-LP: } \frac{C_{5}R_{2}}{C_{6}}\\ \text{K-HP: } 0\\ \text{K-BP: } \frac{C_{1}C_{5}R_{1}R_{2}R_{4}}{C_{1}C_{6}R_{2}R_{3}+C_{1}C_{6}R_{2}R_{4}+C_{1}C_{6}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{4}}}\\ \text{Qz: None}\\ \text{Wz: None} \end{array}$$

8.321 X-INVALID-NUMER-321 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1R_1R_2R_6s + R_2R_6}{R_5 + s^2\left(C_1C_2R_1R_2R_5 + C_1C_2R_2R_3R_5 + C_1C_4R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5\right)}$$

Parameters:

8.322 X-INVALID-NUMER-322 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_6s^2 + C_5R_2R_6s}{s^2\left(C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_2R_2\right) + 1}$$

$$Q \colon \frac{\sqrt{C_{1}C_{2}R_{1}\sqrt{R_{2}}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{2}\sqrt{R_{2}}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}R_{3}+C_{4}R_$$

K-BP: $\frac{C_5R_2R_6}{C_1R_1+C_1R_2+C_1R_3+C_2R_2}$ Qz: None

Wz: None

8.323 X-INVALID-NUMER-323 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_5R_1R_2s + C_5R_2}{C_6 + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2\right)}$

Parameters:

 $\text{Q:} \ \frac{\sqrt{C_{1}}C_{2}R_{1}\sqrt{R_{2}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{2}R_{2}}$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_2+C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}$

 $(C_1R_1 + C_1R_2 + C_1R_3 + C_2R_2)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$ $\frac{1}{\sqrt{C_1}C_2R_1\sqrt{R_2}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1}C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3$

K-LP: $\frac{C_5R_2}{C_6}$ K-HP: 0

K-BP: $\frac{C_1C_5R_1R_2}{C_1C_6R_1+C_1C_6R_2+C_1C_6R_3+C_2C_6R_2}$ Qz: None

Wz: None

8.324 X-INVALID-NUMER-324 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_1R_1R_2R_4R_6s + R_2R_4R_6}{R_4R_5 + s^2\left(C_1C_2R_1R_2R_4R_5 + C_1C_2R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5\right)}$

Parameters:

wo: $\frac{1}{\sqrt{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3}}$ bandwidth: $\frac{C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5}{\sqrt{C_1\sqrt{R_2}R_4R_5\sqrt{C_2R_1 + C_2R_3 + C_4R_3}\sqrt{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3}}}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: 0

K-BP: $\frac{C_1R_1R_2R_4R_6}{C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5}$

Qz: None Wz: None

8.325 X-INVALID-NUMER-325 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4\right)}$

Parameters:

 $\text{Q:} \ \frac{\sqrt{C_{1}}C_{2}R_{1}\sqrt{R_{2}}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-C_{1}R_{1}R_{4}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}}$

 $\frac{(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}{\sqrt{C_1C_2R_1\sqrt{R_2}R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + \sqrt{C_1C_2\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + \sqrt{C_1C_4\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} + \sqrt{C_1C_4\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}}} + \sqrt{C_1C_4\sqrt{R_2}R_3 - C_5R_3}} + \sqrt{C_1C_4\sqrt{R_2}R_3 - C_5$

K-LP: 0

 $\begin{array}{l} \text{K-HP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{K-BP: } \frac{C_5R_2R_4R_6}{C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4} \end{array}$

Qz: None Wz: None

8.326 X-INVALID-NUMER-326
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5R_1R_2R_4s + C_5R_2R_4}{C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_1C_6R_2R_4\right)}$$

$$Q: \frac{\sqrt{C_{1}C_{2}R_{1}\sqrt{R_{2}}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{2}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}} - \sqrt{C_{1}C_{2}R_{1}R_{2}+C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{2}R_{4}} - \sqrt{C_{1}C_{2}R_{1}R_{2}+C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{2}R_{3}} + \sqrt{C_{1}C_{2}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}R$$

8.327 X-INVALID-NUMER-327 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{C_1C_2C_3R_1R_2R_4R_5s^2 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 + C_2C_3R_2R_4R_5\right)}$$

Parameters:

8.328 X-INVALID-NUMER-328 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1C_2C_3R_1R_2R_4s^2 + C_1R_2 + C_1R_4 + C_3R_4 + s\left(C_1C_2R_2R_4 + C_1C_3R_1R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}$$

Parameters:

8.329 X-INVALID-NUMER-329
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_2C_3C_6R_1R_2R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_2R_2\sqrt{R_4}+C_1C_3R_1\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}$

wo: $\frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_1C_2R_2\sqrt{R_4} + C_1C_3R_1\sqrt{R_4} + C_1C_3R_2\sqrt{R_4} - C_1C_5R_2\sqrt{R_4} + C_2C_3R_2\sqrt{R_4}}{C_1C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1R_2}{C_1C_2C_6R_2+C_1C_3C_6R_1+C_1C_3C_6R_2-C_1C_5C_6R_2+C_2C_3C_6R_2}$ Qz: None

Wz: None

8.330 X-INVALID-NUMER-330 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_2R_6s + C_3R_2R_6}{C_1C_2C_3R_1R_2R_5s^2 - C_1R_2 + C_1R_5 + C_3R_5 + s\left(C_1C_2R_2R_5 + C_1C_3R_1R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_5 + C_2C_3R_2R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{-C_{1}R_{2}+C_{1}R_{5}+C_{3}R_{5}}}{C_{1}C_{2}R_{2}\sqrt{R_{5}}+C_{1}C_{3}R_{1}\sqrt{R_{5}}+C_{1}C_{3}R_{2}\sqrt{R_{5}}+C_{1}C_{4}R_{2}\sqrt{R_{5}}+C_{2}C_{3}R_{2}\sqrt{R_{5}}}$ wo: $\frac{\sqrt{-C_{1}R_{2}+C_{1}R_{5}+C_{3}R_{5}}}{\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}}$ bandwidth: $\frac{C_{1}C_{2}R_{2}\sqrt{R_{5}}+C_{1}C_{3}R_{1}\sqrt{R_{5}}+C_{1}C_{3}R_{2}\sqrt{R_{5}}+C_{1}C_{4}R_{2}\sqrt{R_{5}}+C_{2}C_{3}R_{2}\sqrt{R_{5}}}{C_{1}C_{2}C_{3}R_{1}R_{2}\sqrt{R_{5}}}$

K-LP: $-\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}$ K-HP: 0

K-BP: $\frac{C_1C_3R_1R_2R_6}{C_1C_2R_2R_5+C_1C_3R_1R_5+C_1C_3R_2R_5+C_1C_4R_2R_5+C_2C_3R_2R_5}$ Qz: None

Wz: None

8.331 X-INVALID-NUMER-331 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1C_2C_3R_1R_2s^2 + C_1 + C_3 + s\left(C_1C_2R_2 + C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_2 - C_1C_5R_2 + C_2C_3R_2\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1+C_3}}{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}$ wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}$ bandwidth: $\frac{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}{C_1C_2C_3R_1R_2}$ K IP: 0

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_3C_5R_2R_6}{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}$ Qz: None

Wz: None

8.332 X-INVALID-NUMER-332 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_2C_3C_6R_1R_2s^2 + C_1C_6 + C_3C_6 + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1+C_3}}{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}$ wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}$ bandwidth: $\frac{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}{C_1C_2C_3R_1R_2}$

K-LP: $\frac{C_3C_5R_2}{C_1C_6+C_3C_6}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1R_2}{C_1C_2C_6R_2+C_1C_3C_6R_1+C_1C_3C_6R_2+C_1C_4C_6R_2-C_1C_5C_6R_2+C_2C_3C_6R_2}$ Qz: None

8.333 X-INVALID-NUMER-333
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{C_1C_2C_3R_1R_2R_4R_5s^2 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 + C_2C_3R_2R_4R_5\right)}$$

Q: $\frac{\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{-C_{1}R_{2}R_{4}+C_{1}R_{2}R_{5}+C_{1}R_{4}R_{5}}}{C_{1}C_{2}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}R_{1}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{4}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{2}C_{3}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}}}$ wo: $\frac{\sqrt{-C_{1}R_{2}R_{4}+C_{1}R_{2}R_{5}+C_{1}R_{4}R_{5}+C_{3}R_{4}R_{5}}}{\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}}}$ bandwidth: $\frac{C_{1}C_{2}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}R_{1}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{4}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{2}C_{3}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}}}{C_{1}C_{2}C_{3}R_{1}R_{2}\sqrt{R_{4}}\sqrt{R_{5}}}}$

K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$ K-HP: 0

K-BP: $\frac{C_1C_3R_1R_2R_6}{C_1C_2R_2R_5+C_1C_3R_1R_5+C_1C_3R_2R_5+C_1C_4R_2R_5+C_2C_3R_2R_5}$ Qz: None

Wz: None

8.334 X-INVALID-NUMER-334 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1C_2C_3R_1R_2R_4s^2 + C_1R_2 + C_1R_4 + C_3R_4 + s\left(C_1C_2R_2R_4 + C_1C_3R_1R_4 + C_1C_3R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_2R_2\sqrt{R_4}+C_1C_3R_1\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}+C_1C_4R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_1C_2R_2\sqrt{R_4}+C_1C_3R_1\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}+C_1C_4R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}{C_1C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: 0 K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_3C_5R_2R_6}{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}$ Qz: None

Wz: None

8.335 X-INVALID-NUMER-335 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_2C_3C_6R_1R_2R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + c_3C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{C_1C_2R_2\sqrt{R_4}+C_1C_3R_1\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}+C_1C_4R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_1C_2R_2\sqrt{R_4}+C_1C_3R_1\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}+C_1C_4R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}{C_1C_2C_2R_2R_2\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: 0

K-BP: $\frac{C_1C_3C_5R_1R_2}{C_1C_2C_6R_2 + C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2}$

Qz: None Wz: None

8.336 X-INVALID-NUMER-336 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_2R_2R_4R_5\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_2R_4R_5\right)}$$

Parameters:

 $\begin{aligned} & \text{Q:} \ \frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_3}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_2R_2R_4R_5+C_1C_3R_1R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5+C_1C_3R_3R_4R_5+C_2C_3R_2R_4R_5} \\ & \text{wo:} \ \frac{\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{\sqrt{C_1C_2C_3R_1R_2R_4R_5+C_1C_2C_3R_2R_3R_4R_5}} \end{aligned}$

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bandwidth: \frac{C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_3R_4R_5 + C_2C_3R_2R_4R_5}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1 + R_3}\sqrt{C_1C_2C_3R_1R_2R_4R_5 + C_1C_2C_3R_2R_3R_4R_5}} K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4 - C_1R_2R_5 - C_1R_4R_5 - C_3R_4R_5} K HP: 0
              K-BP: \frac{C_1C_3R_1R_2R_4R_6}{C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_3R_4R_5 + C_2C_3R_2R_4R_5} Qz: None
              Wz: None
8.337 X-INVALID-NUMER-337 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s
                                                                                                                                                    H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6S + C_3C_5R_2R_4R_6S}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_2R_3R_4 - C_1C_3C_5R_2R_3R_4\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}
      Parameters:
               wo: \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}
                                                                                                                                                    \sqrt{C_1R_2 + C_1R_4 + C_3R_4}(C_1C_2R_2R_4 + C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4)\sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}
                                                                       \frac{\sqrt{C_1C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}-\sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}-\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}-\sqrt{C_1}\sqrt{C_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}-\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}-\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}-\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+\frac{1}{C_2R_1+C_2R_3-C_5R_3}}
               K-LP: 0
              K-HP: \frac{C_5 R_1 R_6}{C_2 R_1 + C_2 R_3 - C_5 R_3}
               \text{K-BP:} \frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4+C_1C_3R_1R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4-C_1C_5R_2R_4+C_2C_3R_2R_4} 
                 Qz: None
              Wz: None
8.338 X-INVALID-NUMER-338 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4
                                                                       Parameters:
               Q: \frac{\sqrt{C_1C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_1\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-C_1C_2R_2R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_2R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1
               \text{wo: } \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4}(C_1C_2R_2R_4 + C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_2R_4 + C_2C_3R_2R_4)\sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_3R_2R_3 + C_1C_3C_5R_2R_3R_4}}}{\sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}}\sqrt{R_2}\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}}} + \sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}}} - \sqrt{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}}} - \sqrt{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_2}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_2}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_2}\sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}\sqrt{C_1C_2}
             K-LP: \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}
K-HP: 0
              K-BP: \frac{C_1C_3C_5R_1R_2R_4}{C_1C_2C_6R_2R_4+C_1C_3C_6R_1R_4+C_1C_3C_6R_2R_3+C_1C_3C_6R_2R_4+C_1C_3C_6R_3R_4-C_1C_5C_6R_2R_4+C_2C_3C_6R_2R_4} Qz: None
               Wz: None
8.339 X-INVALID-NUMER-339 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1C_3R_1R_2R_6s + C_3R_2R_6
                                                                                                                                                H(s) = \frac{1}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_1R_2R_5 + C_1C_2C_3R_2R_3R_5 + C_1C_3C_4R_2R_3R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 + C_2C_3R_2R_3R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_3R_5\right) + s\left(C_1C_2R_3R_5\right) + s\left(C_1C_2R_
       Parameters:
           \begin{array}{l} \dots & \sqrt{C_1C_2C_3R_1R_2R_5+C_1C_2C_3R_2R_3R_5+C_1C_3C_4R_2R_3R_5} \\ \text{bandwidth:} & \frac{C_1C_2R_2R_5+C_1C_3R_1R_5-C_1C_3R_2R_3+C_1C_3R_2R_5+C_1C_3R_3R_5+C_1C_4R_2R_5+C_2C_3R_2R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_2}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_1C_2C_3R_1R_2R_5+C_1C_2C_3R_2R_3R_5+C_1C_3C_4R_2R_3R_5}} \\ \text{K-LP:} & -\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5} \\ \text{K-HP:} & 0 \end{array} 
               \text{K-BP: } \frac{C_1C_3R_1R_2R_6}{C_1C_2R_2R_5 + C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 + C_2C_3R_2R_5}
```

Qz: None Wz: None

8.340 X-INVALID-NUMER-340
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_2C_3R_2R_3 + C_1C_3C_4R_2R_3 - C_1C_3C_5R_2R_3\right) + s\left(C_1C_2R_2 + C_1C_3R_1 + C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 - C_1C_5R_2 + C_2C_3R_2\right)}$$

 $Q: \frac{\sqrt{c_1 c_2 \sqrt{c_3} R_1 \sqrt{R_2} \sqrt{c_1 + c_3} \sqrt{\frac{1}{c_2 R_1 + c_2 R_3 + c_4 R_3 - c_5 R_3}} + \sqrt{c_1 c_2 \sqrt{c_3} \sqrt{R_2} R_3 \sqrt{c_1 + c_3} \sqrt{\frac{1}{c_2 R_1 + c_2 R_3 + c_4 R_3 - c_5 R_3}}} - \sqrt{c_1 \sqrt{c_3} \sqrt{c_4 R_2} \sqrt{c_2 R_1 + c_2 R_3 + c_4 R_3 - c_5 R_3}} - \sqrt{c_1 \sqrt{c_3} \sqrt{c_4 R_2} \sqrt{c_4 R_2} \sqrt{c_4 R_3} \sqrt{c_1 + c_3} \sqrt{\frac{1}{c_2 R_1 + c_2 R_3 + c_4 R_3 - c_5 R_3}}} - \sqrt{c_1 \sqrt{c_3} \sqrt{c_4 R_2} \sqrt{c_4 R_2} \sqrt{c_4 R_2} \sqrt{c_4 R_2} \sqrt{c_4 R_2} \sqrt{c_4 R_3 - c_5 R_3}}} - \sqrt{c_1 \sqrt{c_3} \sqrt{c_4 R_2} \sqrt{c_4 R_2} \sqrt{c_4 R_3 - c_5 R_3}}} - \sqrt{c_1 \sqrt{c_3} \sqrt{c_4 R_2} \sqrt{c_4 R_2} \sqrt{c_4 R_2} - c_5 R_2}}} - \sqrt{c_1 \sqrt{c_3} \sqrt{c_4 R_2} \sqrt{c_4 R_2} - c_5 R_2}} - \sqrt{c_4 \sqrt{c_4 R_4} - c_5 R_3}} - \sqrt{c_4 \sqrt{c_4 R_4} - c_5$

8.341 X-INVALID-NUMER-341 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_3C_6R_1R_2 + C_1C_2C_3C_6R_2R_3 + C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}$$

Parameters:

```
 Q: \frac{\sqrt{C_1C_2}\sqrt{C_3R_1}\sqrt{R_2}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_1}\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_1}\sqrt{C_3}C_5\sqrt{R_2}C_4\sqrt{C_1}C_3}C_5\sqrt{R_2}C_4\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt{C_1}C_5\sqrt
```

8.342 X-INVALID-NUMER-342 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_3C_4R_2R_3R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_2R_3R_4 + C_1C_3R_3R_3R_4 + C_1C_3R$

Parameters:

```
Q: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}}{C_1C_2R_2R_4R_5+C_1C_3R_1R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5+C_1C_3R_3R_4R_5+C_1C_4R_2R_4R_5+C_2C_3R_2R_4R_5}
wo: \frac{\sqrt{-C_1}R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{\sqrt{C_1C_2C_3R_1R_2R_4R_5+C_1C_2C_3R_2R_3R_4R_5+C_1C_3C_4R_2R_3R_4R_5}}
bandwidth: \frac{C_1C_2R_2R_4R_5+C_1C_2C_3R_2R_3R_4R_5+C_1C_3C_4R_2R_3R_4R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_2R_1+C_2R_3+C_4R_3}\sqrt{C_1C_2C_3R_1R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5}}
K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}
K-HP: 0

K-BP: \frac{C_1C_3R_1R_2R_4R_6}{C_1C_2R_2R_4R_5+C_1C_3R_1R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_4R_2R_4R_5+C_2C_3R_2R_4R_5}}
Qz: None
Wz: None
```

8.343 X-INVALID-NUMER-343 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_4R_2R_3R_4 + C_1C_3C_5R_2R_3R_4\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}$$

```
wo: \sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}
                                                                                                                                                                                                                                                                                                                                 \sqrt{C_1R_2 + C_1R_4 + C_3R_4} (C_1C_2R_2R_4 + C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4) \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_3C_3R_2R_3R_4 + C_1C_3C_5R_2R_3R_4}} \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_3R_2R_3 + C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_4}}{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_
                 \frac{\text{bandwidth:}}{\sqrt{C_{1}C_{2}\sqrt{C_{3}R_{1}\sqrt{R_{2}}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} + \sqrt{C_{1}C_{2}\sqrt{C_{3}\sqrt{R_{2}}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} + \sqrt{C_{1}\sqrt{C_{2}\sqrt{C_{3}\sqrt{R_{2}}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} + \sqrt{C_{1}\sqrt{C_{2}\sqrt{C_{3}\sqrt{R_{2}}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} + \sqrt{C_{1}\sqrt{C_{2}\sqrt{C_{3}\sqrt{R_{2}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - \sqrt{C_{1}\sqrt{C_{3}C_{4}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} 
                 K-LP: 0
                K-HP: \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}
                 \text{K-BP: } \frac{C_3C_5R_2R_4R_6}{C_1C_2R_2R_4+C_1C_3R_1R_4+C_1C_3R_2R_3+C_1C_3R_2R_4+C_1C_3R_3R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_2C_3R_2R_4} 
                    Qz: None
                  Wz: None
8.344 X-INVALID-NUMER-344 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4
H(s) = \frac{1133311247 + 3333247}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_1R_2R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_3R_4 + C_1C
      Parameters:
                  Q: \frac{\sqrt{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}\sqrt{C_{3}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{3}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{
                 wo: \sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}
                                                                                                                                                                                                                                                                                                                                \sqrt{C_1R_2 + C_1R_4 + C_3R_4} (C_1C_2R_2R_4 + C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4) \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_4 + C_1C_3C_5R_4 + C_1C_5R_4R_4 + C_1C_3C_5R_4R_4 + C_1C_5R_4R_4 + C_1C_5R_5R_4 + C_1C_5R_5R_4 + C_1C_5R_5R_4 + C_1C_5R_5R_4 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5 +
                 K-LP: \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}
                \text{K-BP:} \quad \frac{C_1C_3C_5R_1R_2R_4}{C_1C_2C_6R_2R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_2R
                    Qz: None
                  Wz: None
8.345 X-INVALID-NUMER-345 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4
                                                                                                                                                                                                                                                                                                                 H(s) = \frac{C_5 C_6 R_1 R_2 R_4 R_5 + C_5 R_1 R_2 R_4}{-C_1 C_5 C_6 R_1 R_2 R_3 R_4 s^2 + C_6 R_1 R_4 + C_6 R_2 R_4 + C_6 R_2 R_4 + C_6 R_3 R_4 + s \left(C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_3 R_4 - C_5 C_6 R_2 R_3 R_4\right)}
       Parameters:
                                             \frac{i\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4} \frac{\sqrt{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}
                 bandwidth: \frac{i\sqrt{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}(C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4)}{C_1C_5R_1R_2R_3R_4\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}
               K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}
                K-BP: \frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4-C_5R_2R_3R_4}
                    Qz: None
                  Wz: None
8.346 X-INVALID-NUMER-346 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4
H(s) = \frac{1}{C_{6}R_{1}R_{4} + C_{6}R_{2}R_{3} + C_{6}R_{2}R_{4} + C_{6}R_{3}R_{4} + s^{2}\left(-C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3} + C_{1}C_{5}C_{
       Parameters:
                  Q: \frac{-\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}R_2R_3R_4\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_5+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R_3R_4+R_2R_4+R_3R_4}\sqrt{\frac{1}{-R_2R
                  Wo: \sqrt{\frac{-R_1R_4 - R_2R_3 - R_2R_4 - R_3R_4}{C_1C_5R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_5 - C_1C_5R_1R_2R_4R_5 - C_1C_5R_1R_3R_4R_5}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \sqrt{\frac{-R_1R_4-R_2R_3-R_2R_4-R_3R_4}{C_1C_5R_1R_2R_3R_4-C_1C_5R_1R_2R_3R_5-C_1C_5R_1R_2R_4R_5-C_1C_5R_1R_3R_4R_5}}(C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5)
                                                                                      K-LP: \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4}
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 $\frac{\sqrt{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}\sqrt{C_{3}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{4}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{4}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1}R_{4}+C_{1$

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K-HP: 0
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 $\text{K-BP:} \ \frac{C_5 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5 }$

Qz: None

Wz: None

8.347 X-INVALID-NUMER-347 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_4 R_5 R_6 s + R_1 R_2 R_4 R_6}{-C_1 C_5 R_1 R_2 R_3 R_4 R_5 s^2 + R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + s \left(-C_1 R_1 R_2 R_3 R_4 + C_1 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_4 R_5 + C_1 R_1 R_2 R_4 R_5 - C_5 R_2 R_3 R_4 R_5\right)}$

Parameters:

 $\begin{array}{l} \text{Q:} \ \, \frac{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_1}R_4R_5 + R_2R_3R_4 - R_2R_3R_5 - R_2R_4R_5 - R_3R_4R_5}{C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1R_1R_3R_4R_5 + C_5R_2R_3R_4R_5}\\ \text{wo:} \ \, \frac{\sqrt{-R_1}R_4R_5 + R_2R_3R_4 - R_2R_3R_5 - R_2R_4R_5 - R_3R_4R_5}}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}\\ \text{bandwidth:} \ \, \frac{C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1R_1R_3R_4R_5 + C_5R_2R_3R_4R_5}{C_1C_5R_1R_2R_3R_4R_5}\\ - C_1C_5R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4R_5} \end{array}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

K-BP: $-\frac{C_5R_1R_2R_4R_5R_6}{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5+C_5R_2R_3R_4R_5}$ Qz: None

Wz: None

8.348 X-INVALID-NUMER-348 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_6s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_1C_4C_6R_1R_2R_3 - C_1C_5C_6R_1R_2R_3\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_1R_1R_2+C_1R_1R_3+C_4R_2R_3-C_5R_2R_3} \\ \text{wo: } \sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_4R_1R_2R_3-C_1C_5R_1R_2R_3}} \\ \text{bandwidth: } \frac{\sqrt{R_1+R_2+R_3}(C_1R_1R_2+C_1R_1R_3+C_4R_2R_3-C_5R_2R_3)\sqrt{\frac{1}{C_1C_4R_1R_2R_3-C_1C_5R_1R_2R_3}}}{\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_4-C_5}}} \\ \text{c. 1.5.} \quad \mathcal{O}_{R_1}^{R_1R_2} = \mathcal{O}_{R_2}^{R_1R_2} = \mathcal{O}_{R_1}^{R_1R_2} = \mathcal{O}_$ K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0 K-BP: $\frac{C_5R_1R_2R_6}{C_1R_1R_2+C_1R_1R_3+C_4R_2R_3-C_5R_2R_3}$ Qz: None

Wz: None

8.349 X-INVALID-NUMER-349 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_5R_1R_2R_5R_6s + R_1R_2R_6}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_1C_4R_1R_2R_3R_5 - C_1C_5R_1R_2R_3R_5\right) + s\left(-C_1R_1R_2R_3 + C_1R_1R_2R_5 + C_1R_1R_3R_5 + C_4R_2R_3R_5 - C_5R_2R_3R_5\right)}$

Parameters:

Q:
$$\frac{-\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_4-C_5}} - \frac{R_2R_3}{C_4-C_5} + \frac{R_2R_5}{C_4-C_5} + \frac{R_3R_5}{C_4-C_5}}{C_1R_1R_2}R_3 - C_1R_1R_2R_5 - C_1R_1R_3R_5 - C_4R_2R_3R_5 + C_5R_2R_3R_5} + \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_4-C_5}} - \frac{R_2R_3}{C_4-C_5} + \frac{R_2R_5}{C_4-C_5}} + \frac{R_3R_5}{C_4-C_5}}{\frac{C_1R_1R_2}{C_4-C_5}}R_3R_5 - C_4R_2R_3R_5 + C_5R_2R_3R_5}$$

 $\text{bandwidth: } \frac{\sqrt{\frac{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5}{C_1C_4R_1R_2R_3R_5 - C_1C_5R_1R_2R_3R_5}}(C_1R_1R_2R_3 - C_1R_1R_2R_5 - C_1R_1R_3R_5 - C_4R_2R_3R_5 + C_5R_2R_3R_5)}{-\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_4 - C_5} - \frac{R_2R_3}{C_4 - C_5} + \frac{R_2R_5}{C_4 - C_5} + \frac{R_3R_5}{C_4 - C_5}}} + \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_4 - C_5} - \frac{R_2R_3}{C_4 - C_5} + \frac{R_3R_5}{C_4 - C_5}}} + \frac{R_3R_5}{C_4 - C_5}$

K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0

K-BP: $-\frac{C_5R_1R_2R_5R_6}{C_1R_1R_2R_3 - C_1R_1R_2R_5 - C_1R_1R_3R_5 - C_4R_2R_3R_5 + C_5R_2R_3R_5}$

Qz: None Wz: None

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8.350 X-INVALID-NUMER-350 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
```

 $C_4R_1R_2R_4R_6s + R_1R_2R_6$ $H(s) = \frac{c_4R_1R_2R_4R_5 + R_1R_2R_5}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(-C_1C_4R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_5 + C_1C_4R_1R_2R_4R_5 + C_1C_4R_1R_2R_3 + C_1R_1R_2R_5 + C_1R_1R_3R_5 + C_4R_1R_4R_5 - C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_4R_5 + C_4R_3R_4R_5\right)}$

Parameters:

 $Q: \frac{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}R_2R_3R_4\sqrt{\frac{R_1R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{R_1}R_2R_3R_4\sqrt{\frac{R_1R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_4}\sqrt{R_1}R_2R_3R_5\sqrt{\frac{R_1R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{R_1}R_2R_3R_5\sqrt{\frac{R_1R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_4}\sqrt{R_1}R_2R_3R_5\sqrt{\frac{R_1R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_4}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_1}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_1}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_1}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_1}\sqrt{C_1}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_5}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_1}\sqrt{R_1}R_2R_3R_5+\frac{R_2R_5}{-R_2R_3R_4+R_2R_$

K-BP: $-\frac{C_4R_1R_2R_4R_6}{C_1R_1R_2R_3-C_1R_1R_2R_5-C_1R_1R_3R_5-C_4R_1R_4R_5+C_4R_2R_3R_4-C_4R_2R_3R_5-C_4R_2R_4R_5-C_4R_3R_4R_5}$ Qz: None

Wz: None

8.351 X-INVALID-NUMER-351 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4$ $H(s) = \frac{C_{6}R_{1}R_{4} + C_{6}R_{2}R_{3} + C_{6}R_{2}R_{4} + C_{6}R_{3}R_{4} + s^{2}\left(C_{1}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4} - C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}\right) + s\left(C_{1}C_{6}R_{1}R_{2}R_{3} + C_{1}C_{6}R_{1}R_{2}R_{4} + C_{1}C_{6}R_{1}R_{3}R_{4} + C_{4}C_{6}R_{2}R_{3}R_{4} - C_{5}C_{6}R_{2}R_{3}R_{4}\right)}$

Parameters:

 $Q: \frac{\sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4}}$ wo: $\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_4-C_5}}$ $\text{bandwidth: } \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_4 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_4 - C_5}}}$ K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4}$ Qz: None Wz: None

8.352 X-INVALID-NUMER-352 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $C_5 R_1 R_2 R_4 R_5 R_6 s + R_1 R_2 R_4 R_6$ $H(s) = \frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + S^2\left(C_1C_4R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4 + C_1R_1R_2R_3R_5 + C_1R_1R_2R_3R_5 + C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_5 + C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_$

Parameters:

 $\text{wo: } \sqrt{\frac{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_1C_4R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4R_5}} \\ \text{bandwidth: } \frac{\sqrt{\frac{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_1C_4R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4}} (C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1R_1R_3R_4R_5 - C_4R_2R_3R_4R_5 + C_5R_2R_3R_4R_5)}{-\sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_4 - C_5} - \frac{R_2R_3R_5}{C_4 - C_5} + \frac{R_2R_3R_5}{C_4 - C_5} + \frac{R_2R_4R_5}{C_4 - C_5} + \frac{R_2R_4R$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

K-BP: $-\frac{C_5R_1R_2R_4R_5R_6}{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_4R_2R_3R_4R_5+C_5R_2R_3R_4R_5}$ Qz: None

8.353 X-INVALID-NUMER-353
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{C_1C_3C_6R_1R_2R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5$$

 $\begin{array}{l} Q\colon -\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_2}R_4+R_2R_5+R_4R_5}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}\\ \text{wo: } \frac{\sqrt{-R_2}R_4+R_2R_5+R_4R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}\\ \text{bandwidth: } -\frac{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}{C_1C_3R_1R_2R_4R_5}\\ \text{K-LP: } -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}\\ \text{K-HP: } 0\\ \text{K-BP: } -\frac{C_3R_1R_2R_4}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_2R_4R_5}\\ \text{Qz: None} \end{array}$

8.354 X-INVALID-NUMER-354 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_1C_3C_6R_1R_2R_4 - C_1C_5C_6R_1R_2R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

Parameters:

Wz: None

 $Q\colon \frac{\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3-C_5}}}{C_1R_1R_2+C_1R_1R_4+C_3R_1R_4+C_3R_2R_4-C_5R_2R_4}\\ \text{wo: } \sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_3R_1R_2R_4-C_1C_5R_1R_2R_4}}\\ \text{bandwidth: } \frac{\sqrt{R_2+R_4}(C_1R_1R_2+C_1R_1R_4+C_3R_1R_4+C_3R_2R_4-C_5R_2R_4)\sqrt{\frac{1}{C_1C_3R_1R_2R_4-C_1C_5R_1R_2R_4}}}{\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3-C_5}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_3C_5R_6}{C_1C_3-C_1C_5}\\ \text{K-BP: } \frac{C_3C_5R_1R_2R_4}{C_1C_6R_1R_2+C_1C_6R_1R_4+C_3C_6R_2R_4-C_5C_6R_2R_4}}\\ \text{Qz: None}\\ \text{Wz: None}$

8.355 X-INVALID-NUMER-355 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_1C_3R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5\right) + s\left(-C_1R_1R_2R_4 + C_1R_1R_2R_5 + C_1R_1R_4R_5 + C_3R_1R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

Parameters:

 $Q\colon \frac{-\sqrt{C_{1}}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{3}-C_{5}}} + \frac{R_{2}R_{5}}{C_{3}-C_{5}} + \frac{R_{4}R_{5}}{C_{3}-C_{5}}} + \sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{3}-C_{5}}} + \frac{R_{4}R_{5}}{C_{3}-C_{5}}}}{\frac{C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}+C_{5}R_{2}R_{4}R_{5}}}{\sqrt{C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}}}}$ $\text{bandwidth:} \frac{\sqrt{\frac{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}}}}{\sqrt{C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}}}} (C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}+C_{5}R_{2}R_{4}R_{5}}}$ $\text{bandwidth:} \frac{\sqrt{\frac{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}}}{\sqrt{C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}}} (C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}$

8.356 X-INVALID-NUMER-356 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_3C_6R_1R_2R_4R_5 - C_1C_5C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5\right)}$$

```
Q\colon \frac{-\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}}{C_1R_1R_2R_4-C_1R_1R_2}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}+\sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}}}{V\circ \cdot \sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_5R_1R_2R_4R_5}}}}
bandwidth: \frac{\sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_3R_1R_2R_4R_5-C_1C_5R_1R_2R_4R_5}}}{\sqrt{C_1C_3R_1R_2R_4R_5-C_1C_5R_1R_2R_4R_5}}(C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5+C_5R_2R_4R_5)}}{-\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}}}+\sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}}}
K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}}{C_1C_6R_1R_2R_5-C_1C_6R_1R_4R_5-C_3C_6R_1R_4R_5-C_3C_6R_2R_4R_5+C_5C_6R_2R_4R_5}}
K-BP: -\frac{C_3C_5R_1R_2R_4R_5}{C_1C_6R_1R_2R_4-C_1C_6R_1R_4R_5-C_3C_6R_1R_4R_5-C_3C_6R_2R_4R_5+C_5C_6R_2R_4R_5}}{C_2: None}
Wz: None
```

8.357 X-INVALID-NUMER-357 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_2R_6s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^2\left(C_1C_3C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5\right) + s\left(-C_1C_6R_1R_2 + C_1C_6R_1R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5\right)}$$

Parameters:

 $\begin{array}{l} \mathrm{Q:} -\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{-R_2+R_5}}{C_1R_1R_2-C_1R_1R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}\\ \mathrm{wo:} \ \frac{\sqrt{-R_2+R_5}}{\sqrt{C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5}}\\ \mathrm{bandwidth:} \ -\frac{C_1R_1R_2-C_1R_1R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5}}\\ \mathrm{K-LP:} \ -\frac{C_3R_1R_2}{C_6R_2-C_6R_5}\\ \mathrm{K-HP:} \ 0\\ \mathrm{K-BP:} \ -\frac{C_3R_1R_2}{C_1R_1R_2-C_1R_1R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5}\\ \mathrm{Qz:} \ \mathrm{None}\\ \mathrm{Wz:} \ \mathrm{None} \end{array}$

8.358 X-INVALID-NUMER-358 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^2\left(C_1C_3C_6R_1R_2 + C_1C_4C_6R_1R_2 - C_1C_5C_6R_1R_2\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2\right)}$$

Parameters:

8.359 X-INVALID-NUMER-359
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^2\left(C_1C_3R_1R_2R_5 + C_1C_4R_1R_2R_5 - C_1C_5R_1R_2R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5 - C_5R_2R_5\right)}$$

$$Q \colon \frac{-\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} - \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{-\frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}}}{\frac{C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}+C_{1}C_{4}R_{1}R_{2}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{5}}}} \\ \text{wo: } \sqrt{\frac{-R_{2}+R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}+C_{1}C_{4}R_{1}R_{2}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{5}}}{\sqrt{\frac{-R_{2}+R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}+C_{1}C_{4}R_{1}R_{2}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{5}}}}} (C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5}})} \\ \text{bandwidth: } \frac{\sqrt{\frac{-R_{2}+R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}+C_{1}C_{4}R_{1}R_{2}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{5}}}}{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}}} (C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5}})} \\ \times -\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}}} -\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}} + \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{5}}{C_{3}+C_{4}-C_{5}$$

K-HP: $\frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}$

K-BP: $-\frac{C_{1}R_{1}R_{2}-C_{1}C_{5}}{C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5}}{C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5}}$

Qz: None Wz: None

8.360 X-INVALID-NUMER-360 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_5s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^2\left(C_1C_3C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5 - C_1C_5C_6R_1R_2R_5\right) + s\left(-C_1C_6R_1R_2 + C_1C_6R_1R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$

Parameters:

 $\text{bandwidth: } \frac{\sqrt{\frac{-R_2+R_5}{C_1C_3R_1R_2R_5+C_1C_4R_1R_2}R_5 - C_1C_5R_1R_2R_5}}{\sqrt{\frac{-R_2+R_5}{C_1C_3R_1R_2R_5+C_1C_4R_1R_2}R_5 - C_1C_5R_1R_2R_5}} (C_1R_1R_2 - C_1R_1R_5 - C_3R_1R_5 - C_3R_2R_5 - C_4R_2R_5 + C_5R_2R_5)}{-\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3+C_4-C_5}} + \frac{R_5}{C_3+C_4-C_5}} - \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3+C_4-C_5}} + \frac{R_5}{C_3+C_4-C_5}} + \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3+C_4-C_5}} + \frac{R_5}{C_3+C_4-C_5}}$

K-HP: 0

K-BP: $-\frac{C_3C_5R_1R_2R_5}{C_1C_6R_1R_2-C_1C_6R_1R_5-C_3C_6R_1R_5-C_3C_6R_2R_5-C_4C_6R_2R_5+C_5C_6R_2R_5}$ Qz: None

Wz: None

8.361 X-INVALID-NUMER-361 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_3C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5\right)}$

Parameters:

Q: $-\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_1C_2R_2R_3R_3R_3R_4+R_2R_5+R_4R_5}}$

wo: $\frac{\sqrt{-R_2R_4 + R_2R_5 + R_4R_5}}{\sqrt{C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4R_5}}$ bandwidth: $-\frac{C_1R_1R_2R_4 - C_1R_1R_2R_5 - C_1R_1R_4R_5 - C_3R_1R_4R_5 - C_3R_2R_4R_5}{\sqrt{C_1\sqrt{R_1\sqrt{R_2\sqrt{R_4\sqrt{R_5\sqrt{C_3+C_4\sqrt{C_1C_3R_1R_2R_4R_5} + C_1C_4R}}}}}$ K-LP: $-\frac{C_3R_1R_2R_4}{C_6R_2R_4 - C_6R_2R_5 - C_6R_4R_5}$

 $\text{K-BP:} - \frac{C_3 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_4 - C_1 R_1 R_2 R_5 - C_1 R_1 R_4 R_5 - C_3 R_1 R_4 R_5 - C_3 R_2 R_4 R_5 - C_4 R_2 R_4 R_5}$

Qz: None Wz: None

8.362 X-INVALID-NUMER-362 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s$ $H(s) = \frac{C_3C_5C_6R_1R_2R_4C_6S_7 + C_3C_5R_1R_2R_4C_6S_7 + C_3C_5R_1R_2R_4C_5R_5R_5C_5R_5R_5C_5R_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5R_5C_5R_5C_5R_5R_5C_5R_5C_5R_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5R_5C_5R$

Parameters:

 $Q: \frac{\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_1R_2+C_1R_1R_4+C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4}$

 $\sqrt{R_2 + R_4} (C_1 R_1 R_2 + C_1 R_1 R_4 + C_3 R_1 R_4 + C_3 R_2 R_4 + C_4 R_2 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_1 C_3 R_1 R_2 R_4 + C_1 C_4 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4}}$

bandwidth: $\frac{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}$

K-LP: 0

K-HP: $\frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}$

K-BP: $\frac{C_3C_5R_1R_2R_4}{C_1C_6R_1R_2+C_1C_6R_1R_4+C_3C_6R_1R_4+C_3C_6R_2R_4+C_4C_6R_2R_4-C_5C_6R_2R_4}$ Qz: None

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8.363 X-INVALID-NUMER-363 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)
```

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5\right) + s\left(-C_1R_1R_2R_4 + C_1R_1R_2R_5 + C_1R_1R_4R_5 + C_3R_1R_4R_5 + C_3R_2R_4R_5 + C_4R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

 $Q: \frac{-\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3+C_4}} + \frac{R_2}{C_3+C_4} + \frac{R_2}{C_3+C_4} - C_5}{C_1R_1R_2R_4 - C_5} - \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3+C_4}} + \frac{R_2}{C_3+C_4} + \frac{R_2}{C_3+C_4} - C_5}{C_3+C_4-C_5} + \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3+C_4}} + \frac{R_2}{C_3+C_4} + \frac{R_2}{C_3+C_4} - C_5}}{C_3+C_4-C_5} \\ \text{wo: } \sqrt{\frac{-R_2}{C_1}R_4R_5 - C_1R_1R_2R_5 - C_1R_1R_4R_5 - C_3R_1R_4R_5 - C_3R_2R_4R_5 - C_4R_2R_4R_5 + C_5R_2R_4R_5}{C_1C_3R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5}}} \\ \text{bandwidth: } \frac{\sqrt{C_1C_3R_1R_2R_4R_5 + C_1C_5R_1R_2R_4R_5}}{\sqrt{C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4R_5 + C_1C_5R_1R_2R_4R_5}}(C_1R_1R_2R_4 - C_1R_1R_2R_5 - C_1R_1R_4R_5 - C_3R_1R_4R_5 - C_3R_2R_4R_5 - C_4R_2R_4R_5 + C_5R_2R_4R_5}) \\ \text{bandwidth: } \frac{\sqrt{C_1C_3R_1R_2R_4R_5 + C_1C_5R_1R_2R_4R_5}}{\sqrt{C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4 + C_1C_5R_1R_2R_4R_5}}(C_1R_1R_2R_4 - C_1R_1R_2R_5 - C_1R_1R_4R_5 - C_3R_1R_4R_5 - C_3R_2R_4R_5 - C_4R_2R_4R_5 + C_5R_2R_4R_5}) \\ \text{bandwidth: } \frac{\sqrt{C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5}}{\sqrt{C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4 - C_1R_1R_2R_5 - C_1R_1R_4R_5 - C_3R_1R_4R_5 - C_3R_2R_4R_5 - C_4R_2R_4R_5 + C_5R_2R_4R_5}}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2}{R_4}R_5 + C_4R_2R_4R_5 + C_5R_2R_4R_5}}}}(C_1R_1R_2R_4 - C_1R_1R_2R_5 - C_1R_1R_4R_5 - C_3R_1R_4R_5 - C_3R_2R_4R_5 - C_4R_2R_4R_5 + C_5R_2R_4R_5}) \\ \text{bandwidth: } \frac{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2}{R_4}R_5 - C_4R_2R_4R_5 - C_4R_2R_4R$

8.364 X-INVALID-NUMER-364 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_3C_6R_1R_2R_4R_5 + C_1C_6C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$

Parameters:

```
 Q: \frac{-\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3+C_4-C_5}} + \frac{R_2R_5}{C_3+C_4-C_5} + \frac{R_4R_5}{C_3+C_4-C_5}}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5} + \frac{R_2R_5}{C_3+C_4-C_5} + \frac{R_4R_5}{C_3+C_4-C_5} + \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3+C_4-C_5}} + \frac{R_2R_5}{C_3+C_4-C_5}} - \frac{R_4R_5}{C_3+C_4-C_5} + \frac{R_4R_5}{C_3+C_4-C_5}}{C_3+C_4-C_5} + \frac{R_4R_5}{C_3+C_4-C_5} + \frac{R_4R_5}{C
```

8.365 X-INVALID-NUMER-365 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(-C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_3R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3$

Parameters:

 $Q: \frac{\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{4}\sqrt{-\frac{R_{2}R_{3}}{R_{2}}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5} + \frac{R_{2}R_{5}}{R_{2}}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5} + \frac{R_{2}R_{5}}{R_{2}}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5} - C_{1}C_{3}R_{1}R_{3}R_{4}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5} - C_{1}C_{3}R_{1}R_{3}R_{4}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5} - C_{1}C_{3}R_{1}R_{3}R_{5}} - \sqrt{C_{1}}\sqrt{C_{3}}\sqrt{R_{1}}R_{2}R_{3}R_{5} - C_{1}C_{3}R_{1}R_{2}R_{3}R_{5} - C_{1}C_{3}R_{1}$

K-BP: $-\frac{C_3R_1R_2R_4R_6}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5+C_3R_2R_3R_4-C_3R_2R_3R_5-C_3R_2R_4R_5-C_3R_3R_4R_5}$ Qz: None

8.366 X-INVALID-NUMER-366
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6}{C_1C_3R_1R_2R_3R_4R_5s^2 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(-C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_5 + C_1R_1R_2R_4R_5 + C_1R_1R_3R_4R_5 + C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5\right)}$$

 $\begin{array}{l} Q \colon -\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1}R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1}R_1R_3R_4R_5 - C_3R_1R_3R_4R_5 - C_3R_2R_3R_4R_5} \\ wo \colon \frac{\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}} \\ \text{bandwidth: } -\frac{C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1R_1R_3R_4R_5 - C_3R_1R_3R_4R_5 - C_3R_2R_3R_4R_5}{C_1C_3R_1R_2R_3R_4R_5}} \\ \text{K-LP: } \frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}} \\ \text{K-HP: } 0 \end{array}$

Qz: None Wz: None

8.367 X-INVALID-NUMER-367 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4\right) + s\left(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4\right)}$$

Parameters:

 $Q\colon \frac{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3-C_5}}}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_3R_1R_3R_4+C_5R_2R_3R_4}\\ \text{wo: } \sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4-C_1C_5R_1R_2R_3R_4}}\\ \text{bandwidth: } \frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}(C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_3R_1R_3R_4+C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4-C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3-C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}\sqrt{\frac{1}{C_3-C_5}}}}\\ \text{K-LP: 0}\\ \text{K-HP: } \frac{C_3C_5R_6}{C_1C_3-C_1C_5}\\ \text{K-BP: } \frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_3R_2R_3R_4-C_5R_2R_3R_4}}{C_3R_1R_3R_4+C_3R_2R_3R_4-C_5R_2R_3R_4}}\\ \text{Qz: None}\\ \text{Wz: None}$

8.368 X-INVALID-NUMER-368 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_3C_6R_1R_2R_3R_4 - C_1C_5C_6R_1R_2R_3R_4\right) + s\left(C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

Parameters:

 $Q\colon \frac{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}}}{C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 + C_5R_2R_3R_4}\\ \text{wo: } \sqrt{R_1R_4 + R_2R_3} + R_2R_4 + R_3R_4\sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4} - C_1C_5R_1R_2R_3R_4}}\\ \text{bandwidth: } \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4} - C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}}}}\\ \text{K-LP: } \frac{C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4}}\\ \text{K-HP: 0}\\ \text{K-BP: } \frac{C_3C_5R_1R_2R_3R_4}{C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_3C_6R_1R_3R_4 + C_5C_6R_2R_3R_4}}\\ \text{Qz: None}\\ \text{Wz: None}$

8.369 X-INVALID-NUMER-369 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, R_6\right)$

$$H(s) = \frac{C_3R_1R_2R_3R_6s + R_1R_2R_6}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_1C_3R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5\right) + s\left(-C_1R_1R_2R_3 + C_1R_1R_2R_5 + C_1R_1R_3R_5 + C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_5\right)}$$

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 \begin{array}{c} & \frac{1}{\sqrt{1-C_3}\sqrt{1-C_3}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_3}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_3}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_3}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_3}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_3}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_3}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_3}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_3}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}} \frac{1}{\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1-C_4}\sqrt{1
                   K-BP: -\frac{C_3R_1R_2R_3R_6}{C_1R_1R_2R_3-C_1R_1R_2R_5-C_1R_1R_3R_5-C_3R_1R_3R_5-C_3R_2R_3R_5-C_4R_2R_3R_5} Qz: None
                     Wz: None
8.370 X-INVALID-NUMER-370 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                  H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^2\left(C_1C_3R_1R_2R_3 + C_1C_4R_1R_2R_3 - C_1C_5R_1R_2R_3\right) + s\left(C_1R_1R_2 + C_1R_1R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3\right)}
         Parameters:
                         Q \colon \frac{\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_1R_2+C_1R_1R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}
                   \text{wo: } \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_1 C_3 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3}} \\ \text{bandwidth: } \frac{\sqrt{R_1 + R_2 + R_3} (C_1 R_1 R_2 + C_1 R_1 R_3 + C_3 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3) \sqrt{\frac{1}{C_1 C_3 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3}}}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} - \sqrt{C_1 C_5 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \frac{1}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} - \sqrt{C_1 C_5 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \frac{1}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\ \frac{1}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\ \frac{1}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\ \frac{1}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\ \frac{1}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\ \frac{1}{\sqrt{C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1 C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}}} 
                  K-HP: \frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5} K-BP: \frac{C_5R_1R_2R_6}{C_1R_1R_2+C_1R_1R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3} Qz: None
                     Wz: None
8.371 X-INVALID-NUMER-371 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_3C_5R_1R_2R_3s + C_5R_1R_2
                                                                                                                                                                                                                                                                      H(s) = \frac{C_3C_5R_1R_2R_3s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_1C_3C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 - C_1C_5C_6R_1R_2R_3\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_3 + C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}
           Parameters:
                  Q \colon \frac{\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_1R_2+C_1R_1R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}\\ \text{wo: } \sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_3R_1R_2R_3+C_1C_4R_1R_2R_3-C_1C_5R_1R_2R_3}}\\ \text{bandwidth: } \frac{\sqrt{R_1+R_2+R_3}(C_1R_1R_2+C_1R_1R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3)\sqrt{\frac{1}{C_1C_3R_1R_2R_3+C_1C_4R_1R_2R_3-C_1C_5R_1R_2R_3}}}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}\\ \text{bandwidth: } \frac{C_1R_1R_2}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}\\ \text{bandwidth: } \frac{C_1R_1R_2}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}\\ \text{bandwidth: } \frac{C_1R_1R_2}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}\\ \text{bandwidth: } \frac{C_1R_1R_2}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}} + \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}} - \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3+C_4-C_5}}}
                   K-LP: \frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}
K-HP: 0
                     K-BP: \frac{C_3C_5R_1R_2R_3}{C_1C_6R_1R_2+C_1C_6R_1R_3+C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3-C_5C_6R_2R_3} Qz: None
                      Wz: None
8.372 X-INVALID-NUMER-372 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6
                                                                                          H(s) = \frac{C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s^2\left(C_1C_3R_1R_2R_3R_4R_5 + C_1C_4R_1R_2R_3R_4 + C_1R_1R_2R_3R_5 + C_1R_1R_2R_3R_4 +
         Parameters:
                 \begin{array}{l} Q\colon -\frac{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_3R_1R_3R_4R_5-C_3R_2R_3R_4R_5-C_4R_2R_3R_4+R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}\\ wo: & \frac{\sqrt{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_1C_3R_1R_2R_3R_4R_5+C_1C_4R_1R_3R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_3R_1R_3R_4R_5-C_3R_2R_3R_4R_5-C_4R_2R_3R_4R_5}}\\ bandwidth: & -\frac{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_3R_1R_3R_4R_5-C_3R_2R_3R_4R_5-C_4R_2R_3R_4R_5}}{\sqrt{C_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3+C_4}\sqrt{C_1C_3R_1R_2R_3R_4R_5+C_1C_4R_1R_2R_3R_4R_5}}}\\ K\text{-LP:} & \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}\\ K\text{-HP:} & 0 \end{array}
                    \text{K-BP:} - \frac{C_3 R_1 R_2 R_3 R_4 R_6}{C_1 R_1 R_2 R_3 R_4 - C_1 R_1 R_2 R_3 R_5 - C_1 R_1 R_2 R_4 R_5 - C_1 R_1 R_3 R_4 R_5 - C_3 R_1 R_3 R_4 R_5 - C_3 R_2 R_3 R_4 R_5 - C_4 R_2 R_3 R_4 R_5}
```

```
Qz: None
Wz: None
```

```
8.373 X-INVALID-NUMER-373 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)
```

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4\right) + s\left(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4\right)}$

Parameters:

 $Q: \frac{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}}{\frac{C_{1}R_{1}R_{2}R_{3}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4}}{\sqrt{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{4}R_{1}R_{2}R_{3}+C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}}}}}}$ $\text{wo: } \sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}}{\sqrt{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}}}}}}$ $\text{bandwidth: } \frac{\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}}{\sqrt{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}}}}}}{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}}}}$

K-LP: 0

K-HP: $\frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}$

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_3R_1R_3R_4+C_3R_2R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4} \\ \text{Qz: None}$

Wz: None

8.374 X-INVALID-NUMER-374 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_3C_6R_1R_2R_3R_4 + C_1C_6C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}{C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{3}R_{2}R_{3}R_{4}+C_{4}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4}}$

 $\text{wo: } \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} (C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4) \sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}} \sqrt{\frac{1}{C_3 + C_4 - C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{$

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

 $\text{K-BP: } \frac{C_3C_5R_1R_2R_3R_4}{C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4}$

Qz: None Wz: None

8.375 X-INVALID-NUMER-375 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_4R_6s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_3R_4 - C_1C_5C_6R_1R_3R_4\right) + s\left(C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_4 + C_2C_6R_3R_4 - C_5C_6R_3R_4\right)}$

Parameters:

$$Q \colon \frac{\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}-\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2-C_5}}}{\underbrace{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4-C_5R_3R_4}}$$

wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4}}$ bandwidth: $\frac{\sqrt{R_3 + R_4} (C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4}}}{\sqrt{C_1} C_2 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 - C_5}} - \sqrt{C_1} C_5 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 - C_5}}}$

K-LP: $\frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}$ K-HP: 0

K-BP: $\frac{C_5R_1R_4R_6}{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4-C_5R_3R_4}$ Qz: None

8.376 X-INVALID-NUMER-376
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_5 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_1 C_2 R_1 R_3 R_4 R_5 - C_1 C_5 R_1 R_3 R_4 R_5\right) + s \left(-C_1 R_1 R_3 R_4 + C_1 R_1 R_3 R_5 + C_1 R_1 R_4 R_5 + C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 - C_5 R_3 R_4 R_5\right)}$$

$$Q \colon \frac{-\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_2-C_5}+\frac{R_3R_5}{C_2-C_5}+\frac{R_4R_5}{C_2-C_5}} + \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_2-C_5}+\frac{R_3R_5}{C_2-C_5}+\frac{R_4R_5}{C_2-C_5}} }{C_1R_1R_3R_4-C_1R_1R_3R_5-C_1R_1R_4R_5-C_2R_1R_4R_5-C_2R_3R_4R_5+C_5R_3R_4R_5} \\ \text{wo: } \sqrt{\frac{-R_3R_4+R_3R_5+R_4R_5}{C_1C_2R_1R_3R_4R_5-C_1C_5R_1R_3R_4R_5}} \\ \text{bandwidth: } \frac{\sqrt{\frac{-R_3R_4+R_3R_5+R_4R_5}{C_1C_2R_1R_3R_4+R_3R_5+R_4R_5}} (C_1R_1R_3R_4-C_1R_1R_3R_5-C_1R_1R_4R_5-C_2R_1R_4R_5-C_2R_3R_4R_5+C_5R_3R_4R_5)} {-\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_2-C_5}+\frac{R_3R_4}{C_2-C_5}}} + \sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_2-C_5}+\frac{R_4R_5}{C_2-C_5}}} \\ \text{K-LP: } -\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5} \\ \text{K-HP: 0} \\ \text{K-BP: } -\frac{C_5R_1R_4R_5R_6}{C_1R_1R_3R_4-C_1R_1R_3R_5-C_1R_1R_4R_5-C_2R_3R_4R_5+C_5R_3R_4R_5}} {Q_2: \text{ None}} \\ \text{Wz: None} \\ \end{aligned}$$

8.377 X-INVALID-NUMER-377 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_1R_6s + C_5R_1}{C_6 + s^2\left(C_1C_2C_6R_1R_3 + C_1C_4C_6R_1R_3 - C_1C_5C_6R_1R_3\right) + s\left(C_1C_6R_1 + C_2C_6R_1 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

Parameters:

$$Q\colon \frac{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}{C_{1}R_{1}+C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}\\ \text{Wo: } \sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{3}+C_{1}C_{4}R_{1}R_{3}-C_{1}C_{5}R_{1}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{1}+C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{3}+C_{1}C_{4}R_{1}R_{3}-C_{1}C_{5}R_{1}R_{3}}}}{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}\\ \text{K-LP: } \frac{C_{5}R_{1}}{C_{6}}\\ \text{K-HP: 0} \\ \text{K-BP: } \frac{C_{5}R_{1}R_{6}}{C_{1}R_{1}+C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}\\ \text{Qz: None} \\ \text{Wz: None}$$

8.378 X-INVALID-NUMER-378 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_5 R_6 s + R_1 R_6}{-R_3 + R_5 + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5 - C_1 C_5 R_1 R_3 R_5\right) + s \left(-C_1 R_1 R_3 + C_1 R_1 R_5 + C_2 R_1 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5 - C_5 R_3 R_5\right)}$$

$$Q\colon \frac{-\sqrt{C_{1}}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{2}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{2}+C_{4}-C_{5}}-\sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{2}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{2}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{2}+C_{4}-C_{5}}}}{\frac{C_{1}}{R_{1}}R_{3}-C_{1}R_{1}R_{5}-C_{2}R_{1}R_{5}-C_{2}R_{3}R_{5}-C_{4}R_{3}R_{5}+C_{5}R_{3}R_{5}}}$$
wo:
$$\sqrt{\frac{-R_{3}+R_{5}}{C_{1}C_{2}R_{1}R_{3}R_{5}+C_{1}C_{5}R_{1}R_{3}R_{5}}}{\sqrt{\frac{C_{1}C_{2}R_{1}R_{3}R_{5}-C_{1}C_{5}R_{1}R_{3}R_{5}}{C_{2}+C_{4}R_{1}R_{3}}}}}(C_{1}R_{1}R_{3}-C_{1}R_{1}R_{5}-C_{2}R_{1}R_{5}-C_{2}R_{3}R_{5}-C_{4}R_{3}R_{5}+C_{5}R_{3}R_{5}}})$$
bandwidth:
$$\frac{\sqrt{\frac{C_{1}C_{2}R_{1}R_{3}R_{5}-C_{1}C_{5}R_{1}R_{3}R_{5}}{C_{2}+C_{4}R_{1}R_{3}R_{5}-C_{1}C_{5}R_{1}R_{3}R_{5}}}(C_{1}R_{1}R_{3}-C_{1}R_{1}R_{5}-C_{2}R_{1}R_{5}-C_{2}R_{3}R_{5}-C_{4}R_{3}R_{5}+C_{5}R_{3}R_{5}})}{-\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{2}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{2}+C_{4}-C_{5}}}}-\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{2}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{2}+C_{4}-C_{5}}}}}$$

$$K-LP: -\frac{R_{1}R_{6}}{R_{3}-R_{5}}}{K-HP: 0}$$

$$K-BP: -\frac{C_{5}R_{1}R_{5}R_{6}}{C_{1}R_{1}R_{5}-C_{2}R_{1}R_{5}-C_{2}R_{3}R_{5}-C_{4}R_{3}R_{5}+C_{5}R_{3}R_{5}}}{C_{1}R_{3}R_{5}-C_{4}R_{3}R_{5}+C_{5}R_{3}R_{5}}}$$

$$Qz: None$$

$$Wz: None$$

8.379 X-INVALID-NUMER-379
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_1R_4R_6s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 - C_1C_5C_6R_1R_3R_4\right) + s\left(C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

$$Q: \frac{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}{C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+C_{2}R_{1}R_{4}+C_{2}R_{3}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{3}R_{4}}}$$

$$wo: \sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{3}R_{4}+C_{1}C_{4}R_{1}R_{3}R_{4}-C_{1}C_{5}R_{1}R_{3}R_{4}}}{\sqrt{R_{3}+R_{4}}(C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+C_{2}R_{1}R_{4}+C_{2}R_{3}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{3}R_{4}})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{3}R_{4}+C_{1}C_{5}R_{1}R_{3}R_{4}}}}$$

$$bandwidth: \frac{\sqrt{R_{3}+R_{4}}(C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+C_{2}R_{1}R_{4}+C_{2}R_{3}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{2}R_{1}R_{3}R_{4}+C_{1}C_{4}R_{1}R_{3}R_{4}-C_{1}C_{5}R_{1}R_{3}R_{4}}}}{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}}$$

$$K-LP: \frac{C_{5}R_{1}R_{4}}{C_{6}R_{3}+C_{6}R_{4}}}$$

$$K-HP: 0$$

$$K-BP: \frac{C_{5}R_{1}R_{4}}{C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+C_{2}R_{1}R_{4}+C_{2}R_{3}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{3}R_{4}}}{C_{1}R_{1}R_{3}+C_{1}R_{1}R_{4}+C_{2}R_{1}R_{4}+C_{2}R_{3}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{3}R_{4}}}$$

$$Qz: None$$

$$Wz: None$$

8.380 X-INVALID-NUMER-380 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_5 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_1 C_2 R_1 R_3 R_4 R_5 + C_1 C_4 R_1 R_3 R_4 R_5 - C_1 C_5 R_1 R_3 R_4 R_5\right) + s \left(-C_1 R_1 R_3 R_4 + C_1 R_1 R_3 R_5 + C_1 R_1 R_4 R_5 + C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 + C_4 R_3 R_4 R_5 - C_5 R_3 R_4 R_5\right)}$$

Parameters:

$$\begin{array}{l} Q: & \frac{-\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_2+C_4}+C_5} + \frac{R_3R_5}{C_2+C_4-C_5} + \frac{R_4R_5}{C_2+C_4-C_5} - \sqrt{C_1}C_4\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_2+C_4-C_5}} + \frac{R_3R_5}{C_2+C_4-C_5} + \frac{R_4R_5}{C_2+C_4-C_5} + \frac{R_4R$$

8.381 X-INVALID-NUMER-381 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

Parameters:

Q:
$$-\frac{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}$$
 wo:
$$\frac{\sqrt{-R_4+R_5}}{\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_2C_3R_1R_4R_5}}$$
 bandwidth:
$$-\frac{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_2C_3R_1R_4R_5}}$$
 K-LP:
$$-\frac{C_3R_1R_4}{C_6R_4-C_6R_5}$$
 K-HP:
$$0$$
 K-BP:
$$-\frac{C_3R_1R_4R_6}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5}$$
 Qz: None Wz: None

8.382 X-INVALID-NUMER-382 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_6 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 - C_1C_5C_6R_1R_4 + C_2C_3C_6R_1R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}$$

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 + \underbrace{\frac{C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3
                     Wo: \sqrt{\frac{1}{C_1C_2R_1R_4+C_1C_3R_1R_4-C_1C_5R_1R_4+C_2C_3R_1R_4}}
                                                                                                                                                                                                                                                                                                                                                             (C_1R_1 + C_2R_4 + C_3R_4 - C_5R_4)\sqrt{\frac{1}{C_1C_2R_1R_4 + C_1C_3R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_1R_4}}
                     \text{bandwidth: } \frac{C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C
                    K-LP: 0
                 K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} K-BP: \frac{C_3C_5R_1R_4}{C_1C_6R_1+C_2C_6R_4+C_3C_6R_4-C_5C_6R_4} Qz: None
                     Wz: None
8.383 X-INVALID-NUMER-383 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                      H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^2\left(C_1C_2R_1R_4R_5 + C_1C_3R_1R_4R_5 - C_1C_5R_1R_4R_5 + C_2C_3R_1R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 + C_2R_4R_5 + C_3R_4R_5 - C_5R_4R_5\right)}
          Parameters:
                     Q: \frac{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} -C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}
                    \frac{-R_4 + R_5}{\sqrt{C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 R_4 R_5 - C_1 C_5 R_5 - C_
                     K-LP: 0
                 K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} K-BP: -\frac{C_3R_1R_4R_6}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5+C_5R_4R_5} Qz: None
                        Wz: None
8.384 X-INVALID-NUMER-384 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_3C_5R_1R_4R_5s + C_3R_1R_4
                                                                                                                                                                                                                                                         H(s) = \frac{-3 \cdot 5 \cdot 1 \cdot 1 \cdot 1 \cdot 1 \cdot 2 \cdot 1}{-C_6 R_4 + C_6 R_5 + s^2 \left(C_1 C_2 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 - C_1 C_5 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_4 + C_1 C_6 R_1 R_5 + C_2 C_6 R_4 R_5 + C_3 C_6 R_4 R_5 - C_5 C_6 R_4 R_5\right)}
          Parameters:
                     Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + \frac{R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} - C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_3-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_
                    Wo: \sqrt{\frac{-R_4 + R_5}{C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 - C_1 C_5 R_1 R_4 R_5 + C_2 C_3 R_1 R_4 R_5}}
                    \frac{-R_4 + R_5}{\sqrt{C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 - C_1 C_5 R_1 R_4 R_5 - C_1 C_1 R_4 R_5 - C_1 
                   K-LP: -\frac{C_3R_1R_4}{C_6R_4-C_6R_5}
                    K-HP: 0
                   K-BP: -\frac{C_3C_5R_1R_4R_5}{C_1C_6R_1R_4-C_1C_6R_1R_5-C_2C_6R_4R_5-C_3C_6R_4R_5+C_5C_6R_4R_5}
                     Qz: None
                     Wz: None
8.385 X-INVALID-NUMER-385 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                              H(s) = \frac{C_3C_6R_1R_6s + C_3R_1}{-C_6 + s^2\left(C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_4C_6R_1R_5 + C_2C_3C_6R_1R_5\right) + s\left(-C_1C_6R_1 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5\right)}
          Parameters:
                     Q: -\frac{i\sqrt{R_1}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1R_1-C_2R_5-C_3R_5-C_4R_5}
```

K-LP: $-\frac{C_3R_1}{C_2}$

K-HP: 0

K-BP: $-\frac{C_3R_1R_6}{C_1R_1-C_2R_5-C_3R_5-C_4R_5}$

Qz: None Wz: None

8.386 X-INVALID-NUMER-386 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_1R_6s + C_3C_5R_1$ $H(s) = \frac{1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_5C_6R_1R_5 + C_1C_3C_5C_6R_1R_5 + C_2C_3C_5C_6R_1R_5\right) + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_3C_6R_1 + C_2C_3C_6R_1 + C_2$

Parameters:

 $\begin{array}{l} \text{Q: } \frac{\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}\sqrt{C_2+C_3+C_4-C_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}\\ \text{wo: } \frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_1C_2C_5R_1R_5+C_1C_3C_5R_1R_5+C_1C_4C_5R_1R_5+C_2C_3C_5R_1R_5}}\\ \text{bandwidth: } \frac{C_1C_2R_1+C_1C_3R_1+C_1C_3R_1+C_1C_5R_1+C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}{\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2C_5R_1R_5+C_1C_3C_5R_1R_5+C_1C_4C_5R_1R_5+C_4C_5R_1R_5+C_4C_5R_1R_5+C_4C_5R_1R_5+C_4C_5R_1R_5+C_4C_5R_1R_5+C_4C_5R_1R_5+C_4$

K-BP: $\frac{C_3C_5R_1R_6}{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_1+C_2C_5R_5+C_3C_5R_5+C_4C_5R_5}$ Qz: None

Wz: None

8.387 X-INVALID-NUMER-387 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_5R_6s^2 + C_3R_1R_6s}{s^2\left(C_1C_2R_1R_5 + C_1C_3R_1R_5 + C_1C_4R_1R_5 - C_1C_5R_1R_5 + C_2C_3R_1R_5\right) + s\left(-C_1R_1 + C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5\right) - 1}$

Parameters:

 $\frac{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{$ $\sqrt{-\frac{1}{C_{1}C_{2}R_{1}R_{5}+C_{1}C_{3}R_{1}R_{5}+C_{1}C_{4}R_{1}R_{5}-C_{1}C_{5}R_{1}R_{5}+C_{2}C_{3}R_{1}R_{5}}}(C_{1}R_{1}-C_{2}R_{5}-C_{3}R_{5}-C_{4}R_{5}+C_{5}R_{5})$ $\frac{\sqrt{-C_{1}C_{2}R_{1}R_{5}+C_{1}C_{3}R_{1}R_{5}+C_{1}C_{3}R_{1}R_{5}+C_{1}C_{3}R_{1}R_{5}+C_{2}C_{3}R_{1}R_{5}}}{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_$

K-LP: 0

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-BP: $-\frac{C_3R_1R_6}{C_1R_1-C_2R_5-C_3R_5-C_4R_5+C_5R_5}$ Qz: None

Wz: None

8.388 X-INVALID-NUMER-388 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_5s + C_3R_1}{-C_6 + s^2\left(C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_4C_6R_1R_5 - C_1C_5C_6R_1R_5 + C_2C_3C_6R_1R_5\right) + s\left(-C_1C_6R_1 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$

Parameters:

 $-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5$

 $-\frac{1}{C_1C_2R_1R_5+C_1C_3R_1R_5+C_1C_4R_1R_5-C_1C_5R_1R_5+C_2C_3R_1R_5}$ $\sqrt{-\frac{1}{C_{1}C_{2}R_{1}R_{5}+C_{1}C_{3}R_{1}R_{5}+C_{1}C_{4}R_{1}R_{5}-C_{1}C_{5}R_{1}R_{5}+C_{2}C_{3}R_{1}R_{5}}}\left(C_{1}R_{1}-C_{2}R_{5}-C_{3}R_{5}-C_{4}R_{5}+C_{5}R_{5}\right)$ $-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_$

K-LP: $-\frac{C_3R_1}{C_6}$

K-HP: 0

K-BP: $-\frac{C_3C_5R_1R_5}{C_1C_6R_1 - C_2C_6R_5 - C_3C_6R_5 - C_4C_6R_5 + C_5C_6R_5}$

Qz: None Wz: None

8.389 X-INVALID-NUMER-389
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_1C_2C_4R_1R_4 + C_1C_3C_4R_1R_4 - C_1C_4C_5R_1R_4 + C_2C_3C_4R_1R_4\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_5R_1 + C_2C_3R_1 + C_2C_4R_4 + C_3C_4R_4 - C_4C_5R_4\right)}$$

 $\frac{C_{1}C_{2}\sqrt{C_{4}}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{\frac{C_{2}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{3}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}-\frac{C_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{C_{3}}$

 $\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_1 C_2 C_4 R_1 R_4 + C_1 C_3 C_4 R_1 R_4 - C_1 C_4 C_5 R_1 R_4 + C_2 C_3 C_4 R_1 R_4}} (C_1 C_2 R_1 + C_1 C_3 R_1 + C_1 C_4 R_1 - C_1 C_5 R_1 + C_2 C_3 R_1 + C_2 C_4 R_4 + C_1 C_5 R_1 + C_2 C_3 R_1 + C_2 C_4 R_4 + C_1 C_5 R_1 + C_2 C_4 R_4 + C_1 C_5 R_1 + C_2 C_4 R_4 + C_1 C_5 R_1 + C_2 C_5 R_$ $\frac{\sqrt{\frac{C_1C_2C_4R_1R_4+C_1C_3$

K-LP: 0

K-BP: $\frac{C_{1}C_{2}R_{1}+C_{1}C_{3}R_{1}+C_{2}C_{3}}{C_{1}C_{2}R_{1}+C_{1}C_{3}R_{1}+C_{1}C_{4}R_{1}-C_{1}C_{5}R_{1}+C_{2}C_{3}R_{1}+C_{2}C_{4}R_{4}+C_{3}C_{4}R_{4}-C_{4}C_{5}R_{4}}{\text{Qz: None}}$

Wz: None

8.390 X-INVALID-NUMER-390 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_4C_6R_1R_4 + C_1C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4 + C_1C_3C_6R_1 + C_1C_3C_6R_1 + C_1C_3C_6R_1 + C_1C_3C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_$

Parameters:

 $Q: \frac{C_1C_2\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{C_2}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_3}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} - \frac{C_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_3\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{C_2}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_3}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_3}{C_1C_2+C_1C_3-C_1C_3+C_1C_3-C_1C_3+C_1C_3-$

wo: $\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_1 C_2 C_4 R_1 R_4 + C_1 C_3 C_4 R_1 R_4 - C_1 C_4 C_5 R_1 R_4 + C_2 C_3 C_4 R_1 R_4}$

 $\frac{\frac{C_{2}+C_{3}+C_{4}-C_{5}}{C_{1}C_{2}C_{4}R_{1}R_{4}+C_{1}C_{3}R_{1}+C_{1}C_{4}R_{1}$

K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: 0

K-BP: $\frac{C_3C_4C_5R_1R_4}{C_1C_2C_6R_1+C_1C_3C_6R_1+C_1C_4C_6R_1-C_1C_5C_6R_1+C_2C_3C_6R_1+C_2C_4C_6R_4+C_3C_4C_6R_4-C_4C_5C_6R_4}$ Qz: None

Wz: None

8.391 X-INVALID-NUMER-391 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_4C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5\right)}$

Parameters:

Q: $-\frac{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_4+R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}$ wo: $-\frac{\sqrt{-R_4+R_5}}{\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_4R_1R_4R_5+C_2C_3R_1R_4R_5}}{\frac{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}{\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_$

K-BP: $-\frac{C_3R_1R_4R_6}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5}$

Qz: None

Wz: None

8.392 X-INVALID-NUMER-392 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_6 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_4C_6R_1R_4 - C_1C_5C_6R_1R_4 + C_2C_3C_6R_1R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$

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\frac{C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_1C_4\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}-C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+
                   Wo: \sqrt{\frac{1}{C_1C_2R_1R_4+C_1C_3R_1R_4+C_1C_4R_1R_4-C_1C_5R_1R_4+C_2C_3R_1R_4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                               (C_1R_1 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4)\sqrt{\frac{1}{C_1C_2R_1R_4 + C_1C_3}\frac{1}{R_1R_4 + C_1C_4R_1R_4} - C_1C_5R_1R_4 + C_2C_3R_1R_4}
                  K-LP: 0
              K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} K-BP: \frac{C_3C_5R_1R_4}{C_1C_6R_1+C_2C_6R_4+C_3C_6R_4+C_4C_6R_4-C_5C_6R_4} Qz: None
                   Wz: None
8.393 X-INVALID-NUMER-393 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                                                                   H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^2\left(C_1C_2R_1R_4R_5 + C_1C_3R_1R_4R_5 + C_1C_4R_1R_4R_5 - C_1C_5R_1R_4R_5 + C_2C_3R_1R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 + C_2R_4R_5 + C_3R_4R_5 + C_4R_4R_5 - C_5R_4R_5\right)}
         Parameters:
                   Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + \frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \sqrt{\frac{-R_4+R_5}{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_4R_1R_4R_5-C_1C_5R_1R_4R_5+C_2C_3R_1R_4R_5}}(C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5+C_5R_4R_5)
                                                                                           -C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt
                   K-LP: 0
               \begin{array}{l} \text{K-H1:} & \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP:} & -\frac{C_3R_1R_4R_6}{C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5+C_5R_4R_5} \end{array} 
                     Qz: None
                     Wz: None
8.394 X-INVALID-NUMER-394 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_3C_5R_1R_4R_5s + C_3R_1R_4
                                                                                                                                  H(s) = \frac{-C_6R_4 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_4C_6R_1R_4R_5 - C_1C_5C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5\right)}{-c_6R_4 + c_6R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_5C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5\right)}
         Parameters:
                   Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{-C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} -C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} -C_1C_4\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} +C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} -C_1C_4\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} +C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} +C_1C_5\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R
                  wo: \sqrt{\frac{-R_4 + R_5}{C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 + C_1 C_4 R_1 R_4 R_5 - C_1 C_5 R_1 R_4 R_5 + C_2 C_3 R_1 R_4 R_5}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \sqrt{\frac{-R_4 + R_5}{C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 + C_1}} (C_1 R_1 R_4 - C_1 R_1 R_5 - C_2 R_4 R_5 - C_3 R_4 R_5 - C_4 R_4 R_5 + C_5 R_4 R_5)
                  \frac{\sqrt{C_1C_2R_1R_4R_5 + C_1C_3}R_4}{-C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_5+C_1C_3+C_1C_5+C_1C_3+C_1C_5+C_1C_3+C_1C_5+C_1C_5+C_1C_5+C_1C_5+C_
                  K-HP: 0
                 K-BP: -\frac{C_3C_5R_1R_4R_5}{C_1C_6R_1R_4 - C_1C_6R_1R_5 - C_2C_6R_4R_5 - C_3C_6R_4R_5 - C_4C_6R_4R_5 + C_5C_6R_4R_5}
                     Qz: None
                   Wz: None
8.395 X-INVALID-NUMER-395 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                  H(s) = \frac{C_3C_5C_6R_1R_6s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_3C_6R_1R_3 + C_1C_3C_4C_6R_1R_3 - C_1C_3C_5C_6R_1R_3\right) + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_3C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_3C_5C_6R_3\right)}
         Parameters:
                   Q: \underbrace{\frac{\sqrt{C_{1}}C_{2}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}} + \frac{C_{3}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} + \frac{C_{5}}{C_{2}+C_{4}-C_{5}} + \sqrt{C_{1}}\sqrt{C_{3}}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}}} - \sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}} + \frac{C_{3}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}} + \frac{C_{3}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}} + \frac{C_{4}}{C_{2}+C_{4}-C_{5}} - \frac{C_{5}}{C_{2}+C_{4}-C_{5}} 
                                                                                          \frac{C_{2}+C_{3}+C_{4}-C_{5}}{\sqrt{C_{1}C_{2}C_{3}R_{1}R_{3}+C_{1}C_{3}C_{4}R_{1}R_{3}-C_{1}C_{3}C_{5}R_{1}R_{3}}}(C_{1}C_{2}R_{1}+C_{1}C_{3}R_{1}+C_{1}C_{4}R_{1}-C_{1}C_{5}R_{1}+C_{2}C_{3}R_{3}+C_{3}C_{4}R_{3}-C_{3}C_{5}R_{3})}{\sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}+\frac{C_{4}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{4}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}-\sqrt{C_{1}\sqrt{C_{3}}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}+\frac{C_{4}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}-\sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{C_{2}}{C_{2}+C_{4}-C_{5}}+\frac{C_{3}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_{4}-C_{5}}+\frac{C_{5}}{C_{2}+C_
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K-LP: \frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}
K-HP: 0
K-BP: \frac{C_3C_5R_1R_6}{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_1+C_2C_3R_3+C_3C_4R_3-C_3C_5R_3} Qz: None
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Wz: None

8.396 X-INVALID-NUMER-396 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_3 R_4 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_1 C_2 R_1 R_3 R_4 R_5 + C_1 C_3 R_1 R_3 R_4 R_5 + C_2 C_3 R_1 R_3 R_4 R_5\right) + s \left(-C_1 R_1 R_3 R_4 + C_1 R_1 R_3 R_5 + C_1 R_1 R_4 R_5 + C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 + C_3 R_3 R_4 R_5\right)}$

Parameters:

Q: $-\frac{\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{2}C_{3}}\sqrt{-R_{3}R_{4}+R_{3}R_{5}+R_{4}R_{5}}}{C_{1}R_{1}R_{3}R_{4}-C_{1}R_{1}R_{3}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{1}R_{4}R_{5}-C_{2}R_{3}R_{4}R_{5}-C_{3}R_{3}R_{4}R_{5}}}$ wo: $\frac{\sqrt{-R_{3}R_{4}+R_{3}R_{5}+R_{4}R_{5}}}{\sqrt{C_{1}C_{2}R_{1}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{3}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{3}R_{4}R_{5}}}$ bandwidth: $-\frac{C_{1}R_{1}R_{3}R_{4}-C_{1}R_{1}R_{3}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{1}R_{4}R_{5}-C_{2}R_{3}R_{4}R_{5}-C_{3}R_{3}R_{4}R_{5}}{\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}C_{2}+C_{1}C_{3}+C_{2}C_{3}}\sqrt{C_{1}C_{2}R_{1}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{3}R_{4}R_{5}+C_{2}C_{3}R_{1}}}$ K-LP: $-\frac{R_{1}R_{4}R_{6}}{R_{3}R_{4}-R_{3}R_{5}-R_{4}R_{5}}}{K_{5}-R_{4}R_{5}}$ K-HP: 0K DD. K-BP: $-\frac{C_3R_1R_3R_4R_6}{C_1R_1R_3R_4-C_1R_1R_3R_5-C_1R_1R_4R_5-C_2R_1R_4R_5-C_2R_3R_4R_5-C_3R_3R_4R_5}$ Qz: None

8.397 X-INVALID-NUMER-397 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s$ $H(s) = \frac{C_3C_5\kappa_1\kappa_3\kappa_4\kappa_6s^2 + C_5\kappa_1\kappa_4\kappa_6s}{R_3 + R_4 + s^2\left(C_1C_2R_1R_3R_4 + C_1C_3R_1R_3R_4 - C_1C_5R_1R_3R_4 + C_2C_3R_1R_3R_4\right) + s\left(C_1R_1R_3 + C_1R_1R_4 + C_2R_1R_4 + C_2R_3R_4 + C_3R_3R_4 - C_5R_3R_4\right)}$

Parameters:

Wz: None

 $\text{Q:} \frac{ \frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}$ $\sqrt{R_3 + R_4} (C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 - C_5 R_3 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4}{C_1 C_2 R_1 R_3 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4$ K-LP: 0 K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: $\frac{C_5R_1R_4R_6}{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4+C_3R_3R_4-C_5R_3R_4}$ Qz: None Wz: None

8.398 X-INVALID-NUMER-398 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_4s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 - C_1C_5C_6R_1R_3R_4 + C_2C_3C_6R_1R_3R_4\right) + s\left(C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 - C_5C_6R_3R_4\right)}$

Parameters:

 $Q: \frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1$

wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4}$

 $\text{K-BP: } \frac{C_3C_5R_1R_3R_4}{C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 - C_5C_6R_3R_4}$

Qz: None Wz: None

8.399 X-INVALID-NUMER-399
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3R_1R_3R_6s + R_1R_6}{-R_3 + R_5 + s^2\left(C_1C_2R_1R_3R_5 + C_1C_3R_1R_3R_5 + C_1C_4R_1R_3R_5 + C_2C_3R_1R_3R_5\right) + s\left(-C_1R_1R_3 + C_1R_1R_5 + C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5\right)}$$

K-LP: $-\frac{R_1R_6}{R_3-R_5}$ K-HP: 0

K-BP: $-\frac{C_3R_1R_3R_6}{C_1R_1R_3 - C_1R_1R_5 - C_2R_1R_5 - C_2R_3R_5 - C_3R_3R_5 - C_4R_3R_5}$

Qz: None Wz: None

8.400 X-INVALID-NUMER-400 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_6s^2 + C_5R_1R_6s}{s^2\left(C_1C_2R_1R_3 + C_1C_3R_1R_3 + C_1C_4R_1R_3 - C_1C_5R_1R_3 + C_2C_3R_1R_3\right) + s\left(C_1R_1 + C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3\right) + 1}$$

Parameters:

 $Q: \frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}+C_{2}R_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}+C_{2}R_{3}+C_{3}R_{3}+C_{4}R_{3}-C_{5}R_{3}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{3}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{4}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{2}C_{4}\sqrt{R_{1}C_{$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_3 + C_1C_3R_1R_3 + C_1C_4R_1R_3 - C_1C_5R_1R_3 + C_2C_3R_1R_3}}$

 $\frac{(C_{1}R_{1}+C_{2}R_{3}+C_{1}C_{3}R_{1}R_{3}+C_{1}C_{3}R_{1}R_{3}+C_{1}C_{3}R_{1}R_{3}+C_{2}C_{3}R_{1}R_{3}}{(C_{1}R_{1}+C_{2}R_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}R_{1}R_{3}+C_{1}C_{3}R_{1}R_{3}+C_{1}C_{3}R_{1}R_{3}+C_{2}C_{3}R_{1}R_{3}}}$ bandwidth: $\frac{(C_{1}R_{1}+C_{2}R_{1}+C_{2}R_{3}+C_{1}C_{3}+C_{1}$

K-LP: 0

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-BP: $\frac{C_5R_1R_6}{C_1R_1+C_2R_1+C_2R_3+C_3R_3+C_4R_3-C_5R_3}$ Qz: None

Wz: None

8.401 X-INVALID-NUMER-401 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3s + C_5R_1}{C_6 + s^2\left(C_1C_2C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_1C_4C_6R_1R_3 - C_1C_5C_6R_1R_3 + C_2C_3C_6R_1R_3\right) + s\left(C_1C_6R_1 + C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

Parameters:

$$Q: \frac{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{$$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_3+C_1C_3R_1R_3+C_1C_4R_1R_3-C_1C_5R_1R_3+C_2C_3R_1R_3}}$

 $(C_1R_1 + C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3)\sqrt{\frac{1}{C_1C_2R_1R_3 + C_1C_3R_1R_3 + C_1C_4R_1R_3 - C_1C_5R_1R_3 + C_2C_3R_1R_3}}$

K-LP: $\frac{C_5R_1}{C_6}$ K-HP: 0

K-BP: $\frac{C_3C_5R_1R_3}{C_1C_6R_1+C_2C_6R_1+C_2C_6R_3+C_3C_6R_3+C_4C_6R_3-C_5C_6R_3}$

Wz: None

Qz: None

8.402 X-INVALID-NUMER-402 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3R_1R_3R_4R_6s + R_1R_4R_6}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_1C_2R_1R_3R_4R_5 + C_1C_3R_1R_3R_4R_5 + C_2C_3R_1R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_4R_3R_4R_5\right)}$$

```
K-LP: -\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}
                        K-HP: 0
                      K-BP: -\frac{C_3R_1R_3R_4R_6}{C_1R_1R_3R_4 - C_1R_1R_3R_5 - C_1R_1R_4R_5 - C_2R_1R_4R_5 - C_2R_3R_4R_5 - C_3R_3R_4R_5 - C_4R_3R_4R_5}{C_1R_1R_3R_4 - C_1R_1R_3R_5 - C_1R_1R_4R_5 - C_2R_1R_4R_5 - C_2R_3R_4R_5 - C_3R_3R_4R_5 - C_4R_3R_4R_5}
                        Wz: None
8.403 X-INVALID-NUMER-403 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s
                                                                                                                                                                                                                                                                        H(s) = \frac{C_3C_5R_1R_3R_4R_6s - C_5R_1R_3R_4R_6s - C_5R_1R_3R_4R_6s - C_5R_1R_3R_4R_6s - C_5R_1R_3R_4 + C_2R_3R_4R_4 + C_3R_3R_4 + C_3R_3
            Parameters:
                           Q: \frac{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}R_{3}+C_{1}R_{4}+C_{2}R_{3}R_{4}+C_{3}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \sqrt{R_3 + R_4} (C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_1 C_4 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4 + C_1 
                                                                                                                  \overline{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+
                       K-LP: 0
                    \begin{array}{lll} \text{K-HP:} & \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP:} & \frac{C_5R_1R_4R_6}{C_1R_1R_3+C_1R_1R_4+C_2R_1R_4+C_2R_3R_4+C_3R_3R_4+C_4R_3R_4-C_5R_3R_4} \end{array} 
                           Qz: None
                        Wz: None
8.404 X-INVALID-NUMER-404 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_3C_5R_1R_3R_4s + C_5R_1R_4
                                                                                                                                 H(s) = \frac{C_3 C_3 C_4 C_1 C_2 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_4 C_6 R_1 R_3 R_4 + C_1 C_5 C_6 R_1 R_3 R_4 + C_2 C_3 C_6 R_1 R_3 R_4 + C_2 C_3 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_4 + C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 + C_3 C_6 R_3 R_4 + C_4 C_6 R_3 R_4 + C_5 C_6 R_5 R_5 + C_5 C_6 R_5 R
            Parameters:
                                            + \frac{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1R_1R_3+C_1R_4+C_2R_3R_4+C_2R_3R_4+C_3R_3R_4+C_4R_3R_4-C_5R_3} + C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{-C_1C_5\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3
                       wo: \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_1 C_4 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \sqrt{R_3 + R_4} (C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4 + C_3 R_4 + C_3 R_3 R_4 + C_3 R_3 R_4 + C_3 R_4 + 
                       \frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}+C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_
                     K-LP: \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}
K-HP: 0
                       K-BP: \frac{C_3C_5R_1R_3R_4}{C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4}
                           Qz: None
                        Wz: None
8.405 X-INVALID-NUMER-405 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_2 R_1 R_2 R_4 R_6 s + R_1 R_4 R_6
                                                                                               H(s) = \frac{C_2 R_1 R_2 R_4 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(-C_1 C_2 R_1 R_2 R_3 R_4 + C_1 C_2 R_1 R_2 R_3 R_5 + C_1 C_2 R_1 R_2 R_4 R_5 + C_1 C_2 R_1 R_3 R_4 R_5\right) + s \left(-C_1 R_1 R_3 R_4 + C_1 R_1 R_3 R_5 + C_1 R_1 R_4 R_5 + C_2 R_2 R_3 R_4 + C_2 R_2 R_3 R_5 + C_2 R_2 R_4 R_5 + C_2 R_3 R_4 R_5\right)}
         Parameters:
                       Q: \frac{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_4\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_4R_5}} - \sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_4R_5}} - \sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_4R_5}} - \sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2R_3R_5+R_4R_5}} - \sqrt{C_1}\sqrt{C_2}\sqrt{R_1}R_2R_3R_5\sqrt{-\frac{R_3R_4}{-R_2R_3R_4+R_2
```

K-LP: $-\frac{R_1R_4R_6}{R_2R_4-R_2R_5-R_4R_5}$

 $\frac{1}{\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{4}\sqrt{-\frac{R_{3}R_{4}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}\sqrt{-\frac{R_{3}R_{4}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}\sqrt{-\frac{R_{3}R_{4}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}\sqrt{-\frac{R_{3}R_{4}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{4}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}-\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{R_{1}}R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}+\frac{R_{3}R_{5}R_{5}}{-R_{2}R_{$

 $\sqrt{\frac{R_3R_4 - R_3R_5 - R_4R_5}{C_1C_2R_1R_2R_3R_4 - C_1C_2R_1R_2R_3R_5 - C_1C_2R_1R_2R_4R_5 - C_1C_2R_1R_3R_4R_5}}(C_1R_1R_3R_4 - C_1R_1R_3R_5 - C_1R_1R_4R_5 - C_1R_1R_3R_4 - C_1R_1R_3R_4 - C_1R_1R_3R_4 - C_1R_1R_3R_5 - C_1R_1R_4R_5 - C_1R_1R_3R_4 - C_1R_1R_3R_5 - C_1R_1R_5 - C_1R_5 - C_1R_5$

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K-HP: 0
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 $\text{K-BP:} - \frac{C_2 R_1 R_2 R_4 R_6}{C_1 R_1 R_3 R_4 - C_1 R_1 R_3 R_5 - C_1 R_1 R_4 R_5 - C_2 R_1 R_4 R_5 + C_2 R_2 R_3 R_4 - C_2 R_2 R_3 R_5 - C_2 R_2 R_4 R_5 - C_2 R_3 R_4 R_5}$

Qz: None

Wz: None

8.406 X-INVALID-NUMER-406 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_2C_4R_1R_2 - C_1C_2C_5R_1R_2\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_5R_1 + C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_2 - C_2C_5R_2\right)}$

Parameters:

 $Q: \underbrace{\frac{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{\frac{C_2}{C_3+C_4-C_5}} + \frac{C_3}{C_3+C_4-C_5} + \frac{C_4}{C_3+C_4-C_5} + \frac{C_5}{C_3+C_4-C_5}}_{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_2+C_2C_3R_2+C_2C_5R_2} - \underbrace{\frac{C_3}{C_3+C_4-C_5}}_{C_1\sqrt{C_2}C_5\sqrt{R_1}\sqrt{R_2}} + \underbrace{\frac{C_3}{C_3+C_4-C_5}}_{C_3+C_4-C_5} + \underbrace{\frac{C_4}{C_3+C_4-C_5}}_{C_3+C_4-C_5} - \underbrace{\frac{C_5}{C_3+C_4-C_5}}_{C_3+C_4-C_5} - \underbrace{\frac{C_5}{C_3+C_4-C_5}}_{C_3+C_4-C_5} + \underbrace{\frac{C_4}{C_3+C_4-C_5}}_{C_3+C_4-C_5} + \underbrace{\frac{C_4}{C_3+C_4-C_5}}_{C_3+C_4-C_5} - \underbrace{\frac{C_5}{C_3+C_4-C_5}}_{C_3+C_4-C_5} -$

 $\text{bandwidth: } \frac{\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_1 C_2 C_3 R_1 R_2 + C_1 C_2 C_4 R_1 R_2 - C_1 C_2 C_5 R_1 R_2}}}{\sqrt{C_1 \sqrt{C_2} C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{C_2}{C_3 + C_4 - C_5} + \frac{C_3}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_3}{C_3 + C_4 - C_5} + \sqrt{C_1} \sqrt{C_2} C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{C_2}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_5}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_5}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_5}{C_3 + C_4 - C$

K-LP: 0

K-HP: $\frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}$

K-BP: $\frac{C_3C_5R_1R_6}{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_1+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2}$ Qz: None

Wz: None

8.407 X-INVALID-NUMER-407 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_3C_6R_1R_2 + C_1C_2C_4C_6R_1R_2 - C_1C_2C_5C_6R_1R_2\right) + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_3C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_4C_6R_2 - C_2C_5C_6R_2\right)}$

Parameters:

 $Q: \underbrace{\frac{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{\frac{C_2}{C_3+C_4-C_5}} + \frac{C_3}{C_3+C_4-C_5} + \frac{C_4}{C_3+C_4-C_5} + \frac{C_5}{C_3+C_4-C_5}}_{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_2+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2} - \underbrace{\frac{C_3}{C_3+C_4-C_5} + \frac{C_3}{C_3+C_4-C_5} + \frac{C_4}{C_3+C_4-C_5} + \frac{C_5}{C_3+C_4-C_5}}_{C_1C_2R_1+C_1C_3R_1+C_1C_4R_1-C_1C_5R_1+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2} - \underbrace{\frac{C_4}{C_3+C_4-C_5} + \frac{C_3}{C_3+C_4-C_5} + \frac{C_4}{C_3+C_4-C_5} + \frac{C_4}{C_3+C_4-C_5} + \frac{C_5}{C_3+C_4-C_5}}_{C_1C_2R_1+C_1C_3R_1+C_1C_3R_1+C_1C_5R_1+C_2C_3R_2+C_2C_4R_2-C_2C_5R_2}$

 $\text{bandwidth:} \quad \frac{\frac{C_2 + C_3 + C_4 - C_5}{\sqrt{C_1 C_2 C_3 R_1 R_2 + C_1 C_2 C_4 R_1 R_2 - C_1 C_2 C_5 R_1 R_2}}}{\sqrt{C_1 \sqrt{C_2} C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{C_2}{C_3 + C_4 - C_5} + \frac{C_3}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_5}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_5}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_5}{C_3 + C_4 - C_5} + \frac$

K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: 0

K-BP: $\frac{C_2C_3C_5R_1R_2}{C_1C_2C_6R_1+C_1C_3C_6R_1+C_1C_4C_6R_1-C_1C_5C_6R_1+C_2C_3C_6R_1+C_2C_3C_6R_2+C_2C_4C_6R_2-C_2C_5C_6R_2}$ Qz: None

Wz: None

8.408 X-INVALID-NUMER-408 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_3R_4 - C_1C_5C_6R_1R_2R_3R_4\right) + s\left(C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_2C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$ $C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4$

Parameters:

 $\text{Q: } \frac{\sqrt{C_{1}}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}-C_{5}}}}{C_{1}R_{1}R_{2}R_{3}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{2}R_{1}R_{2}R_{4}+C_{2}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4}}$

wo: $\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}$

 $\text{bandwidth: } \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 - C_5R_2R_3R_4)}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2 - C_5}}}$

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_2R_1R_2R_4+C_2R_2R_3R_4-C_5R_2R_3R_4}$ Qz: None

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8.409 X-INVALID-NUMER-409 Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6\right)
```

 $C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6$

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

Parameters:

 $\frac{\sqrt{\frac{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}{C_1C_2R_1R_2R_3R_4+C_2C_5R_1R_2R_3R_4}}(C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_2R_1R_2R_4R_5-C_2R_1R_2R_4R_5-C_2R_2R_3R_4R_5)}{-\sqrt{C_1}C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_2-C_5}-\frac{R_2R_3R_4}{C_2-C_5}+\frac{R_2R_3R_5}{C_2-C_5}+\frac{R_2R_4R_5}{C_2-C_5}+\frac{R_3R_4R_5}{C_2-C_5}+\frac{R_3R_4R_5}{C_2-C_5}+\frac{R_3R_4R_5}{C_2-C_5}+\frac{R_3R_4R_5}{C_2-C_5}+\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_2-C_5}-\frac{R_2R_3R_4}{C_2-C_5}+\frac{R_2R_4R_5}{C_2-C_5}+\frac{R_3R_4R_5}{C_2-C_5}}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: 0

K-BP: $-\frac{C_5R_1R_2R_4R_5R_6}{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_2R_1R_2R_4R_5-C_2R_2R_3R_4R_5+C_5R_2R_3R_4R_5}{\text{Qz: None}}$ Qz: None

Wz: None

8.410 X-INVALID-NUMER-410 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_5C_6R_1R_2R_6s + C_5R_1R_2$ $H(s) = \frac{C_5C_6R_1R_2R_6s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_1C_2C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 - C_1C_5C_6R_1R_2R_3\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_3 + C_2C_6R_1R_2 + C_2C_6R_2R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}$

Parameters:

 $\text{Q: } \frac{\sqrt{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}}{C_{1}R_{1}R_{2}+C_{1}R_{1}R_{2}+C_{2}R_{1}R_{2}+C_{2}R_{2}R_{3}+C_{4}R_{2}R_{3}-C_{5}R_{2}R_{3}}$

wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3}}$

 $\text{bandwidth: } \frac{\sqrt{C_1C_2R_1R_2R_3 + C_1C_4R_1R_2R_3 - C_1C_5R_1R_2R_3}}{\sqrt{R_1+R_2+R_3}\left(C_1R_1R_2 + C_1R_1R_3 + C_2R_1R_2 + C_2R_2R_3 + C_4R_2R_3 - C_5R_2R_3\right)\sqrt{\frac{1}{C_1C_2R_1R_2R_3 + C_1C_4R_1R_2R_3 - C_1C_5R_1R_2R_3}}}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2+C_4-C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_2+C_4-C_5}}}}$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: 0

K-BP: $\frac{C_5R_1R_2R_6}{C_1R_1R_2+C_1R_1R_3+C_2R_1R_2+C_2R_2R_3+C_4R_2R_3-C_5R_2R_3}$ Qz: None

Wz: None

8.411 X-INVALID-NUMER-411 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $C_5 R_1 R_2 R_5 R_6 s + R_1 R_2 R_6$ $H(s) = \frac{C_5R_1R_2R_5R_6s + R_1R_2R_6}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_1C_2R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 - C_1C_5R_1R_2R_3R_5\right) + s\left(-C_1R_1R_2R_3 + C_1R_1R_2R_5 + C_1R_1R_3R_5 + C_2R_1R_2R_5 + C_2R_2R_3R_5 + C_4R_2R_3R_5 - C_5R_2R_3R_5\right)}$

Parameters:

 $Q: \underbrace{\frac{-\sqrt{C_{1}}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{2}+C_{4}-C_{5}} - \frac{R_{2}R_{3}}{C_{2}+C_{4}-C_{5}} + \frac{R_{2}R_{5}}{C_{2}+C_{4}-C_{5}} - \sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{2}+C_{4}-C_{5}} + \frac{R_{2}R_{5}}{C_{2}+C_{4}-C_{5}} + \frac{R_{2}R_{5}}{C_{$

 $\frac{\sqrt{\frac{R_{1}R_{5}-R_{2}R_{3}+R_{2}R_{5}+R_{3}R_{5}}{C_{1}C_{2}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{5}R_{1}R_{2}R_{3}R_{5}}}{\sqrt{\frac{R_{1}R_{5}-R_{2}R_{3}+R_{2}R_{5}+R_{3}R_{5}}{C_{1}C_{4}R_{1}R_{2}R_{3}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{5}}}}(C_{1}R_{1}R_{2}R_{3}-C_{1}R_{1}R_{2}R_{5}-C_{2}R_{1}R_{2}R_{5}-C_{2}R_{2}R_{3}R_{5}-C_{4}R_{2}R_{3}R_{5}+C_{5}R_{2}R_{3}R_{5}})$ $\frac{R_{1}R_{5}-R_{2}R_{3}+R_{2}R_{5}+R_{3}R_{5}}{C_{1}C_{2}R_{1}R_{2}R_{3}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{5}}(C_{1}R_{1}R_{2}R_{3}-C_{1}R_{1}R_{2}R_{5}-C_{2}R_{1}R_{2}R_{5}-C_{2}R_{2}R_{3}R_{5}-C_{4}R_{2}R_{3}R_{5}+C_{5}R_{2}R_{3}R_{5}})$ $\frac{R_{1}R_{5}-R_{2}R_{3}+R_{2}R_{5}+R_{2}R_{5}}{C_{2}+C_{4}-C_{5}}+\frac{R_{2}R_{5}}{C_{2}+C_{4}-$

 $\begin{array}{l} \text{K-BP:} -\frac{C_5R_1R_2R_5R_6}{C_1R_1R_2R_3-C_1R_1R_2R_5-C_1R_1R_3R_5-C_2R_1R_2R_5-C_2R_2R_3R_5-C_4R_2R_3R_5+C_5R_2R_3R_5} \end{array}$

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8.412 X-INVALID-NUMER-412 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
                                                             H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_3R_4 + C_1C_6C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_2C_6R_1R_2R_4 + C_2C_
        Parameters:
                                          \frac{\sqrt{C_{1}}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{2}+C_{4}-C_{5}}}-C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{2}R_{4}+C_{2}R_{2}R_{3}R_{4}+C_{2}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4}
                    \text{bandwidth: } \frac{\sqrt{C_1C_2R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \left(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4\right) \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_2 + C_4 - C_5}}}} \right) 
                 K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}
K-HP: 0
                  K-BP: \frac{C_5R_1R_2R_4R_6}{C_1R_1R_2R_3+C_1R_1R_2R_4+C_1R_1R_3R_4+C_2R_1R_2R_4+C_2R_2R_3R_4+C_4R_2R_3R_4-C_5R_2R_3R_4} Qz: None
                    Wz: None
8.413 X-INVALID-NUMER-413 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6
                                                    \overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}\right)+s\left(-C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{3}R_{4}R
        Parameters:
                     Q: \frac{-\sqrt{C_{1}}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{2}+C_{4}-C_{5}}} - \frac{R_{2}R_{3}R_{4}}{C_{2}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{2}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{2}+C_{4}-C_{5}} - \sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{2}+C_{4}-C_{5}}} + \frac{R_{2}R_{3}R_{5}}{C_{2}+C_{4}-C_{5}}} + \sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{2}+C_{4}-C_{5}}} - \frac{R_{2}R_{3}R_{4}}{C_{2}+C_{4}-C_{5}}} + \frac{R_{2}R_{3}R_{5}}{C_{2}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{2}+C_{
                                                                                                                                                                                                                                                                                                                                                                                            \sqrt{\frac{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{5}-R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}{C_{1}C_{2}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}}}(C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{5}-C_{1}R_{1}R_{2}R_{4}R_{5}-C_{2}R_{1}R_{2}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{4}R_{2}R_{3}R_{4}R_{5}+C_{5}R_{2}R_{3}R_{4}R_{5}+C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{2}R_{3}R_{4}R_{5}-C_{5}R_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R_{5}-C_{5}R_{5}R
                                                                                                    \frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}} - \frac{R_2R_3R_4}{C_2+C_4-C_5} - \frac{R_2R_3R_4}
                   K-LP: \frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}
                    \begin{array}{l} \text{K-BP:} - \frac{C_5 R_1 R_2 R_4 R_5 R_6}{C_1 R_1 R_2 R_3 R_4 - C_1 R_1 R_2 R_3 R_5 - C_1 R_1 R_2 R_4 R_5 - C_1 R_1 R_3 R_4 R_5 - C_2 R_1 R_2 R_4 R_5 - C_2 R_2 R_3 R_4 R_5 - C_4 R_2 R_3 R_4 R_5 + C_5 R_2 R_3 R_4 R_5 \\ \text{Qz: None} \end{array} 
                     Wz: None
8.414 X-INVALID-NUMER-414 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4
                                                                                                                                      H(s) = \frac{1}{-C_{6}R_{2}R_{4} + C_{6}R_{2}R_{5} + C_{6}R_{4}R_{5} + s^{2}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{4}R_{5} + C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}R_{5} + C_{2}C_{3}C_{6}R_{1}R_{2}R_{4}R_{5} + s\left(-C_{1}C_{6}R_{1}R_{2}R_{4} + C_{1}C_{6}R_{1}R_{2}R_{5} + C_{1}C_{6}R_{1}R_{4}R_{5} + C_{3}C_{6}R_{1}R_{4}R_{5} + C_{3}C_{6}R_{1}R_{4}R_{5} + C_{3}C_{6}R_{1}R_{4}R_{5} + C_{3}C_{6}R_{1}R_{2}R_{4}R_{5} + C_{4}C_{6}R_{1}R_{2}R_{4} + C_{4}C_{6}R_{1}R_{2}R_{5} + C_{4}C_{6}R_{1}R_{4}R_{5} + C_{5}C_{6}R_{1}R_{4}R_{5} +
        Parameters:
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\begin{array}{l} \mathrm{Q:} -\frac{\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_2R_2R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}\\ \mathrm{wo:} \ \frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}}\\ \mathrm{bandwidth:} \ -\frac{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_2R_2R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_2C_3R_1}}\\ \mathrm{K-LP:} \ -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}\\ \mathrm{K-HP:} \ 0 \end{array}
     K-HP: 0
   K-BP: -\frac{C_3R_1R_2R_4R_6}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_2R_2R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5} Qz: None
     Wz: None
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8.415 X-INVALID-NUMER-415 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

```
\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{1}C_{1}C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{1}C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{1}C_{1}C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}+C_{1}C_{3}-C_{1}C_{5}}+C_{1}C_{1}C_{1}C_{2}}+C_{1}C_{1}C_{1}C_{2}-C_{1}C_{1}C_{1}C
                   wo: \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4}
                                                                                                                                                                                                                                                                                                                                     \sqrt{R_2 + R_4} (C_1 R_1 R_2 + C_1 R_1 R_4 + C_2 R_2 R_4 + C_3 R_1 R_4 + C_3 R_2 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4 + C_3 R_1 R_2 
                  K-LP: 0
              K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} K-BP: \frac{C_3C_5R_1R_2R_4}{C_1C_6R_1R_2+C_1C_6R_1R_4+C_2C_6R_2R_4+C_3C_6R_1R_4+C_3C_6R_2R_4-C_5C_6R_2R_4} Qz: None
                   Wz: None
8.416 X-INVALID-NUMER-416 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)
                                                                                                                        H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_1C_2R_1R_2R_4R_5 + C_1C_3R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5 + C_2C_3R_1R_2R_4R_5\right) + s\left(-C_1R_1R_2R_4 + C_1R_1R_2R_5 + C_1R_1R_4R_5 + C_2R_2R_4R_5 + C_3R_1R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5\right)}
         Parameters:
                   Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_
                  \frac{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}
                   K-LP: 0
                  K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}
                 K-BP: -\frac{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}R_{1}R_{2}R_{4}-C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}+C_{5}R_{2}R_{4}R_{5}}{C_{1}R_{1}R_{2}R_{5}-C_{1}R_{1}R_{4}R_{5}-C_{2}R_{2}R_{4}R_{5}-C_{3}R_{1}R_{4}R_{5}-C_{3}R_{2}R_{4}R_{5}+C_{5}R_{2}R_{4}R_{5}}
                     Qz: None
                   Wz: None
8.417 X-INVALID-NUMER-417 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4
             H(s) = \frac{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + c_2C_3C_3C_6R_1R_2R_4R_5 + c_2C_3C_3C_6R_1R_2R_4R_5 + c_2C_3C_3C_3C_3R_4R_5 + c_2C_3C_3C_3C
          Parameters:
                  Q: \frac{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} - C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{4}R_{5}}{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{4}R_{
                  wo: \sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5-C_1C_5R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}}
                  \frac{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}
                K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}
                 \text{K-BP:} - \frac{C_3C_5R_1R_2R_4R_5}{C_1C_6R_1R_2R_4 - C_1C_6R_1R_2R_5 - C_1C_6R_1R_4R_5 - C_2C_6R_2R_4R_5 - C_3C_6R_1R_4R_5 - C_3C_6R_2R_4R_5 + C_5C_6R_2R_4R_5}
                   Qz: None
                   Wz: None
8.418 X-INVALID-NUMER-418 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_3C_6R_1R_2R_6s + C_3R_1R_2
                                                                                                                                                                                           H(s) = \frac{1}{-C_{6}R_{2} + C_{6}R_{5} + s^{2}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{5} + C_{1}C_{3}C_{6}R_{1}R_{2}R_{5} + C_{2}C_{3}C_{6}R_{1}R_{2}R_{5}\right) + s\left(-C_{1}C_{6}R_{1}R_{2} + C_{1}C_{6}R_{1}R_{5} + C_{2}C_{6}R_{2}R_{5} + C_{3}C_{6}R_{1}R_{5} + C_{3}C_{6}R_{1}R_{5} + C_{4}C_{6}R_{2}R_{5}\right)}
         Parameters:
                 bandwidth: -\frac{C_1R}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{C_1C_2+C_1C_2}}

K-LP: -\frac{C_3R_1R_2}{C_6R_2-C_6R_5}
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K-HP: 0
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K-BP: $-\frac{C_3R_1R_2R_6}{C_1R_1R_2 - C_1R_1R_5 - C_2R_2R_5 - C_3R_1R_5 - C_3R_2R_5 - C_4R_2R_5}$

Qz: None

Wz: None

8.419 X-INVALID-NUMER-419 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^2\left(C_1C_2C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_4C_6R_1R_2 - C_1C_5C_6R_1R_2 + C_2C_3C_6R_1R_2\right) + s\left(C_1C_6R_1 + C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2\right)}$

Parameters:

 $\underbrace{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}+C_{2}R_{2}+C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_2+C_1C_3R_1R_2+C_1C_4R_1R_2-C_1C_5R_1R_2+C_2C_3R_1R_2}}$

 $(C_1R_1 + C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_3R_1R_2 + C_1C_4R_1R_2 - C_1C_5R_1R_2 + C_2C_3R_1R_2}}$

K-LP: 0

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-BP: $\frac{C_3C_5R_1R_2}{C_1C_6R_1+C_2C_6R_2+C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ Qz: None

Wz: None

8.420 X-INVALID-NUMER-420 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^2\left(C_1C_2R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_1C_4R_1R_2R_5 - C_1C_5R_1R_2R_5 + C_2C_3R_1R_2R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_2R_2R_5 + C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5 - C_5R_2R_5\right)}$

Parameters:

 $Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_3$ Wo: $\sqrt{\frac{-R_2+R_5}{C_1C_2R_1R_2R_5+C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5-C_1C_5R_1R_2R_5+C_2C_3R_1R_2R_5}}$

 $\sqrt{\frac{-R_2+R_5}{C_1C_2R_1R_2R_5+C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5-C_1C_5R_1R_2R_5+C_2C_3R_1R_2R_5}}(C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5+C_5R_2R_5)$ $\frac{\sqrt{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}-C_1C_4\sqrt{-\frac{R_2}{C$

K-LP: 0

 $\begin{array}{l} \text{K-HP: } \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP: } -\frac{C_3R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_2R_6}{C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5+C_5R_2R_5} \\ \text{Qz: None} \end{array}$

Wz: None

8.421 X-INVALID-NUMER-421 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_5s + C_3R_1R_2$ $H(s) = \frac{1}{-C_6R_2 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_2R_5 + C_1C_3C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5 + C_2C_3C_6R_1R_2R_5\right) + s\left(-C_1C_6R_1R_2 + C_1C_6R_1R_5 + C_2C_6R_2R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_3C_6R_2R_5 + C_3C_6R_2R_5 + C_3C_6R_2R_5 + C_3C_6R_2R_5 + C_3C_6R_2R_5\right)}$

Parameters:

 $Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{-C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5+C_5R_2R_5}} + C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{-C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5+C_5R_2R_5}} + C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5+C_5R_2R_5}} + C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}} + C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{$

Wo: $\sqrt{\frac{-R_2+R_5}{C_1C_2R_1R_2R_5+C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5-C_1C_5R_1R_2R_5+C_2C_3R_1R_2R_5}}$

 $\sqrt{\frac{-R_2+R_5}{C_1C_2R_1R_2R_5+C_1C_3R_1R_2R_5+C_1C_4R_1R_2R_5-C_1C_5R_1R_2R_5+C_2C_3R_1R_2R_5}}(C_1R_1R_2-C_1R_1R_5-C_2R_2R_5-C_3R_1R_5-C_3R_2R_5-C_4R_2R_5+C_5R_2R_5)$ $\frac{\sqrt{\sqrt{1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R$

K-LP: $-\frac{C_3R_1R_2}{C_6R_2-C_6R_5}$

K-HP: 0

 $\text{K-BP:} - \frac{C_3C_5R_1R_2R_5}{C_1C_6R_1R_2 - C_1C_6R_1R_5 - C_2C_6R_2R_5 - C_3C_6R_1R_5 - C_3C_6R_2R_5 - C_4C_6R_2R_5 + C_5C_6R_2R_5}$

Qz: None

```
8.422 X-INVALID-NUMER-422 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_{3s}}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_{6s}}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4
              H(s) = \frac{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_5 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_4R_5 + C_1C_6R_1R_4R
           Parameters:
                 Q:  -\frac{\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{C_1R_1R_2R_4 - C_1R_1R_2R_5 - C_1R_1R_4R_5 - C_2R_2R_4R_5 - C_3R_1R_4R_5 - C_3R_2R_4R_5 - C_4R_2R_4R_5}  wo:  \frac{\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{\sqrt{C_1C_2R_1R_2}R_4R_5 + C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4R_5 + C_2C_3R_1R_2R_4R_5}  bandwidth:  -\frac{C_1R_1R_2R_4 - C_1R_1R_2R_4 - C_1R_1R_2R_4 - C_1R_1R_2R_4R_5 - C_1R_2R_4R_5 - C_3R_1R_4R_5 - C_3R_1R
                    K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}K-HP: 0
                     \text{K-BP:} - \frac{C_3 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_4 - C_1 R_1 R_2 R_5 - C_1 R_1 R_4 R_5 - C_2 R_2 R_4 R_5 - C_3 R_1 R_4 R_5 - C_3 R_2 R_4 R_5 - C_4 R_2 R_4 R_5}
                      Wz: None
8.423 X-INVALID-NUMER-423 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s
                                                                                                                           H(s) = \frac{1}{C_6R_2 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4 + C_1C_6R_1R_2 + C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_
           Parameters:
                                          + \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1R_1R_2+C_1R_1R_4+C_2R_2R_4+C_3R_1R_4+C_3R_2R_4+C_4R_2R_4} - C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1R_1R_2+C_1R_1R_4+C_2R_2R_4+C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4} \\ - \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1R_1R_2+C_1R_1R_4+C_2R_2R_4+C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4} \\ - \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1R_1R_2+C_1R_1R_4+C_2R_2R_4+C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4} \\ - \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_2+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1R_1R_2+C_1R_1R_4+C_2R_2R_4+C_3R_1R_4+C_3R_2R_4+C_4R_2R_4-C_5R_2R_4} \\ - \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{
                      wo: \sqrt{R_2 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 + C_1 C_4 R_1 R_2 R_4 - C_1 C_5 R_1 R_2 R_4 + C_2 C_3 R_1 R_2 R_4}
                   \frac{\sqrt{R_2 + R_4} (C_1 R_1 R_2 + C_1 R_1 R_4 + C_2 R_2 R_4 + C_3 R_1 R_4 + C_3 R_2 R_4 + C_4 R_2 R_4 - C_5 R_2 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_4 + C_1 C_3 R_1 R_2 R_4 + C_1 C_5 R_
                       K-LP: 0
                      K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}
                    K-BP: \frac{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{6}R_{1}R_{2}+C_{1}C_{6}R_{1}R_{4}+C_{2}C_{6}R_{2}R_{4}+C_{3}C_{6}R_{1}R_{4}+C_{3}C_{6}R_{2}R_{4}+C_{4}C_{6}R_{2}R_{4}+C_{5}C_{6}R_{2}R_{4}}{\text{Qz: None}}
                       Wz: None
8.424 X-INVALID-NUMER-424 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)
                                                                                      \frac{C_{3}C_{5}R_{1}R_{2}R_{4}R_{5}s^{2}+C_{3}R_{1}R_{2}R_{4}R_{6}s}{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}
           Parameters:
```

$$Q: \frac{-c_{1}c_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}}{C_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}}} - c_{1}c_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}}{C_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}}} - c_{1}c_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}c_{2}+c_{1}c_{3}+c_{1}c_{4}-c_{1}c_{5}+c_{2}c_{3}}{C_{1}R_{2}R_{4}R_{5}-c_{1}R_{1}R_{2}R_{5}-c_{1}R_{1}R_{2}R_{5}-c_{1}R_{1}R_{2}R_{5}-c_{1}R_{1}R_{2}R_{5}-c_{1}R_{1}R_{2}R_{5}-c_{1}R_{2}R_{4}R_{5}-c_{1}c_{2}R_{2}R_{4}R_{5}-c_{1}c_{2}R_{2}R_{4}R_{5}-c_{1}c_{2}R_{4}R_{5}-c_{2}R_{4}R_{5}}} \\ bandwidth: \frac{-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}}{-C_{1}C_{2}R_{1}R_{2}R_{4}R_{5}+c_{1}C_{3}R_{1}R_{2}R_{4}R_{5}-c_{1}C_{5}R_{2}R_{4}R_{5}-c_{1}C_{5}R_{2}R_{4}R_{5}-c_{1}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{3}-c_{1}C_{4}C_{4}C_{5}-c_{2}C_{5}-c_{1}C_{4}C_{4}C_{$$

8.425 X-INVALID-NUMER-425 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 - C_1C_5C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + C_1C_6R_1R_2R_4 + C_1C_6R$

Parameters:

Qz: None Wz: None

```
\frac{R_4 R_5}{-C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} - C_1 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_2 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_2 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_2 C_3} + \frac{R_4 R_5}{C_1
                       Wo: \sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_4R_1R_2R_4R_5-C_1C_5R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}
                                                                                                              -C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+\frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}+\frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}+\frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1
                     K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}
                      K-HP: 0
                      \text{K-BP:} - \frac{C_3C_5R_1R_2R_4R_5}{C_1C_6R_1R_2R_4 - C_1C_6R_1R_2R_5 - C_1C_6R_1R_4R_5 - C_2C_6R_2R_4R_5 - C_3C_6R_1R_4R_5 - C_3C_6R_2R_4R_5 - C_3C_6R_2R_4R_5 - C_4C_6R_2R_4R_5 + C_5C_6R_2R_4R_5 - C_4C_6R_2R_4R_5 - C_4C_6R_4R_4R_5 - C_4C_6R_4R_5 - C_4C_6R_4R_5 - C_4C_6R_4R_5 - C_4C_6R_5R_5R_5 - C_4C_6R_5R_5 - C_4C_6R_5R_5 - C_4C_6R_5R_5 - C_4C_6R_5R_5 
                          Qz: None
                       Wz: None
8.426 X-INVALID-NUMER-426 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6
H(s) = \frac{c_{3}c_{1}c_{2}c_{3}c_{4}c_{0}c_{0}}{R_{1}R_{4}R_{5} - R_{2}R_{3}R_{4} + R_{2}R_{3}R_{5} + R_{2}R_{4}R_{5} + R_{3}R_{4}R_{5} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{1}R_{1}R_{2}R_{3}R_{4} + C_{1}R_{1}R_{2}R_{3}R_{4} + C_{1}R_{1}R_{2}R_{3}R_{4} + C_{1}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{3}R_
        Parameters:
                      bandwidth: -\frac{1}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2R_1R_2R_3R_4R_5+C_1C_3}}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_2C_3}\sqrt{C_1C_2R_1R_2R_3R_4R_5+C_1C_3}}
K-LP: \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}
                     \text{K-BP:} - \frac{C_3 R_1 R_2 R_3 R_4 R_6}{C_1 R_1 R_2 R_3 R_4 - C_1 R_1 R_2 R_3 R_5 - C_1 R_1 R_2 R_4 R_5 - C_1 R_1 R_3 R_4 R_5 - C_2 R_1 R_2 R_4 R_5 - C_2 R_2 R_3 R_4 R_5 - C_3 R_1 R_3 R_4 R_5 - C_3 R_2 R_3 R_4 R_5}
                          Qz: None
                          Wz: None
8.427 X-INVALID-NUMER-427 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s
                                                                                  H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4 + C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_3R_3R_3R_4 + C_3R_3R_4 + C_3R_3R_3R_4 + C_3R_3R_4 + C_3R_
           Parameters:
                                          \underbrace{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}}{C_{1}R_{1}R_{2}R_{3}+C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{3}R_{4}+C_{2}R_{1}R_{2}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}+C_{3}R_{3}+C_{3}R_{3}+C_{3}R_{3}+C_{3}R_{3}+C_{3}R_{3}+
                       wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} (C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4) \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4 + C_3R_2R_3R_4 + C_3R_3R_4 + C_3R_2R_3R_4 + C_3R_
                      K-LP: 0
                     K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}
                     \text{K-BP: } \frac{C_5 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_3 R_1 R_3 R_4 + C_3 R_2 R_3 R_4 - C_5 R_2 R_3 R_4}
                          Qz: None
                       Wz: None
8.428 X-INVALID-NUMER-428 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4
H(s) = \frac{1}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_
        Parameters:
                                          . \frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{
                      wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} (C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4) \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4 + C_3R_2R_3R_4 + C_3R_3R_3R_4 + C_3R_3R_4 +
                       \frac{1}{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_
                     K-LP: \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4}
```

K-HP: 0

 $\text{K-BP: } \frac{C_3C_5R_1R_2R_3R_4}{C_1C_6R_1R_2R_3+C_1C_6R_1R_2R_4+C_1C_6R_1R_3R_4+C_2C_6R_1R_2R_4+C_2C_6R_2R_3R_4+C_3C_6R_1R_3R_4+C_3C_6R_2R_3R_4+C_3C_6R_3R_3R_4+C_3C_5R_3R_3R_4+C_3C_5R_3R_3C_5R_3R_3R_3+C_3C_5R_3R_3R_3+C_3C_3R_3R_3+C_3C_3R_3R_3+C_3C_3R_3$

Qz: None

Wz: None

8.429 X-INVALID-NUMER-429 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, R_6\right)$

 $C_3R_1R_2R_3R_6s + R_1R_2R_6$

 $H(s) = \frac{\frac{c_3 R_1 R_2 R_3 R_5 + R_1 R_2 R_3 + R_2 R_5 + R_3 R_5 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_5 + C_1 C_3 R_1 R_2 R_3 R_5 + C_2 C_3 R_1 R_2 R_3 R_5 \right) + s \left(-C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_5 + C_1 R_1 R_2 R_5 + C_2 R_2 R_3 R_5 + C_3 R_1 R_3 R_5 + C_3 R_2 R_3 R_5 + C_4 R_2 R_3 R_5 \right)}{R_1 R_2 R_3 R_5 + R_2 R_3 R_5 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_5 + C_1 C_3 R_1 R_2 R_3 R_5 + C_2 C_3 R_1 R_2 R_3 R_5 \right) + s \left(-C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_5 + C_2 R_1 R_2 R_5 + C_2 R_2 R_3 R_5 + C_3 R_1 R_3 R_5 + C_4 R_2 R_3 R_5 \right)}$

Parameters:

Q: $-\frac{\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{C_1R_1R_2R_3-C_1R_1R_2R_5-C_1R_1R_2R_5-C_2R_1R_2R_5-C_2R_2R_3R_5-C_3R_1R_3R_5-C_3R_2R_3R_5-C_4R_2R_3R_5}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_1C_2R_1R_2R_3R_5+C_1C_3R_1R_2R_3R_5+C_1C_4R_2R_3R_5}}$ bandwidth: $-\frac{C_1R_2R_3-C_1R_1R_2R_3-C_1R_1R_2R_5-C_1R_1R_3R_5-C_2R_1R_2R_3-C_3R_1R_3R_5-C_3R_2R_3R_5-C_4R_2R_3R_5}{\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{C_1C_2+C_1C_3+C_1C_4+C_2C_3}\sqrt{C_1C_2R_1R_2R_3R_5+C_1C_3R_1R_2R_3R_5+C_1C_4R_1R_2R_3R_5+C_2C_3R_1}}$ K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: 0

 $\text{K-BP:} - \frac{C_3 R_1 R_2 R_3 R_6}{C_1 R_1 R_2 R_3 - C_1 R_1 R_2 R_5 - C_1 R_1 R_3 R_5 - C_2 R_1 R_2 R_5 - C_2 R_2 R_3 R_5 - C_3 R_1 R_3 R_5 - C_3 R_2 R_3 R_5 - C_4 R_2 R_3 R_5}$

Qz: None Wz: None

8.430 X-INVALID-NUMER-430 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^2\left(C_1C_2R_1R_2R_3 + C_1C_3R_1R_2R_3 + C_1C_5R_1R_2R_3 + C_2C_3R_1R_2R_3 + C_1R_1R_2 + C_1R_1R_3 + C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3\right)}{R_1 + R_2 + R_3 + s^2\left(C_1C_2R_1R_2R_3 + C_1C_3R_1R_2R_3 + C_1C_5R_1R_2R_3 + C_2C_3R_1R_2R_3 + C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3\right)}$

Parameters:

 $+ \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}$

wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_3 + C_1 C_3 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3}$

 $\sqrt{R_1 + R_2 + R_3} (C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_2 R_3 + C_3 R_1 R_3 + C_3 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3) \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_3 + C_1 C_3 R_1 R_2 R_3 + C_1 C_5 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3 + C_3 C_3 R_3 + C_3 C_$ $\frac{\sqrt{-1-2-1-2-3-1$

K-LP: 0

 $\begin{array}{l} \text{K-HP:} \ \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP:} \ \frac{C_5R_1R_2R_6}{C_1R_1R_2+C_1R_1R_3+C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3} \\ \end{array}$

Qz: None

Wz: None

8.431 X-INVALID-NUMER-431 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_3s + C_5R_1R_2$ $H(s) = \frac{-3.5311.2233 + 3.511.2}{C_6R_1 + C_6R_2 + C_6R_3 + s^2 \left(C_1C_2C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_2C_3C_6R_1R_2R_3 + C_2C_6R_1R_2 + C_2$

Parameters:

 $Q: \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2$

wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_3 + C_1 C_3 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3}$

 $\sqrt{R_1 + R_2 + R_3} (C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_2 R_3 + C_3 R_1 R_3 + C_3 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3) \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_3 + C_1 C_3 R_1 R_2 R_3 + C_1 C_5 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3 + C_3 R_1 R_3$

 $\frac{\text{bandwidth:}}{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$

K-HP: 0

K-BP: $\frac{C_3C_5R_1R_2R_3}{C_1C_6R_1R_2+C_1C_6R_1R_3+C_2C_6R_1R_2+C_2C_6R_2R_3+C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3-C_5C_6R_2R_3}$ Qz: None

```
8.432 X-INVALID-NUMER-432 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6
H(s) = \frac{1}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + C_1 C_2 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 R_1 R_2 R_3 R_4 R_5 + C_1 C_4 R_1 R_2 R_3 R_4 R_5 + C_1 C_4 R_1 R_2 R_3 R_4 R_5 + C_1 R_1 R_2 R_3 R_4 + C_1 R_1 R_2 R_3 
        Parameters:
                   Wz: None
8.433 X-INVALID-NUMER-433 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s
                                            \overline{R_{1}R_{4} + R_{2}R_{3} + R_{2}R_{4} + R_{3}R_{4} + s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{5}R_{1}R_{2}R_{3}R_{4} + C_{
        Parameters:
                                   : \frac{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4
                   wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4}}
                \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_2R_3R_4 + C_3R_2R_3R
                    K-LP: 0
                 K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}
                   \begin{array}{l} \text{K-BP:} \  \  \frac{C_5 R_1 R_2 R_4 R_6}{C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_2 R_1 R_2 R_4 + C_3 R_3 R_4 + C_3 R_2 R_3 R_4 + C_4 R_2 R_3 R_4 - C_5 R_2 R_3 R_4} \\ \text{CONTRACTOR } \end{array} 
                    Wz: None
8.434 X-INVALID-NUMER-434 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4
                                             \frac{-\frac{1}{3}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{4}+C_{6}R_{3}R_{4}+c_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_
                                    \underbrace{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}}_{C_{1}R_{1}R_{2}R_{3}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3}R_{4}+C_{3}R_{3
                   wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1R_2R_3R_4 + C_1R
                   K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}
                    K-HP: 0^{\circ}
```

9 X-INVALID-ORDER

9.1 X-INVALID-ORDER-1 $Z(s) = (R_1, R_2, R_3, R_4, R_5, R_6)$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}$$

9.2 X-INVALID-ORDER-2 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_1 R_2 R_4}{s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5 \right)}$$

9.3 X-INVALID-ORDER-3 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6R_1R_2R_4R_6s + R_1R_2R_4}{s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.4 X-INVALID-ORDER-4 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_6 R_1 R_4 R_5 R_6 - C_6 R_2 R_3 R_4 R_6 + C_6 R_2 R_3 R_5 R_6 + C_6 R_2 R_4 R_5 R_6 + C_6 R_3 R_4 R_5 R_6\right)}$$

9.5 X-INVALID-ORDER-5 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{-C_5 R_2 R_3 R_4 s + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4}$$

9.6 X-INVALID-ORDER-6 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4}{-C_5 C_6 R_2 R_3 R_4 s + C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4}$$

9.7 X-INVALID-ORDER-7 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{-C_5C_6R_2R_3R_4s + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4}$$

9.8 X-INVALID-ORDER-8 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(C_5 R_1 R_4 R_5 - C_5 R_2 R_3 R_4 + C_5 R_2 R_3 R_5 + C_5 R_2 R_4 R_5 + C_5 R_3 R_4 R_5\right)}$$

9.9 X-INVALID-ORDER-9 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s \left(C_5 C_6 R_1 R_4 R_5 - C_5 C_6 R_2 R_3 R_4 + C_5 C_6 R_2 R_3 R_5 + C_5 C_6 R_2 R_4 R_5 + C_5 C_6 R_3 R_4 R_5 \right)}$$

9.10 X-INVALID-ORDER-10 $Z(s) = \left(R_1, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_5C_6R_1R_4R_5 - C_5C_6R_2R_3R_4 + C_5C_6R_2R_3R_5 + C_5C_6R_2R_4R_5 + C_5C_6R_3R_4R_5\right)}$$

9.11 X-INVALID-ORDER-11 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_5 R_6 s + R_1 R_2 R_4 R_6}{-C_5 R_2 R_3 R_4 R_5 s + R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}$$

9.12 X-INVALID-ORDER-12 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_5 s + R_1 R_2 R_4}{-C_5 C_6 R_2 R_3 R_4 R_5 s^2 + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.13 X-INVALID-ORDER-13 $Z(s) = \left(R_1, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_1 R_2 R_4 R_5 R_6 s^2 + R_1 R_2 R_4 + s \left(C_5 R_1 R_2 R_4 R_5 + C_6 R_1 R_2 R_4 R_6\right)}{-C_5 C_6 R_2 R_3 R_4 R_5 s^2 + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.14 X-INVALID-ORDER-14 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{R_1 R_2 R_6}{C_4 R_2 R_3 R_5 s + R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5}$$

9.15 X-INVALID-ORDER-15 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_1 R_2}{C_4 C_6 R_2 R_3 R_5 s^2 + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5 \right)}$$

9.16 X-INVALID-ORDER-16 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_1 R_2 R_6 s + R_1 R_2}{C_4 C_6 R_2 R_3 R_5 s^2 + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5 \right)}$$

9.17 X-INVALID-ORDER-17 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s \left(C_4 R_2 R_3 - C_5 R_2 R_3\right)}$$

9.18 X-INVALID-ORDER-18 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s \left(C_4 C_6 R_2 R_3 - C_5 C_6 R_2 R_3\right)}$$

9.19 X-INVALID-ORDER-19 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_1 R_2 R_6 s + C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s \left(C_4 C_6 R_2 R_3 - C_5 C_6 R_2 R_3\right)}$$

9.20 X-INVALID-ORDER-20 $Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_6 s}{C_4 C_5 C_6 R_2 R_3 R_5 R_6 s^3 + R_1 + R_2 + R_3 + s^2 \left(C_4 C_5 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_6 + C_5 C_6 R_2 R_3 R_6 + C_5 C_6 R_2 R_5 R_6 + C_5 C_6 R_2 R_3 R_5 R_6 \right) + s \left(C_4 R_2 R_3 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_2 R_5 + C_5 R_3 R_5 + C_6 R_1 R_6 + C_6 R_2 R_6 + C_6 R_3 R_6 \right)}$$

9.21 X-INVALID-ORDER-21
$$Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_5 R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s \left(C_4 R_2 R_3 R_5 - C_5 R_2 R_3 R_5 \right)}$$

9.22 X-INVALID-ORDER-22
$$Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_2 R_5 s + R_1 R_2}{s^2 \left(C_4 C_6 R_2 R_3 R_5 - C_5 C_6 R_2 R_3 R_5 \right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5 \right)}$$

9.23 X-INVALID-ORDER-23
$$Z(s) = \left(R_1, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_1 R_2 R_5 R_6 s^2 + R_1 R_2 + s \left(C_5 R_1 R_2 R_5 + C_6 R_1 R_2 R_6\right)}{s^2 \left(C_4 C_6 R_2 R_3 R_5 - C_5 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5\right)}$$

9.24 X-INVALID-ORDER-24
$$Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_4 R_1 R_2 R_4 R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s \left(C_4 R_1 R_4 R_5 - C_4 R_2 R_3 R_4 + C_4 R_2 R_3 R_5 + C_4 R_2 R_4 R_5 + C_4 R_3 R_4 R_5 \right)}$$

9.25 X-INVALID-ORDER-25
$$Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_4 R_1 R_2 R_4 s + R_1 R_2}{s^2 \left(C_4 C_6 R_1 R_4 R_5 - C_4 C_6 R_2 R_3 R_4 + C_4 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_4 R_5 + C_4 C_6 R_3 R_4 R_5 \right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5 \right)}$$

9.26 X-INVALID-ORDER-26
$$Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_4C_6R_1R_2R_4R_6s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_6R_1R_2R_6\right)}{s^2\left(C_4C_6R_1R_4R_5 - C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$$

9.27 X-INVALID-ORDER-27
$$Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{-C_4C_5C_6R_2R_3R_4R_6s^3 + R_1 + R_2 + R_3 + s^2\left(-C_4C_5R_2R_3R_4 + C_4C_6R_1R_4R_6 + C_4C_6R_2R_3R_6 + C_4C_6R_2R_3R_6\right) + s\left(C_4R_1R_4 + C_4R_2R_3 + C_4R_2R_4 + C_4R_3R_4 - C_5R_2R_3 + C_6R_1R_6 + C_6R_2R_6\right)}$$

9.28 X-INVALID-ORDER-28 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s$$

$$H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1 + R_2 + R_3 + s^3\left(C_4C_5C_6R_1R_4R_5R_6 - C_4C_5C_6R_2R_3R_5R_6 + C_4C_5C_6R_2R_3R_5R_6 + C_4C_5C_6R_2R_4R_5R_6 + C_4C_5C_6R_2R_4R_5R_6 + C_4C_5R_2R_3R_4 + C_4C_5R_2R_3R_5 + C_4C_5R_2R_3R_5 + C_4C_5R_2R_3R_4 + C_4C_5R_2R_3R_5 + C_4C_5R_2R_3R_4 + C_4C_5R_2R_3R_5 + C_4C_5R_2R_3R_4 + C_4C_5R_2R_3R_5 + C_4C_5R_3R_3R_5 + C_4C_5R_3R_5R_5 + C_4C_5R_3R_5R_5 + C_4C_5R_3R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_$$

9.29 X-INVALID-ORDER-29 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5R_1R_2R_4R_5s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_5R_1R_2R_5\right)}{-C_4C_5C_6R_2R_3R_4R_5s^3 + s^2\left(C_4C_6R_1R_4R_5 - C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_3R_4R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$$

9.30 X-INVALID-ORDER-30
$$Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_4C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_2 + s^2\left(C_4C_5R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_6 + C_5C_6R_1R_2R_5R_6\right) + s\left(C_4R_1R_2R_4 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{-C_4C_5C_6R_2R_3R_4R_5s^3 + s^2\left(C_4C_6R_1R_4R_5 - C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_$$

9.31 X-INVALID-ORDER-31
$$Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + s\left(C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}{-C_4C_5C_6R_2R_3R_4R_5R_6s^3 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(-C_4C_5R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_6 + C_4C_6R_2R_3R_4R_5R_6 + C_4C_6R_2R_3R_4R_5R_6 - C_5C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_4R_5 + C_4C_6R_4R_5R_5 + C_4C_6R_4R_5 + C_4C_6R_4R_5 + C_4C_$

9.32 X-INVALID-ORDER-32 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{C_4 R_2 R_3 R_4 R_5 s + R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5}$$

9.33 X-INVALID-ORDER-33 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_1 R_2 R_4}{C_4 C_6 R_2 R_3 R_4 R_5 s^2 + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.34 X-INVALID-ORDER-34 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6R_1R_2R_4R_6s + R_1R_2R_4}{C_4C_6R_2R_3R_4R_5s^2 + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.35 X-INVALID-ORDER-35 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(C_4 R_2 R_3 R_4 - C_5 R_2 R_3 R_4\right)}$$

9.36 X-INVALID-ORDER-36 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s \left(C_4 C_6 R_2 R_3 R_4 - C_5 C_6 R_2 R_3 R_4 \right)}$$

9.37 X-INVALID-ORDER-37 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_1 R_2 R_4 R_6 s + C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s \left(C_4 C_6 R_2 R_3 R_4 - C_5 C_6 R_2 R_3 R_4\right)}$$

9.38 X-INVALID-ORDER-38 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$C_5R_1R_2R_4R_6s$$

 $\frac{C_5R_1R_2R_4R_6s}{C_4C_5C_6R_2R_3R_4R_5R_6s^3 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_4C_5R_2R_3R_4R_6 + C_5C_6R_2R_3R_4R_6 + C_5C_6R_2R_3R_4R_5R_6 + C_5C_6R_2R_3R_4R_5 + C_5C_6R_2R_5R_5 + C_5C_6R_5R_5R_5 + C_5C_6R_5R_5R_5 + C_5C_6R_5R_5R_5 + C_5C_6R_5R_5 + C_5C_6R_5$

9.39 X-INVALID-ORDER-39 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_5 R_6 s + R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_4 R_2 R_3 R_4 R_5 - C_5 R_2 R_3 R_4 R_5\right)}$$

9.40 X-INVALID-ORDER-40 $Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_5 s + R_1 R_2 R_4}{s^2 \left(C_4 C_6 R_2 R_3 R_4 R_5 - C_5 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.41 X-INVALID-ORDER-41
$$Z(s) = \left(R_1, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_5C_6R_1R_2R_4R_5R_6s^2 + R_1R_2R_4 + s\left(C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^2\left(C_4C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.42 X-INVALID-ORDER-42
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s \left(C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5\right)}$$

9.43 X-INVALID-ORDER-43
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4}{-C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s \left(C_3 C_6 R_1 R_4 R_5 + C_3 C_6 R_2 R_4 R_5\right)}$$

9.44 X-INVALID-ORDER-44
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5\right)}$$

9.45 X-INVALID-ORDER-45
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_1 R_2 R_4 R_6 s^2}{R_2 + R_4 + s \left(C_3 R_1 R_4 + C_3 R_2 R_4 - C_5 R_2 R_4\right)}$$

9.46 X-INVALID-ORDER-46
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_5 R_1 R_2 R_4 s}{C_6 R_2 + C_6 R_4 + s \left(C_3 C_6 R_1 R_4 + C_3 C_6 R_2 R_4 - C_5 C_6 R_2 R_4 \right)}$$

9.47 X-INVALID-ORDER-47
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

9.48 X-INVALID-ORDER-48
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

9.49 X-INVALID-ORDER-49 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s\left(C_3R_1R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

9.50 X-INVALID-ORDER-50
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

9.51 X-INVALID-ORDER-51
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

9.52 X-INVALID-ORDER-52
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_6 s}{-R_2 + R_5 + s \left(C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5\right)}$$

9.53 X-INVALID-ORDER-53
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2}{-C_6 R_2 + C_6 R_5 + s \left(C_3 C_6 R_1 R_5 + C_3 C_6 R_2 R_5 + C_4 C_6 R_2 R_5\right)}$$

9.54 X-INVALID-ORDER-54
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_1R_2R_6s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s\left(C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5\right)}$$

9.55 X-INVALID-ORDER-55
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_1 R_2 R_6 s^2}{s (C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2) + 1}$$

9.56 X-INVALID-ORDER-56
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_5 R_1 R_2 s}{C_6 + s \left(C_3 C_6 R_1 + C_3 C_6 R_2 + C_4 C_6 R_2 - C_5 C_6 R_2 \right)}$$

9.57 X-INVALID-ORDER-57
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s\left(C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2\right)}$$

9.58 X-INVALID-ORDER-58
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^3\left(C_3C_5C_6R_1R_5R_6 + C_3C_5C_6R_2R_5R_6 + C_4C_5C_6R_2R_5R_6\right) + s^2\left(C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_6R_2R_6 + C_4C_5R_2R_6 + C_5C_6R_2R_6 + C_5C_6R_5R_6\right) + s\left(C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_5R_5 + C_6R_6\right) + 1}$$

9.59 X-INVALID-ORDER-59
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s\left(C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5 - C_5R_2R_5\right)}$$

9.60 X-INVALID-ORDER-60
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_5s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s\left(C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$$

9.61 X-INVALID-ORDER-61 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s\left(C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$$

9.62 X-INVALID-ORDER-62 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_3C_4C_6R_1R_4R_5R_6 + C_3C_4C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5 + C_3C_4R_2R_4R_5 + C_3C_6R_1R_5R_6 + C_3C_6R_2R_5R_6 - C_4C_6R_2R_4R_6 + C_4C_6R_2R_5R_6 + C_4C_6R_5R_6 +$

9.63 X-INVALID-ORDER-63 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^2\left(C_3C_4R_1R_4 + C_3C_4R_2R_4 - C_4C_5R_2R_4\right) + s\left(C_3R_1 + C_3R_2 + C_4R_2 + C_4R_4 - C_5R_2\right) + 1}$$

9.64 X-INVALID-ORDER-64 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_6 + s^2\left(C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_4 - C_4C_5C_6R_2R_4\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 + C_4C_6R_4 - C_5C_6R_2\right)}$$

9.65 X-INVALID-ORDER-65 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^3\left(C_3C_4C_6R_1R_4R_6 + C_3C_4C_6R_2R_4R_6 - C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_2R_4 + C_3C_6R_1R_6 + C_3C_6R_2R_6 - C_4C_5R_2R_4 + C_4C_6R_4R_6 - C_5C_6R_2R_6\right) + s\left(C_3R_1 + C_3R_2 + C_4R_4 + C_5R_2 + C_6R_6\right) + 1}$$

9.66 X-INVALID-ORDER-66 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^3\left(C_3C_4C_5R_1R_4R_5 + C_3C_4C_5R_2R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_2R_4 + C_3C_5R_1R_5 + C_3C_5R_2R_5 - C_4C_5R_2R_4 + C_4C_5R_2R_5 + C_4C_5R_4R_5\right) + s\left(C_3R_1 + C_3R_2 + C_4R_4 - C_5R_2 + C_5R_5\right) + 1}$$

9.67 X-INVALID-ORDER-67 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.68 X-INVALID-ORDER-68 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_6 + s^3\left(C_3C_4C_5C_6R_1R_4R_5 + C_3C_4C_5C_6R_2R_4 + C_3C_5C_6R_2R_5 - C_4C_5C_6R_2R_4 + C_4C_5C_6R_2R_5 + C_4C_5C_6R_4R_5\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 + C_4C_6R_4 + C_5C_6R_2\right)}$$

9.69 X-INVALID-ORDER-69 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^4\left(C_3C_4C_5C_6R_1R_4R_5R_6 + C_3C_4C_5R_2R_4R_5 + C_3C_4C_5R_2R_4R_5 + C_3C_4C_5R_2R_4R_6 + C_3C_5C_6R_2R_4R_6 + C_3C_5C_6R_4R_5R_6 + C_3C_5C_6R_5R_5R_6 + C_3C_5C_6R_5R_5R_6 + C_3C_5C_6R_5R_5R_5 + C_3C_5C_5R_5R_5 + C_3C_5C_5R_5$$

9.70 X-INVALID-ORDER-70 $Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_6 + C_3C_5R_1R_2R_5R_6\right)}{-R_2 + R_5 + s^2\left(C_3C_4R_1R_4R_5 + C_3C_4R_2R_4R_5 - C_4C_5R_2R_4R_5\right) + s\left(C_3R_1R_5 + C_3R_2R_5 - C_4R_2R_4 + C_4R_2R_5 + C_4R_4R_5 - C_5R_2R_5\right)}$$

$$\textbf{9.71} \quad \textbf{X-INVALID-ORDER-71} \ \ Z(s) = \left(R_1, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 s^3 + C_3 R_1 R_2 + s^2 \left(C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_3 C_4 C_6 R_1 R_2 R_4 R_6 + C_3 C_5 C_6 R_1 R_2 R_5 R_6\right) + s \left(C_3 C_4 R_1 R_2 R_4 + C_3 C_5 R_1 R_2 R_5 + C_3 C_6 R_1 R_2 R_6\right) }{-C_6 R_2 + C_6 R_5 + s^2 \left(C_3 C_4 C_6 R_1 R_4 R_5 + C_3 C_4 C_6 R_2 R_4 R_5 - C_4 C_5 C_6 R_2 R_4 R_5\right) + s \left(C_3 C_6 R_1 R_5 + C_3 C_6 R_2 R_4 + C_4 C_6 R_2 R_5 + C_4 C_6 R_4 R_5 - C_5 C_6 R_2 R_5\right) }$$

9.72 X-INVALID-ORDER-72
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_6 + C_3C_5R_1R_2R_5R_6\right)}{-R_2 + R_5 + s^3\left(C_3C_4C_6R_1R_4R_5R_6 + C_3C_6R_2R_4R_5R_6 - C_4C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5 + C_3C_6R_1R_5R_6 + C_3C_6R_2R_4R_5 - C_4C_6R_2R_4R_6 + C_4C_6R_4R_4R_6 + C_4C_6R_4R_$$

9.73 X-INVALID-ORDER-73
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s \left(C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 + C_4 R_2 R_4 R_5\right)}$$

9.74 X-INVALID-ORDER-74
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_4}{-C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s \left(C_3 C_6 R_1 R_4 R_5 + C_3 C_6 R_2 R_4 R_5 + C_4 C_6 R_2 R_4 R_5\right)}$$

9.75 X-INVALID-ORDER-75
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5\right)}$$

9.76 X-INVALID-ORDER-76
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_1 R_2 R_4 R_6 s^2}{R_2 + R_4 + s \left(C_3 R_1 R_4 + C_3 R_2 R_4 + C_4 R_2 R_4 - C_5 R_2 R_4\right)}$$

9.77 X-INVALID-ORDER-77
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

9.78 X-INVALID-ORDER-78
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_4C_6R_2R_4 - C_5C_6R_2R_4\right)}$$

9.79 X-INVALID-ORDER-79
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_3C_5C_6R_1R_4R_5R_6 + C_3C_5C_6R_2R_4R_5R_6 + C_4C_5C_6R_2R_4R_5 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6 + C_4C_5R_2R_4R_6 + C_5C_6R_2R_4R_6 + C_5C_6R_4R_5R_6 + C_5C_6R_4R_5R_6 + C_5C_6R_4R_5R_6 + C_5C_6R_4R_5R_6 + C_5C_6R_4R_5R_6 + C_5C_6R_5R_5R_6 +$$

9.80 X-INVALID-ORDER-80
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s\left(C_3R_1R_4R_5 + C_3R_2R_4R_5 + C_4R_2R_4R_5 - C_5R_2R_4R_5\right)}$$

9.81 X-INVALID-ORDER-81
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

9.82 X-INVALID-ORDER-82
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

9.83 X-INVALID-ORDER-83 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s \left(C_3 R_1 R_4 R_5 - C_3 R_2 R_3 R_4 + C_3 R_2 R_3 R_5 + C_3 R_2 R_4 R_5 + C_3 R_3 R_4 R_5\right)}$$

9.84 X-INVALID-ORDER-84 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_4}{-C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s \left(C_3 C_6 R_1 R_4 R_5 - C_3 C_6 R_2 R_3 R_4 + C_3 C_6 R_2 R_3 R_5 + C_3 C_6 R_2 R_4 R_5 + C_3 C_6 R_3 R_4 R_5\right)}$$

9.85 X-INVALID-ORDER-85 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_3R_4R_5\right)}$$

9.86 X-INVALID-ORDER-86 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{-C_3C_5C_6R_2R_3R_4R_6s^3 + R_2 + R_4 + s^2\left(-C_3C_5R_2R_3R_4 + C_3C_6R_2R_3R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 - C_5R_2R_4 + C_6R_2R_6 + C_6R_4R_6\right)}{-C_3C_5C_6R_2R_3R_4R_6s^3 + R_2 + R_4 + s^2\left(-C_3C_5R_2R_3R_4 + C_3C_6R_2R_3R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 + C_5R_2R_4 + C_6R_2R_6 + C_6R_4R_6\right)}$$

9.87 X-INVALID-ORDER-87 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_3C_5C_6R_1R_4R_5R_6 - C_3C_5C_6R_2R_3R_4R_6 + C_3C_5C_6R_2R_3R_5R_6 + C_3C_5C_6R_2R_4R_5R_6 + C_3C_5C_6R_3R_4R_5R_6\right) + s^2\left(C_3C_5R_1R_4R_5 - C_3C_5R_2R_3R_5 + C_3C_5R_2R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_$$

9.88 X-INVALID-ORDER-88 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$\frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-C_3C_5C_6R_2R_3R_4R_5R_6s^3 - R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(-C_3C_5R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_6 + C_3C_6R_2R_3R_5R_6 + C_3C_6R_2R_4R_5R_6\right) + s\left(C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 +$$

9.89 X-INVALID-ORDER-89 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_6 s}{C_3 C_4 C_6 R_2 R_3 R_5 R_6 s^3 - R_2 + R_5 + s^2 \left(C_3 C_4 R_2 R_3 R_5 + C_3 C_6 R_1 R_5 R_6 - C_3 C_6 R_2 R_3 R_6 + C_3 C_6 R_2 R_5 R_6 + C_4 C_6 R_2 R_5 R_6\right) + s \left(C_3 R_1 R_5 - C_3 R_2 R_3 + C_3 R_2 R_5 + C_3 R_3 R_5 + C_4 R_2 R_5 - C_6 R_2 R_6 + C_6 R_5 R_6\right)}$$

9.90 X-INVALID-ORDER-90 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^3\left(C_3C_4C_6R_2R_3R_6 - C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_3C_4R_2R_3 - C_3C_5R_2R_3 + C_3C_6R_1R_6 + C_3C_6R_2R_6 + C_4C_6R_2R_6 - C_5C_6R_2R_6\right) + s\left(C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 - C_5R_2 + C_6R_6\right) + 1}$$

9.91 X-INVALID-ORDER-91 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{C_3C_4C_5R_2R_3R_5s^3 + s^2\left(C_3C_4R_2R_3 + C_3C_5R_1R_5 - C_3C_5R_2R_3 + C_3C_5R_2R_5 + C_4C_5R_2R_5\right) + s\left(C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 - C_5R_2 + C_5R_5\right) + 1}$$

9.92 X-INVALID-ORDER-92 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2s}{C_3C_4C_5C_6R_2R_3R_5s^3 + C_6 + s^2\left(C_3C_4C_6R_2R_3 + C_3C_5C_6R_1R_5 - C_3C_5C_6R_2R_3 + C_3C_5C_6R_2R_5 + C_3C_5C_6R_2R_5 + C_4C_5C_6R_2R_5\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2 + C_5C_6R_2\right)}$$

9.93 X-INVALID-ORDER-93 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_3C_4C_5C_6R_2R_3R_5s^3 + C_6 + s^2\left(C_3C_4C_6R_2R_3 + C_3C_5C_6R_1R_5 - C_3C_5C_6R_2R_3 + C_3C_5C_6R_2R_5 + C_4C_5C_6R_2R_5\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2 + C_5C_6R_2\right)}$$

9.94 X-INVALID-ORDER-94 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{C_3C_4C_5C_6R_2R_3R_5R_6s^4 + s^3\left(C_3C_4C_5R_2R_3R_5 + C_3C_4C_6R_2R_3R_6 + C_3C_5C_6R_2R_3R_6 + C_3C_5C_6R_2R_5R_6 + C_3C_5C_6R_2R_5R_6 + C_3C_5C_6R_2R_5R_6 + C_3C_5C_6R_2R_5R_6 + C_3C_5C_6R_2R_3R_5 + C_3C_5R_2R_3 + C_3C_5R_3R_3 + C_3C_5R_3R_3$$

9.95 X-INVALID-ORDER-95 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_3C_4C_6R_2R_3R_5R_6 - C_3C_5C_6R_2R_3R_5R_6\right) + s^2\left(C_3C_4R_2R_3R_5 - C_3C_5R_2R_3R_5 + C_3C_6R_1R_5R_6 - C_3C_6R_2R_3R_5 + C_3C_6R_2R_5R_6 + C_3C_6R_2R_5R_6 + C_3C_6R_2R_5R_6\right) + s\left(C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_3C_6R_2R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R$$

9.96 X-INVALID-ORDER-96 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_3C_4C_6R_1R_4R_5R_6 - C_3C_4C_6R_2R_3R_4R_6 + C_3C_4C_6R_2R_4R_5R_6 + C_3C_4C_6R_3R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5 - C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5 + C_3C_4R_3R_4R_5 + C_3C_4R_3R_5 + C_3C_4R_5R_5 + C_3C_4R_5R_5 + C_3C_4R_5R_5 + C_3C_4R_5R_5 + C_3C_4R_5R_5 + C_3$$

9.97 X-INVALID-ORDER-97 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{-C_3C_4C_5R_2R_3R_4s^3 + s^2\left(C_3C_4R_1R_4 + C_3C_4R_2R_3 + C_3C_4R_2R_4 + C_3C_4R_3R_4 - C_3C_5R_2R_3 - C_4C_5R_2R_4\right) + s\left(C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 + C_4R_4 - C_5R_2\right) + 1}{s\left(C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 + C_4R_4 - C_5R_2\right) + 1}$$

9.98 X-INVALID-ORDER-98 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{-C_3C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_3 + C_3C_4C_6R_3R_4 - C_3C_5C_6R_2R_3 - C_4C_5C_6R_2R_4\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_4 - C_5C_6R_2\right)}$$

9.99 X-INVALID-ORDER-99 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{-C_3C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_4 + C_3C_4C_6R_3R_4 - C_3C_5C_6R_2R_3 - C_4C_5C_6R_2R_4\right) + s\left(C_3C_6R_1 + C_3C_6R_2 + C_3C_6R_3 + C_4C_6R_4 - C_5C_6R_2\right)}$$

9.100 X-INVALID-ORDER-100 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_4R_6s^2}{-C_3C_4C_5C_6R_2R_3R_4R_6s^4 + s^3\left(-C_3C_4C_5R_2R_3R_4 + C_3C_4C_6R_2R_3R_6 + C_3C_4C_6R_2R_4R_6 + C_3C_4C_6R_4R_4R_6 + C_3C_4C_6R_4R_4R$$

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9.101 X-INVALID-ORDER-101 Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^3\left(C_3C_4C_5R_1R_4R_5 - C_3C_4C_5R_2R_3R_4 + C_3C_4C_5R_2R_3R_5 + C_3C_4C_5R_2R_4R_5 + C_3C_4C_5R_3R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_2R_3 + C_3C_4R_3R_4 + C_3C_5R_1R_5 - C_3C_5R_2R_5 + C_3C_5R_3R_5 - C_4C_5R_2R_4 + C_4C_5R_2R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_2R_4 + C_3C_4R_3R_4 + C_3C_5R_1R_5 - C_3C_5R_2R_5 + C_3C_5R_3R_5 - C_4C_5R_2R_4 + C_4C_5R_2R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_4R_3R_4 + C_3C_5R_3R_5 - C_4C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_4R_3R_4 + C_3C_5R_3R_5 - C_4C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_4R_3R_4 + C_3C_5R_3R_5 - C_4C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_3C_5R_3R_5 - C_4C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_4R_3R_5 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_4 + C_3C_4R_5R_5 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_3R_5 + C_3C_5R_5R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_5R_5 + C_3C_5R_5R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_5R_5 + C_3C_5R_5R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_5R_5 + C_3C_5R_5R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_5R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_5R_5\right) + s^2\left(C_3C_4R_1R_4 + C_3C_4R_5R_5\right) + s^2\left(C_3C_4R_5R_5 + C_3C_5R_5R_5\right) + s
9.102 X-INVALID-ORDER-102 Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{C_6 + s^3\left(C_3C_4C_5C_6R_1R_4R_5 - C_3C_4C_5C_6R_2R_3R_4 + C_3C_4C_5C_6R_2R_3R_5 + C_3C_4C_5C_6R_2R_4R_5 + C_3C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_3 + C_3C_4C_6R_2R_3 + C_3C_5C_6R_2R_3 + C_3C_5C_6R_3R_3 + C_3C
9.103 X-INVALID-ORDER-103 Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_6 + s^3\left(C_3C_4C_5C_6R_1R_4R_5 - C_3C_4C_5C_6R_2R_3R_4 + C_3C_4C_5C_6R_2R_3R_5 + C_3C_4C_5C_6R_2R_4R_5 + C_3C_4C_5C_6R_2R_4 + C_3C_4C_6R_2R_4 + C_3C_4C_6R_2R_4 + C_3C_4C_6R_2R_4 + C_3C_4C_6R_2R_4 + C_3C_5C_6R_2R_3 + C_3C_5C_6R_3R_3 + C_3C_5C_6R_3R
9.104 X-INVALID-ORDER-104 Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                          \overline{s^4 \left( C_3 C_4 C_5 C_6 R_1 R_4 R_5 R_6 - C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_6 + C_3 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_3 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_3 C_4 C_5 C_6 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_3 C_4 C_5 R_1 R_4 R_5 - C_3 C_4 C_5 R_2 R_3 R_5 + C_3 C_4 C_5 R_2 R_3 R_5 + C_3 C_4 C_5 R_2 R_4 R_5 + C_3 C_4 C_5 R_4 R_5 R_5 + C_3 C_4 C_5 R_5 R_5 R_5 + C_3 C_5 R_5 R_5 R_5 + C_3 C_5 R_5 R_5 R_5 + C_5 C_5 R_5 R_5 R_5 R_5 + C_5 C_5 R_5 R_5 R_5 R_5 R_5 R_5 + C_5 C_5 R_5 R_5 R_5 R_5 R_5 R_5 R_5 + C_5 C_5 R_5 R_5 R_5 R
9.105 X-INVALID-ORDER-105 Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
         H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_6 + C_3C_5R_1R_2R_5R_6\right)}{-C_3C_4C_5R_2R_3R_4R_5s^3 - R_2 + R_5 + s^2\left(C_3C_4R_1R_4R_5 - C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5 - C_4C_5R_2R_4R_5\right) + s\left(C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 - C_4R_2R_4 + C_4R_2R_5 + C_4R_4R_5 - C_5R_2R_5\right)}
9.106 X-INVALID-ORDER-106 Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5\right)}{-C_3C_4C_5C_6R_2R_3R_4R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_1R_4R_5 - C_3C_4C_6R_2R_3R_4 + C_3C_4C_6R_2R_4R_5 + C_3C_4C_6R_2R_4R_5 + C_3C_4C_6R_2R_4R_5\right) + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5\right) + s\left(C_3C_4R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5\right) + s\left(C_3C_4R_1R_2R_4 + C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5\right) + s\left(C_3C_4R_1R_2R_3R_4 + C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5\right) + s\left(C_3C_4R_1R_4R_5 - C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5\right) + s\left(C_3C_4R_1R_4R_5 - C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5\right) + s\left(C_3C_4R_1R_4R_5 - C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_5\right) + s\left(C_3C_4R_1R_3R_5 - C_3C_4R_3R_5\right) + s\left(C_3C_4R_1R_3R_5 - C_3C_4R_3R_5\right) + s\left(C_3C_4R_1R_3R_5 - C_3C_4R_3R_5\right) + s\left(C_3C_4R_1R_5 - C_3C_4R_3R_5\right) + s\left(C_3C_4R_3R_5 - C_3C_4R_3R_5\right) + s\left(C_3C_4R_3R_5 - C_3C_5R_3R_5\right) + s\left(C_3C_4R_3R_5 - C_3C_5R_5R_5\right) + s\left(C_3C_4R_5R_5R_5 - C_3C_5R_5
9.107 X-INVALID-ORDER-107 Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_4R_5 + C_3C_4C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_2R_5R_6\right) + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_3C_4C_5C_6R_2R_3R_4R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_1R_4R_5 - C_3C_4C_6R_2R_3R_4 + C_3C_4C_6R_2R_4R_5 + C_3C_4C_6R_4R_4R_5 + C_3C_4C_6R_4R_5 + C_3C_4C_6R_4R_5 + C_3C_4C_6R_4R_5 + C_3C_4C_6R_4R_5 + C_3C_$

9.108 X-INVALID-ORDER-108 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4}{-C_3C_4C_5C_6R_2R_3R_4R_5R_6s^4 - R_2 + R_5 + s^3\left(-C_3C_4C_5R_2R_3R_4R_5 + C_3C_4C_6R_2R_3R_4R_6 + C_3C_4C_6R_2R_3R_5R_6 + C_3C_4C_6R_2R_3R_4R_5R_6 - C_3C_5C_6R_2R_3R_5R_6 - C_4C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5R_6 - C_3C_4C_6R_2R_3R_4R_5 + C_3C_4C_6R_2R_4R_5R_6 + C_3C_4C_6R_2R_4R_5R_6 - C_3C_5C_6R_2R_3R_5R_6 - C_4C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5R_6 - C_3C_4C_6R_2R_3R_4R_5 + C_3C_4C_6R_2R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5R_6 - C_3C_4C_6R_2R_4R_5R_6\right) + s^2\left(C_3C_4R_4R_5R_6\right) +$

9.109 X-INVALID-ORDER-109 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3R_1R_2R_4R_6s}{C_3C_4C_6R_2R_3R_4R_5R_6s^3 - R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_3C_4R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_6 + C_3C_6R_2R_3R_4R_5R_6 + C_3C_6R_2R_4R_5R_6\right) + s\left(C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3$

9.110 X-INVALID-ORDER-110 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^{-2}}{R_2 + R_4 + s^3\left(C_3C_4C_6R_2R_3R_4R_6 - C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_3C_4R_2R_3R_4 - C_3C_5R_2R_3R_4 + C_3C_6R_2R_3R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 + C_3R_2R_4 + C_3R_3R_4 +$

9.111 X-INVALID-ORDER-111 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_3C_4C_5R_2R_3R_4R_5s^3 + R_2 + R_4 + s^2\left(C_3C_4R_2R_3R_4 + C_3C_5R_1R_4R_5 - C_3C_5R_2R_3R_4 + C_3C_5R_2R_3R_5 + C_3C_5R_2R_4R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 + C_4R_2R_4 - C_5R_2R_4 + C_5R_2R_5 + C_5R_4R_5\right)}$

9.112 X-INVALID-ORDER-112 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_3C_4C_5C_6R_2R_3R_4R_5s^3 + C_6R_2 + C_6R_4 + s^2\left(C_3C_4C_6R_2R_3R_4 + C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_2R_3R_5 + C_3C_5C_6R_2R_4R_5\right) + s\left(C_3C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_4R_4 +$

9.113 X-INVALID-ORDER-113 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_3C_4C_5C_6R_2R_3R_4R_5s^3 + C_6R_2 + C_6R_4 + s^2\left(C_3C_4C_6R_2R_3R_4 + C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_2R_4R_5 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_$

9.114 X-INVALID-ORDER-114 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.115 X-INVALID-ORDER-115 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_3C_4C_6R_2R_3R_4R_5R_6 - C_3C_5C_6R_2R_3R_4R_5 - C_3C_5R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R$

9.116 X-INVALID-ORDER-116 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_3 R_4 R_6 s + R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_3 R_1 R_3 R_4 R_5 + C_3 R_2 R_3 R_4 R_5\right)}$

9.117 X-INVALID-ORDER-117 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3R_1R_2R_3R_4s + R_1R_2R_4}{s^2\left(C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$

9.118 X-INVALID-ORDER-118 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_3R_4R_6s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_6R_1R_2R_4R_6\right)}{s^2\left(C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$

9.119 X-INVALID-ORDER-119 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s\left(C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4\right)}$$

9.120 X-INVALID-ORDER-120 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

9.121 X-INVALID-ORDER-121 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

9.122 X-INVALID-ORDER-122 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{6}s^{2}+C_{5}R_{1}R_{2}R_{4}R_{6}s}{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}+s^{3}\left(C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{5}C_{6}R_{2}R_{4}R_{5}+C_{5}C_{6}R_{2}R_{4}R_{5}+C_{5}C_{6}R_{2}R_{4}R_{5}+C_{5}$

9.123 X-INVALID-ORDER-123 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 - C_5R_2R_3R_4R_5\right)}$$

9.124 X-INVALID-ORDER-124 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)}{s^2\left(C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.125 X-INVALID-ORDER-125 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_4 + s^2\left(C_3C_5R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_4R_5R_6\right) + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^2\left(C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_4 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.126 X-INVALID-ORDER-126 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_1 R_2 R_3 R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s \left(C_3 R_1 R_3 R_5 + C_3 R_2 R_3 R_5 + C_4 R_2 R_3 R_5 \right)}$$

9.127 X-INVALID-ORDER-127 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3R_1R_2R_3s + R_1R_2}{s^2\left(C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$$

9.128 X-INVALID-ORDER-128 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_2R_3R_6s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_6R_1R_2R_6\right)}{s^2\left(C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$$

9.129 X-INVALID-ORDER-129 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s\left(C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3\right)}$$

9.130 X-INVALID-ORDER-130 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s\left(C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}$$

9.131 X-INVALID-ORDER-131 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_5C_6R_1R_2R_6\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s\left(C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}$$

9.132 X-INVALID-ORDER-132 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^3\left(C_3C_5C_6R_1R_3R_5R_6 + C_3C_5C_6R_2R_3R_5R_6 + C_4C_5C_6R_2R_3R_5 + C_3C_5R_1R_3R_5 + C_3C_6R_2R_3R_6 + C_5C_6R_2R_3R_6 + C_5C_6R_2R_3R_$

9.133 X-INVALID-ORDER-133 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_5R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_5R_1R_2R_5R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s\left(C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_5 - C_5R_2R_3R_5\right)}$$

9.134 X-INVALID-ORDER-134 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_5s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_5R_1R_2R_5\right)}{s^2\left(C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$$

9.135 X-INVALID-ORDER-135 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_3R_5R_6s^3 + R_1R_2 + s^2\left(C_3C_5R_1R_2R_3R_5 + C_3C_6R_1R_2R_3R_6 + C_5C_6R_1R_2R_5R_6\right) + s\left(C_3R_1R_2R_3 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{s^2\left(C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$$

9.136 X-INVALID-ORDER-136 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_4R_1R_2R_3R_4s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_4R_1R_2R_4\right)}{s^3\left(C_3C_4C_6R_1R_3R_4R_5 + C_3C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_5 + C$$

9.137 X-INVALID-ORDER-137 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_6R_1R_2R_3R_4R_6s^3 + R_1R_2 + s^2\left(C_3C_4R_1R_2R_3R_4 + C_3C_6R_1R_2R_3R_6 + C_4C_6R_1R_2R_4R_6\right) + s\left(C_3R_1R_2R_3 + C_4R_1R_2R_4 + C_6R_1R_2R_6\right)}{s^3\left(C_3C_4C_6R_1R_3R_4R_5 + C_3C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_5R_5 + C_4C_6R_5$$

9.138 X-INVALID-ORDER-138 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$I(s) = \frac{C_3C_4R_1R_2R_3R_4R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_4R_1R_2R_4R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_3C_4C_6R_1R_3R_4R_5R_6 + C_3C_4R_2R_3R_4R_5 + C_3C_4R_2R_3R_4R_5 + C_3C_6R_1R_3R_5R_6 + C_4C_6R_2R_3R_4R_6 + C_4C_6R_2R_3R_4R_6 + C_4C_6R_2R_3R_4R_5 + C_4C_6R_2R_4R_5R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_5 + C_4C_6R_4R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5 + C_4C_6R_5$$

9.139 X-INVALID-ORDER-139 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_2R_6s + s^2\left(C_3C_5R_1R_2R_3R_6 + C_4C_5R_1R_2R_4R_6\right)}{R_1 + R_2 + R_3 + s^2\left(C_3C_4R_1R_3R_4 + C_3C_4R_2R_3R_4 - C_4C_5R_2R_3R_4\right) + s\left(C_3R_1R_3 + C_3R_2R_3 + C_4R_1R_4 + C_4R_2R_3 + C_4R_2R_4 + C_4R_3R_4 - C_5R_2R_3\right)}$$

9.140 X-INVALID-ORDER-140 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_3R_4 + C_3C_5C_6R_1R_2R_3R_6 + C_4C_5C_6R_1R_2R_4R_6\right) + s\left(C_3C_5R_1R_2R_3 + C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_6\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_3C_4C_6R_1R_3R_4 + C_3C_4C_6R_2R_3R_4 - C_4C_5C_6R_2R_3R_4\right) + s\left(C_3C_6R_1R_3 + C_4C_6R_1R_4 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_4\right)}$$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_4C_5R_1R_2R_3 + C_4C_5R_1R_2R_4\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_3C_4C_5C_6R_1R_3R_4 + C_3C_4C_5C_6R_2R_3R_4 + C_3C_5C_6R_1R_3R_5 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_3R_4R_5 + C_4C_5C_6R$

9.144 X-INVALID-ORDER-144 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_3R_4 + C_3C_5C_6R_1R_2R_3R_6 + C_4C_5C_6R_1R_2R_4R_6\right) + s\left(C_3C_5R_1R_2R_3 + C_4C_5R_1R_2R_3R_4 + C_3C_5C_6R_1R_3R_4 + C_3C_5C_6R_3R_4R_5 + C_3C_5C_6R_3R_4R_5 + C_3C_5C_6R_3R_4R_5 + C_3C_5C_6R_3R_4R_5 + C_3C_5C_6R_3R_4R_5 +$

9.145 X-INVALID-ORDER-145 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left(C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_4 C_5$

9.146 X-INVALID-ORDER-146 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_6 + s^2\left(C_3C_4R_1R_2R_3R_4R_6 + C_3C_5R_1R_2R_3R_5R_6 + C_4C_5R_1R_2R_4R_5R_6\right) + s\left(C_3R_1R_2R_3R_6 + C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_3C_4R_1R_3R_4R_5 + C_3C_4R_2R_3R_4R_5 - C_4C_5R_2R_3R_4R_5\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_4 + C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_3R_3R_5 + C_4R$

9.147 X-INVALID-ORDER-147 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_5s^3 + R_1R_2 + s^2\left(C_3C_4R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_4R_5\right) + s\left(C_3R_1R_2R_3 + C_4R_1R_2R_4 + C_5R_1R_2R_5\right)}{s^3\left(C_3C_4C_6R_1R_3R_4R_5 + C_4C_5R_2R_3R_4R_5 - C_4C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_3C_6R_1R_3R_5 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_$

9.148 X-INVALID-ORDER-148 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_2 + s^3\left(C_3C_4C_5R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_2R_3R_4R_6 + C_3C_5C_6R_1R_2R_3R_5R_6 + C_4C_5C_6R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_3C_6R_1R_2R_3R_6 + C_4C_5R_1R_2R_3R_6 + C_4C_5R_3R_4R_5 + C_4C_5R_3R_$

9.149 X-INVALID-ORDER-149 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_6 + s^2\left(C_3C_4R_1R_2R_3R_4R_6 + C_3C_5R_1R_2R_3R_5R_6 + C_4C_5R_2R_3R_4R_5 + C_3C_4R_2R_3R_4R_5 + C_3C_4R_3R_4R_5 + C_3C_$

9.150 X-INVALID-ORDER-150 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$

 $H(s) = \frac{C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 + C_4R_2R_3R_4R_5\right)}$

9.151 X-INVALID-ORDER-151
$$Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_1 R_2 R_3 R_4 s + R_1 R_2 R_4}{s^2 \left(C_3 C_6 R_1 R_3 R_4 R_5 + C_3 C_6 R_2 R_3 R_4 R_5 + C_4 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.152 X-INVALID-ORDER-152
$$Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_3C_6R_1R_2R_3R_4R_6s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_6R_1R_2R_4R_6\right)}{s^2\left(C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.153 X-INVALID-ORDER-153 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s\left(C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4\right)}$$

9.154 X-INVALID-ORDER-154 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

9.155 X-INVALID-ORDER-155 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

9.156 X-INVALID-ORDER-156 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

9.157 X-INVALID-ORDER-157 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 + C_4R_2R_3R_4R_5 - C_5R_2R_3R_4R_5\right)}$$

9.158 X-INVALID-ORDER-158 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)}{s^2\left(C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.159 X-INVALID-ORDER-159 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_4 + s^2\left(C_3C_5R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_4R_5R_6\right) + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^2\left(C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.160 X-INVALID-ORDER-160 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5\right)}$$

9.161 X-INVALID-ORDER-161
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{R_1 R_4}{s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 \right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5 \right)}$$

9.162 X-INVALID-ORDER-162
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_6 R_1 R_4 R_6 s + R_1 R_4}{s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$$

9.163 X-INVALID-ORDER-163
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s \left(C_2 R_1 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4\right)}$$

9.164 X-INVALID-ORDER-164
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s \left(C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 - C_5 C_6 R_3 R_4\right)}$$

9.165 X-INVALID-ORDER-165
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_1 R_4 R_6 s + C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s \left(C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 - C_5 C_6 R_3 R_4\right)}$$

9.166 X-INVALID-ORDER-166
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^3 \left(C_2 C_5 C_6 R_1 R_4 R_5 R_6 + C_2 C_5 C_6 R_3 R_4 R_5 R_6\right) + s^2 \left(C_2 C_5 R_1 R_4 R_5 + C_2 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 + C_5 C_6 R_3 R_6 + C_5 C_6 R_3 R_6 + C_5 C_6 R_5 R_6 + C_5$$

9.167 X-INVALID-ORDER-167
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_5 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 - C_5 R_3 R_4 R_5\right)}$$

9.168 X-INVALID-ORDER-168
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_5 s + R_1 R_4}{s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 - C_5 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$$

9.169 X-INVALID-ORDER-169
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_1R_4R_5R_6s^2 + R_1R_4 + s\left(C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$$

9.170 X-INVALID-ORDER-170
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{R_1 R_6}{-R_3 + R_5 + s \left(C_2 R_1 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5\right)}$$

9.171 X-INVALID-ORDER-171
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{R_1}{s^2 \left(C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 \right) + s \left(-C_6 R_3 + C_6 R_5 \right)}$$

9.172 X-INVALID-ORDER-172
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_6 R_1 R_6 s + R_1}{s^2 \left(C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 \right) + s \left(-C_6 R_3 + C_6 R_5 \right)}$$

9.173 X-INVALID-ORDER-173
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_6 s}{s \left(C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3\right) + 1}$$

9.174 X-INVALID-ORDER-174
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1}{C_6 + s \left(C_2 C_6 R_1 + C_2 C_6 R_3 + C_4 C_6 R_3 - C_5 C_6 R_3\right)}$$

9.175 X-INVALID-ORDER-175
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_1 R_6 s + C_5 R_1}{C_6 + s \left(C_2 C_6 R_1 + C_2 C_6 R_3 + C_4 C_6 R_3 - C_5 C_6 R_3\right)}$$

9.176 X-INVALID-ORDER-176
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_1 R_6 s}{s^3 \left(C_2 C_5 C_6 R_1 R_5 R_6 + C_2 C_5 C_6 R_3 R_5 R_6 + C_4 C_5 C_6 R_3 R_5 R_6\right) + s^2 \left(C_2 C_5 R_1 R_5 + C_2 C_5 R_3 R_5 + C_2 C_6 R_1 R_6 + C_4 C_5 R_3 R_6 + C_4 C_5 R_3 R_6 + C_5 C_6 R_5 R_6 + C_$$

9.177 X-INVALID-ORDER-177
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_5 R_6 s + R_1 R_6}{-R_3 + R_5 + s \left(C_2 R_1 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5 - C_5 R_3 R_5\right)}$$

9.178 X-INVALID-ORDER-178
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_5 s + R_1}{s^2 \left(C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 - C_5 C_6 R_3 R_5 \right) + s \left(-C_6 R_3 + C_6 R_5 \right)}$$

9.179 X-INVALID-ORDER-179
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_1 R_5 R_6 s^2 + R_1 + s \left(C_5 R_1 R_5 + C_6 R_1 R_6\right)}{s^2 \left(C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 - C_5 C_6 R_3 R_5\right) + s \left(-C_6 R_3 + C_6 R_5\right)}$$

9.180 X-INVALID-ORDER-180
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_4 R_1 R_4 s + R_1}{s^3 \left(C_2 C_4 C_6 R_1 R_4 R_5 + C_2 C_4 C_6 R_3 R_4 R_5\right) + s^2 \left(C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 - C_4 C_6 R_3 R_4 + C_4 C_6 R_3 R_5 + C_4 C_6 R_4 R_5\right) + s \left(-C_6 R_3 + C_6 R_5\right)}$$

 $\textbf{9.181} \quad \textbf{X-INVALID-ORDER-181} \ Z(s) = \left(R_1, \ \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_4 C_6 R_1 R_4 R_6 s^2 + R_1 + s \left(C_4 R_1 R_4 + C_6 R_1 R_6\right)}{s^3 \left(C_2 C_4 C_6 R_1 R_4 R_5 + C_2 C_4 C_6 R_3 R_4 R_5\right) + s^2 \left(C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 - C_4 C_6 R_3 R_4 + C_4 C_6 R_3 R_5 + C_4 C_6 R_4 R_5\right) + s \left(-C_6 R_3 + C_6 R_5\right)}$

9.182 X-INVALID-ORDER-182 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4 R_1 R_4 R_6 s + R_1 R_6}{-R_3 + R_5 + s^3 \left(C_2 C_4 C_6 R_1 R_4 R_5 R_6 + C_2 C_4 C_6 R_3 R_4 R_5 + C_2 C_4 R_3 R_4 R_5 + C_2 C_4 R_3 R_4 R_5 + C_2 C_6 R_1 R_5 R_6 + C_2 C_6 R_3 R_5 R_6 - C_4 C_6 R_3 R_4 R_6 + C_4 C_6 R_3 R_5 R_6 + C_4 C_6 R$

9.183 X-INVALID-ORDER-183 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_6s^2 + C_5R_1R_6s}{s^3\left(C_2C_4C_6R_1R_4R_6 + C_2C_4C_6R_3R_4R_6 - C_4C_5C_6R_3R_4R_6\right) + s^2\left(C_2C_4R_1R_4 + C_2C_4R_3R_4 + C_2C_6R_1R_6 + C_2C_6R_3R_6 - C_4C_5R_3R_6 + C_4C_6R_3R_6 + C_4C_6R_3R_6\right) + s\left(C_2R_1 + C_2R_3 + C_4R_3 + C_4R_4 - C_5R_3 + C_6R_6\right) + 1}$

9.184 X-INVALID-ORDER-184 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_6s^2 + C_5R_1R_6s}{s^3\left(C_2C_4C_5R_1R_4R_5 + C_2C_4C_5R_3R_4R_5\right) + s^2\left(C_2C_4R_1R_4 + C_2C_4R_3R_4 + C_2C_5R_1R_5 + C_2C_5R_3R_5 - C_4C_5R_3R_5 + C_4C_5R_3R_5 + C_4C_5R_4R_5\right) + s\left(C_2R_1 + C_2R_3 + C_4R_3 + C_4R_4 - C_5R_3 + C_5R_5\right) + 1}$

9.185 X-INVALID-ORDER-185 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_1R_4s + C_5R_1}{C_6 + s^3\left(C_2C_4C_5C_6R_1R_4R_5 + C_2C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_2C_4C_6R_1R_4 + C_2C_4C_6R_3R_4 + C_2C_5C_6R_3R_5 - C_4C_5C_6R_3R_5 + C_4C_5C_6R_5 + C_5C_6R_5 + C_5C_6C_6R_5 + C_5C_6C_6R_5 + C$

9.186 X-INVALID-ORDER-186 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_4R_6s^2 + C_5R_1 + s\left(C_4C_5R_1R_4 + C_5C_6R_1R_6\right)}{C_6 + s^3\left(C_2C_4C_5C_6R_1R_4R_5 + C_2C_4C_5C_6R_3R_4 + C_2C_5C_6R_1R_5 + C_2C_5C_6R_3R_5 - C_4C_5C_6R_3R_5 + C_4C_5C_6R_5 + C_4C_5C$

9.187 X-INVALID-ORDER-187 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_6s^2 + C_5R_1R_6s}{s^4\left(C_2C_4C_5C_6R_1R_4R_5R_6 + C_2C_4C_5C_6R_3R_4R_5 + C_2C_4C_5R_3R_4R_5 + C_2C_4C_5R_3R_4R_5 + C_2C_4C_5R_3R_4R_5 + C_2C_4C_5R_3R_4R_6 + C_2C_5C_6R_3R_5R_6 + C_4C_5C_6R_3R_4R_6 + C_4C_5C_6R_4R_5R_6 + C_4C_5C_6R_3R_4R_6 + C_4C_5C_6R_3R_4R_6 + C_4C_5C_6R_4R_5R_6 + C_4C_5C_6R_4R_5R_6 + C_4C_5C_6R_4R_5R_6 + C_4C_5C_6R_3R_4R_6 + C_4C_5C_6R_5R_5C_6R_5R_5C_6R_5R_5C_6R_5R_5C_6R_5R_5C_5C_6R_5R_5C_5C_6R_5C_5C_5C_6R_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_$

9.188 X-INVALID-ORDER-188 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_5s^2 + R_1 + s\left(C_4R_1R_4 + C_5R_1R_5\right)}{s^3\left(C_2C_4C_6R_1R_4R_5 + C_2C_4C_6R_3R_4R_5 - C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 - C_4C_6R_3R_4 + C_4C_6R_3R_5 + C_4C_6R_4R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$

9.189 X-INVALID-ORDER-189 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_4R_5R_6s^3 + R_1 + s^2\left(C_4C_5R_1R_4R_5 + C_4C_6R_1R_4R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_4R_1R_4 + C_5R_1R_5 + C_6R_1R_6\right)}{s^3\left(C_2C_4C_6R_1R_4R_5 + C_2C_4C_6R_3R_4R_5 - C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 - C_4C_6R_3R_4 + C_4C_6R_3R_5 + C_4C_6R_4R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$

9.190 X-INVALID-ORDER-190 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_5R_6s^2 + R_1R_6 + s\left(C_4R_1R_4R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^3\left(C_2C_4C_6R_1R_4R_5R_6 + C_2C_4C_6R_3R_4R_5R_6 - C_4C_5C_6R_3R_4R_5R_6\right) + s\left(C_2C_4R_1R_4R_5 + C_2C_4R_3R_4R_5 + C_2C_6R_3R_5R_6 - C_4C_5R_3R_4R_5 - C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 + C_2C_4R_3R_4R_5 + C_2C_4R_3R_4R_5 + C_2C_4R_3R_4R_5 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 + C_2C_4R_3R_4R_5 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 + C_2C_4R_3R_4R_5 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 + C_4C_6R_5R_5R_5\right) + s\left(C_2R_1R_5 + C_4C_6R_5R_5R_5\right) + s\left(C_2R_1R_5 + C_4C_5R_5R_5\right) + s\left(C_2R_1R_5 + C_4C_5R_5R_5\right) + s\left(C_2R_1R_5 + C_4C_5R_5R_5\right) + s\left(C_2R_1R_5 + C_4C_5R_5R_5\right) + s$

9.191 X-INVALID-ORDER-191
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 + C_4 R_3 R_4 R_5\right)}$$

9.192 X-INVALID-ORDER-192
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{R_1 R_4}{s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 + C_4 C_6 R_3 R_4 R_5 \right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5 \right)}$$

9.193 X-INVALID-ORDER-193
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_6 R_1 R_4 R_6 s + R_1 R_4}{s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 + C_4 C_6 R_3 R_4 R_5 \right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5 \right)}$$

9.194 X-INVALID-ORDER-194
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s \left(C_2 R_1 R_4 + C_2 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4 \right)}$$

9.195 X-INVALID-ORDER-195
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s \left(C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 + C_4 C_6 R_3 R_4 - C_5 C_6 R_3 R_4\right)}$$

9.196 X-INVALID-ORDER-196
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_1 R_4 R_6 s + C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s \left(C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 + C_4 C_6 R_3 R_4 - C_5 C_6 R_3 R_4\right)}$$

9.197 X-INVALID-ORDER-197
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

9.198 X-INVALID-ORDER-198 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_5 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 + C_4 R_3 R_4 R_5 - C_5 R_3 R_4 R_5\right)}$$

9.199 X-INVALID-ORDER-199 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_1 R_4 R_5 s + R_1 R_4}{s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 + C_4 C_6 R_3 R_4 R_5 - C_5 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$$

9.200 X-INVALID-ORDER-200
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_1R_4R_5R_6s^2 + R_1R_4 + s\left(C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$$

9.201 X-INVALID-ORDER-201
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_1 R_4 R_6 s}{C_2 C_3 C_6 R_1 R_4 R_5 R_6 s^3 - R_4 + R_5 + s^2 \left(C_2 C_3 R_1 R_4 R_5 + C_2 C_6 R_4 R_5 R_6 + C_3 C_6 R_4 R_5 R_6\right) + s \left(C_2 R_4 R_5 + C_3 R_4 R_5 - C_6 R_4 R_6 + C_6 R_5 R_6\right)}$$

9.202 X-INVALID-ORDER-202 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_6s^2}{C_2C_3C_6R_1R_4R_6s^3 + s^2\left(C_2C_3R_1R_4 + C_2C_6R_4R_6 + C_3C_6R_4R_6 - C_5C_6R_4R_6\right) + s\left(C_2R_4 + C_3R_4 - C_5R_4 + C_6R_6\right) + 1}$$

9.203 X-INVALID-ORDER-203 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_6s^2}{C_2C_3C_5R_1R_4R_5s^3 + s^2\left(C_2C_3R_1R_4 + C_2C_5R_4R_5 + C_3C_5R_4R_5\right) + s\left(C_2R_4 + C_3R_4 - C_5R_4 + C_5R_5\right) + 1}$$

9.204 X-INVALID-ORDER-204 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_4s}{C_2C_3C_5C_6R_1R_4R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right) + s\left(C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4 + C_5C_6R_5\right)}$$

9.205 X-INVALID-ORDER-205 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_2C_3C_5C_6R_1R_4R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right) + s\left(C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4 + C_5C_6R_5\right)}$$

9.206 X-INVALID-ORDER-206 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_6s^2}{C_2C_3C_5C_6R_1R_4R_5R_6s^4 + s^3\left(C_2C_3C_5R_1R_4R_5 + C_2C_3C_6R_4R_6 + C_3C_5C_6R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_4 + C_2C_5R_4R_5 + C_2C_6R_4R_6 + C_3C_5R_4R_6 + C_3C_5R_4R_6 + C_3C_6R_4R_6 + C_5C_6R_4R_6 + C_5C_6R_5R_6\right) + s\left(C_2R_4 + C_3R_4 - C_5R_4 + C_5R_5 + C_6R_6\right) + s\left(C_2R_4 + C_3R_4 - C_5R_4 + C_5R_5 + C_6R_6\right) + s\left(C_2R_4 + C_3R_4 - C_5R_4R_5 + C_3C_5R_4R_5 + C_3C_5R_5R_5 + C_3C_5R_5R_5 + C_3C_5R_5R_5 + C_3C_5R_5R_5 + C_3C_5R_5R_5 + C_3C_5R_5R_5 + C_3C_5R_$$

9.207 X-INVALID-ORDER-207 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{C_2C_3C_6R_1R_4R_5R_6s^3 - R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_6R_4R_5R_6 + C_3C_6R_4R_5R_6 - C_5C_6R_4R_5R_6\right) + s\left(C_2R_4R_5 + C_3R_4R_5 - C_5R_4R_5 - C_6R_4R_6 + C_6R_5R_6\right)}$$

9.208 X-INVALID-ORDER-208 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3 R_1 R_6 s}{C_2 C_3 C_6 R_1 R_5 R_6 s^3 + s^2 \left(C_2 C_3 R_1 R_5 + C_2 C_6 R_5 R_6 + C_3 C_6 R_5 R_6 + C_4 C_6 R_5 R_6\right) + s \left(C_2 R_5 + C_3 R_5 + C_4 R_5 - C_6 R_6\right) - 1}$$

9.209 X-INVALID-ORDER-209 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3 C_5 R_1 R_6 s}{C_2 C_3 R_1 s + C_2 + C_3 + C_4 - C_5}$$

9.210 X-INVALID-ORDER-210 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 C_5 R_1}{C_2 C_3 C_6 R_1 s + C_2 C_6 + C_3 C_6 + C_4 C_6 - C_5 C_6}$$

9.211 X-INVALID-ORDER-211 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_6s + C_3C_5R_1}{C_2C_3C_6R_1s + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6}$$

9.212 X-INVALID-ORDER-212 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_6s}{C_2C_3C_5C_6R_1R_5R_6s^3 + C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_5R_1R_5 + C_2C_3C_6R_1R_6 + C_3C_5C_6R_5R_6 + C_4C_5C_6R_5R_6\right) + s\left(C_2C_3R_1 + C_2C_5R_5 + C_2C_6R_6 + C_3C_5R_5 + C_3C_6R_6 + C_4C_5R_5 + C_4C_6R_6 - C_5C_6R_6\right)}$

9.213 X-INVALID-ORDER-213 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_5R_6s^2 + C_3R_1R_6s}{C_2C_3C_6R_1R_5R_6s^3 + s^2\left(C_2C_3R_1R_5 + C_2C_6R_5R_6 + C_3C_6R_5R_6 + C_4C_6R_5R_6 - C_5C_6R_5R_6\right) + s\left(C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5 - C_6R_6\right) - 1}$$

9.214 X-INVALID-ORDER-214 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_1R_4R_6s^2 + C_3R_1R_6s}{C_2C_3C_4R_1R_4R_5s^3 + s^2\left(C_2C_3R_1R_5 + C_2C_4R_4R_5 + C_3C_4R_4R_5\right) + s\left(C_2R_5 + C_3R_5 - C_4R_4 + C_4R_5\right) - 1}$$

9.215 X-INVALID-ORDER-215 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4R_1R_4s + C_3R_1}{C_2C_3C_4C_6R_1R_4R_5s^3 - C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_4C_6R_4R_5 + C_3C_4C_6R_4R_5\right) + s\left(C_2C_6R_5 + C_3C_6R_5 - C_4C_6R_4 + C_4C_6R_5\right)}$$

9.216 X-INVALID-ORDER-216 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_6R_1R_4R_6s^2 + C_3R_1 + s\left(C_3C_4R_1R_4 + C_3C_6R_1R_6\right)}{C_2C_3C_4C_6R_1R_4R_5s^3 - C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_4C_6R_4R_5 + C_3C_4C_6R_4R_5\right) + s\left(C_2C_6R_5 + C_3C_6R_5 - C_4C_6R_4 + C_4C_6R_5\right)}$$

9.217 X-INVALID-ORDER-217 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4R_1R_4R_6s^2 + C_3R_1R_6s}{C_2C_3C_4C_6R_1R_4R_5R_6s^4 + s^3\left(C_2C_3C_4R_1R_4R_5 + C_2C_3C_6R_1R_5R_6 + C_3C_4C_6R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_5 + C_2C_4R_4R_5 + C_2C_6R_5R_6 + C_3C_4R_4R_5 + C_3C_6R_5R_6 + C_4C_6R_4R_6 + C_4C_6R_5R_6\right) + s\left(C_2R_5 + C_3R_5 - C_4R_4 + C_4R_5 - C_6R_6\right) - 1}{c_2C_3C_4C_6R_1R_4R_5R_6s^4 + s^3\left(C_2C_3C_4R_1R_4R_5 + C_2C_3C_6R_1R_5R_6 + C_3C_4C_6R_4R_5 + C_3C_4R_4R_5 + C_3C_6R_5R_6 + C_3C_4R_4R_5 + C_3C_6R_5R_6 + C_3C_4R_4R_5 + C_3C_6R_5R_6\right) + s\left(C_2R_5 + C_3R_5 - C_4R_4 + C_4R_5 - C_6R_5\right) - 1}{c_2C_3C_4C_6R_1R_4R_5R_6s^4 + s^3\left(C_2C_3C_4R_1R_4R_5 + C_2C_3C_6R_1R_5R_6 + C_3C_4C_6R_4R_5R_6\right) + s\left(C_2C_3R_1R_5 + C_3C_4R_4R_5 + C_3C_4R_5 +$$

9.218 X-INVALID-ORDER-218 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2C_3C_4C_6R_1R_4R_6s^3 + C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_6R_1R_6 + C_3C_4C_6R_4R_6 - C_4C_5C_6R_4R_6\right) + s\left(C_2C_3R_1 + C_2C_4R_4 + C_2C_6R_6 + C_3C_4R_4 + C_3C_6R_6 - C_4C_5R_4 + C_4C_6R_6 - C_5C_6R_6\right)}$$

9.219 X-INVALID-ORDER-219 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2C_3C_4C_5R_1R_4R_5s^3 + C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_5R_1R_5 + C_2C_4C_5R_4R_5\right) + s\left(C_2C_3R_1 + C_2C_4R_4 + C_2C_5R_5 + C_3C_4R_4 + C_3C_5R_5 - C_4C_5R_4 + C_4C_5R_5\right)}{c_3C_4C_5R_1R_4R_5s^3 + C_2 + C_3 + C_4C_5R_4 + C_4C_5R_5 + C_3C_4C_5R_4R_5 + C_3C_4R_4 + C_3C_5R_5 + C_3C_4R_5 + C_3C_5R_5 + C_$$

9.220 X-INVALID-ORDER-220 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_4s + C_3C_5R_1}{C_2C_3C_4C_5C_6R_1R_4R_5s^3 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_1R_4 + C_2C_3C_5C_6R_1R_5 + C_3C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_4C_6R_4 + C_2C_5C_6R_5 + C_3C_4C_6R_4 + C_3C_5C_6R_5 + C_3C_4C_6R_4 + C_4C_5C_6R_4\right)}$$

9.221 X-INVALID-ORDER-221 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_4R_6s^2 + C_3C_5R_1 + s\left(C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_6\right)}{C_2C_3C_4C_5C_6R_1R_4R_5s^3 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_1R_4 + C_2C_3C_5C_6R_1R_5 + C_3C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_6R_4 + C_2C_5C_6R_5 + C_3C_4C_6R_4 + C_3C_5C_6R_5 + C_3C_4C_5C_6R_4 + C_4C_5C_6R_5\right)}$

9.222 X-INVALID-ORDER-222 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2C_3C_4C_5R_1R_4R_5R_6s^4 + C_2 + C_3 + C_4 - C_5 + s^3\left(C_2C_3C_4C_5R_1R_4R_5 + C_2C_3C_5C_6R_1R_5R_6 + C_2C_4C_5R_4R_5R_6\right) + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_5R_1R_5 + C_2C_4C_5R_4R_5 + C_2C_4C_5R_5R_5 + C_2C_4C_5R_5R_5 + C_2C_4C_5R_5R_5 + C_2C_4C_5R_5R_5 + C_2C$

9.223 X-INVALID-ORDER-223 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_3C_4R_1R_4R_6 + C_3C_5R_1R_5R_6\right)}{C_2C_3C_4R_1R_4R_5s^3 + s^2\left(C_2C_3R_1R_5 + C_2C_4R_4R_5 + C_3C_4R_4R_5 - C_4C_5R_4R_5\right) + s\left(C_2R_5 + C_3R_5 - C_4R_4 + C_4R_5 - C_5R_5\right) - 1}$

9.224 X-INVALID-ORDER-224 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_5s^2 + C_3R_1 + s\left(C_3C_4R_1R_4 + C_3C_5R_1R_5\right)}{C_2C_3C_4C_6R_1R_4R_5s^3 - C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_4C_6R_4R_5 + C_3C_4C_6R_4R_5 - C_4C_5C_6R_4R_5\right) + s\left(C_2C_6R_5 + C_3C_6R_5 - C_4C_6R_4 + C_4C_6R_5 - C_5C_6R_5\right)}$

9.225 X-INVALID-ORDER-225 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_4R_5R_6s^3 + C_3R_1 + s^2\left(C_3C_4C_5R_1R_4R_5 + C_3C_4C_6R_1R_4R_6 + C_3C_5C_6R_1R_5R_6\right) + s\left(C_3C_4R_1R_4 + C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{C_2C_3C_4C_6R_1R_4R_5s^3 - C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_4C_6R_4R_5 + C_3C_4C_6R_4R_5 - C_4C_5C_6R_4R_5\right) + s\left(C_2C_6R_5 + C_3C_6R_5 - C_4C_6R_4 + C_4C_6R_5 - C_5C_6R_5\right)}$

9.226 X-INVALID-ORDER-226 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_3C_4R_1R_4R_6 + C_3C_5R_1R_5R_6\right)}{C_2C_3C_4C_6R_1R_4R_5R_6s^4 + s^3\left(C_2C_3C_4R_1R_4R_5 + C_2C_3C_6R_1R_5R_6 + C_3C_4C_6R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_5 + C_2C_4R_4R_5 + C_3C_6R_5R_6 + C_3C_4R_4R_5 + C_3C_6R_5R_6 - C_4C_5R_4R_5 + C_3C_6R_5R_6\right) + s^2\left(C_3C_4R_1R_4R_5 + C_3C_6R_5R_6 + C_3C_6R_$

9.227 X-INVALID-ORDER-227 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_1 R_4 R_6 s}{C_2 C_3 C_6 R_1 R_4 R_5 R_6 s^3 - R_4 + R_5 + s^2 \left(C_2 C_3 R_1 R_4 R_5 + C_2 C_6 R_4 R_5 R_6 + C_3 C_6 R_4 R_5 R_6 + C_4 C_6 R_4 R_5 R_6\right) + s \left(C_2 R_4 R_5 + C_3 R_4 R_5 + C_4 R_4 R_5 - C_6 R_4 R_6 + C_6 R_5 R_6\right)}{C_3 R_1 R_4 R_5 R_6 s^3 - R_4 + R_5 + s^2 \left(C_2 C_3 R_1 R_4 R_5 + C_2 C_6 R_4 R_5 R_6 + C_4 C_6 R_4 R_5 R_6\right) + s \left(C_2 R_4 R_5 + C_3 R_4 R_5 + C_4 R_4 R_5 - C_6 R_4 R_6 + C_6 R_5 R_6\right)}$

9.228 X-INVALID-ORDER-228 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{C_2C_3C_6R_1R_4R_6s^3 + s^2\left(C_2C_3R_1R_4 + C_2C_6R_4R_6 + C_3C_6R_4R_6 + C_4C_6R_4R_6 - C_5C_6R_4R_6\right) + s\left(C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4 + C_6R_6\right) + 1}$

9.229 X-INVALID-ORDER-229 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{C_2C_3C_5R_1R_4R_5s^3 + s^2\left(C_2C_3R_1R_4 + C_2C_5R_4R_5 + C_3C_5R_4R_5 + C_4C_5R_4R_5\right) + s\left(C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4 + C_5R_5\right) + 1}$

9.230 X-INVALID-ORDER-230 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_4s}{C_2C_3C_5C_6R_1R_4R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5 + C_4C_5C_6R_4R_5\right) + s\left(C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4 + C_5C_6R_5\right)}$

9.231 X-INVALID-ORDER-231 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_2C_3C_5C_6R_1R_4R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5 + C_4C_5C_6R_4R_5\right) + s\left(C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4 + C_5C_6R_5\right)}$ **9.232** X-INVALID-ORDER-232 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{C_2C_3C_5C_6R_1R_4R_5R_6s^4 + s^3\left(C_2C_3C_5R_1R_4R_5 + C_2C_3C_6R_4R_5R_6 + C_3C_5C_6R_4R_5R_6 + C_4C_5C_6R_4R_5 + C_4C_5R_4R_5 + C_4C_5R_4$ **9.233** X-INVALID-ORDER-233 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{C_2C_3C_6R_1R_4R_5R_6s^3 - R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_6R_4R_5R_6 + C_3C_6R_4R_5R_6 + C_4C_6R_4R_5R_6\right) + s\left(C_2R_4R_5 + C_3R_4R_5 + C_4R_4R_5 - C_5R_4R_5 - C_6R_4R_6 + C_6R_5R_6\right)}$ **9.234** X-INVALID-ORDER-234 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_3 R_1 R_4 R_6 s}{-R_4 + R_5 + s^3 \left(C_2 C_3 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_6 R_3 R_4 R_5 R_6\right) + s^2 \left(C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_2 C_6 R_4 R_5 R_6 - C_3 C_6 R_3 R_4 R_6 + C_3 C_6 R_3 R_5 R_6 + C_3 C_6 R_4 R_5 R_6\right) + s \left(C_2 R_4 R_5 - C_3 R_3 R_4 + C_3 R_3 R_5 + C_3 R_4 R_5 - C_6 R_4 R_6 + C_6 R_5 R_6\right)}$ **9.235** X-INVALID-ORDER-235 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_6R_1R_4R_6 + C_2C_3C_6R_3R_4R_6 - C_3C_5C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_2C_6R_4R_6 - C_3C_5R_3R_4 + C_3C_6R_4R_6 - C_5C_6R_4R_6\right) + s\left(C_2R_4 + C_3R_3 + C_3R_4 + C_5R_4 + C_6R_6\right) + 1}$ **9.236** X-INVALID-ORDER-236 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_5R_1R_4R_5 + C_2C_3C_5R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_2C_5R_4R_5 - C_3C_5R_3R_4 + C_3C_5R_3R_5 + C_3C_5R_4R_5\right) + s\left(C_2R_4 + C_3R_3 + C_3R_4 + C_5R_4 + C_5R_5\right) + 1}$ **9.237** X-INVALID-ORDER-237 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_3R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_3R_4 + C_2C_5C_6R_4R_5 - C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_4R_5\right) + s\left(C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 + C_5C_6R_4 + C_5C_6R_4 + C_5C_6R_5\right)}$

9.238 X-INVALID-ORDER-238 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_3R_4 + C_2C_3C_6R_3R_4 + C_2C_5C_6R_4R_5 - C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_4R_5\right) + s\left(C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 + C_5C_6R_4 + C_5C_6R_4$

9.239 X-INVALID-ORDER-239 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.240 X-INVALID-ORDER-240 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_5s}{-R_4 + R_5 + s^3\left(C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_3R_4R_5R_6 - C_3C_5C_6R_3R_4R_5 + C_2C_3R_3R_4R_5 + C_2C_3R_3R_4R_5 + C_2C_3R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_4R_5R_6 - C_3C_6R_4R_5R_6 - C_3C_6R_4R_5R_6 + C_3C_6R_5R_6 + C_3C_6R_5R_6 + C_3C_6R_5R_6 + C_3C_6R_5R_6 + C_3C_6R_5R_6$

9.241 X-INVALID-ORDER-241 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_1 R_6 s}{s^3 \left(C_2 C_3 C_6 R_1 R_5 R_6 + C_2 C_3 C_6 R_3 R_5 R_6 + C_3 C_4 C_6 R_3 R_5 R_6\right) + s^2 \left(C_2 C_3 R_1 R_5 + C_2 C_3 R_3 R_5 + C_2 C_6 R_5 R_6 + C_3 C_4 R_3 R_5 - C_3 C_6 R_3 R_6 + C_4 C_6 R_5 R_6\right) + s \left(C_2 R_5 - C_3 R_3 + C_3 R_5 + C_4 R_5 - C_6 R_6\right) - 1}$

9.242 X-INVALID-ORDER-242 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s\left(C_2C_3R_1 + C_2C_3R_3 + C_3C_4R_3 - C_3C_5R_3\right)}$$

9.243 X-INVALID-ORDER-243 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_3C_4C_6R_3 - C_3C_5C_6R_3\right)}$$

9.244 X-INVALID-ORDER-244 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_6s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_3C_4C_6R_3 - C_3C_5C_6R_3\right)}$$

9.245 X-INVALID-ORDER-245 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_2C_3C_5C_6R_1R_5R_6 + C_2C_3C_5C_6R_3R_5R_6 + C_3C_4C_5C_6R_3R_5R_6 + C_2C_3C_5R_3R_5 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_3C_4C_6R_3R_6 + C_3C_5C_6R_3R_6 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5R_6 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_5R_5 + C_3C_5C_5C_6R_5R_5 + C_3C_5C_5C_6R_5R_5 + C_3C_5C_5C_6R_5R_5 + C_3C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_$$

9.246 X-INVALID-ORDER-246 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_5R_6s^2 + C_3R_1R_6s}{s^3\left(C_2C_3C_6R_1R_5R_6 + C_2C_3C_6R_3R_5R_6 + C_3C_4C_6R_3R_5R_6 - C_3C_5C_6R_3R_5R_6\right) + s^2\left(C_2C_3R_1R_5 + C_2C_3R_3R_5 + C_2C_6R_5R_6 + C_3C_4R_3R_5 - C_3C_6R_3R_6 + C_3C_6R_5R_6 + C_4C_6R_5R_6 - C_5C_6R_5R_6\right) + s\left(C_2R_5 - C_3R_3 + C_3R_5 + C_4R_5 - C_5R_5 - C_6R_6\right)}$$

9.247 X-INVALID-ORDER-247 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_1R_4R_6s^2 + C_3R_1R_6s}{s^3\left(C_2C_3C_4R_1R_4R_5 + C_2C_3C_4R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_5 + C_2C_3R_3R_5 + C_2C_4R_4R_5 - C_3C_4R_3R_4 + C_3C_4R_3R_5 + C_3C_4R_4R_5\right) + s\left(C_2R_5 - C_3R_3 + C_3R_5 - C_4R_4 + C_4R_5\right) - 1}$$

9.248 X-INVALID-ORDER-248 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4R_1R_4s + C_3R_1}{-C_6 + s^3\left(C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_3R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_2C_4C_6R_4R_5 - C_3C_4C_6R_3R_4 + C_3C_4C_6R_3R_5 + C_3C_4C_6R_4R_5\right) + s\left(C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 - C_4C_6R_4 + C_4C_6R_5\right)}$$

9.249 X-INVALID-ORDER-249 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_6R_1R_4R_6s^2 + C_3R_1 + s\left(C_3C_4R_1R_4 + C_3C_6R_1R_6\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_3R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_2C_4C_6R_4R_5 - C_3C_4C_6R_3R_4 + C_3C_4C_6R_3R_5 + C_3C_4C_6R_5 + C_3C_4C_$$

9.250 X-INVALID-ORDER-250 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4R_1R_4R_6s^2 + C_3R_1R_6s}{s^4\left(C_2C_3C_4C_6R_1R_4R_5R_6 + C_2C_3C_4C_6R_3R_4R_5R_6 + C_2C_3C_4R_3R_4R_5 + C_2C_3C_4R_3R_5 + C_2C_3C_4R_$$

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9.251 X-INVALID-ORDER-251 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_2C_3C_4C_6R_1R_4R_6 + C_2C_3C_4C_6R_3R_4R_6 - C_3C_4C_5R_3R_4 + C_2C_3C_6R_3R_6 + C_2C_4C_6R_3R_6 + C_3C_4C_6R_3R_6 + C_3C_4C_6R_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s
9.252 X-INVALID-ORDER-252 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_2 + C_3 + C_4 + C_5 + s^3\left(C_2C_3C_4C_5R_1R_4R_5 + C_2C_3C_4C_5R_3R_4 + C_2C_3C_5R_1R_5 + C_2C_3C_5R_3R_5 + C_2C_4C_5R_3R_5 + C_3C_4C_5R_3R_5 + C_3C_4C_5R_5R_5 + C_3C_5C_5R_5 + C_3C_5C_5C_5R_5 + C_3C_5C_5C_5C_5R_5 + C_3C_5C_5C_
9.253 X-INVALID-ORDER-253 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
9.254 X-INVALID-ORDER-254 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
9.255 X-INVALID-ORDER-255 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.256 X-INVALID-ORDER-256 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                           H(s) = \frac{C_3C_4C_5R_1R_4R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_3C_4R_1R_4R_6 + C_3C_5R_1R_5R_6\right)}{s^3\left(C_2C_3C_4R_1R_4R_5 + C_2C_3C_4R_3R_4R_5 - C_3C_4R_3R_4R_5 + C_2C_3R_3R_5 + C_2C_4R_4R_5 - C_3C_4R_3R_4 + C_3C_4R_3R_5 + C_3C_4R_4R_5 + C_3C_5R_3R_5 - C_4C_5R_4R_5\right) + s\left(C_2R_5 - C_3R_3 + C_3R_5 - C_4R_4 + C_4R_5 - C_5R_5\right) - 1}
9.257 X-INVALID-ORDER-257 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5R_1R_4R_5s^2 + C_3R_1 + s\left(C_3C_4R_1R_4 + C_3C_5R_1R_5\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_3R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_2C_4C_6R_4R_5 - C_3C_4C_6R_3R_5 + C_3C_4C_6R_5 + C_3C_4C_5C_6R_5 + C_3C_4C_5C_6R_5 + C_3C_4C_5C_6R_5 + C_3C_5C_6R_5 + C_3C_5C_6R_5 + C_3C_5C_6R_5 + C_3C_
9.258 X-INVALID-ORDER-258 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_4C_5C_6R_1R_4R_5R_6s^3 + C_3R_1 + s^2\left(C_3C_4C_5R_1R_4R_5 + C_3C_4C_6R_1R_4R_6 + C_3C_5C_6R_1R_5R_6\right) + s\left(C_3C_4R_1R_4 + C_3C_5R_1R_5 + C_3C_4R_1R_6\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_3R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_2C_4C_6R_4R_5 - C_3C_4C_6R_3R_5 + C_3C_4C_6R_5 + C_3C_4C_6R_5 + C_3C_4C_6R_5 + C_3C_4C_6R_5 + C_3C_4C_6R_5 + C_3C_4C_6R_5 + C_3C_4C_5C_6R_5 + C_3C_4C_5C_6R_5 + C_3C_5C_6R_5 + C_3C_5C_6R_5 + C_3C_5C_6R_5 + C_3C_5C_6R_5 + C_3C$

9.259 X-INVALID-ORDER-259 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_5R_6}{s^4\left(C_2C_3C_4C_6R_1R_4R_5R_6 + C_2C_3C_4C_6R_3R_4R_5R_6 - C_3C_4C_5C_6R_3R_4R_5R_6 + C_2C_3C_4R_3R_4R_5 + C_2C_3C_6R_3R_5R_6 + C_2C_3C_6R_3R_5R_6 + C_2C_3C_6R_3R_5R_6 + C_2C_3C_6R_3R_4R_5 - C_3C_4C_6R_3R_4R_5 - C_3C_4C_6R_4R_5 - C_3C_4C_6R_3R_4R_5 - C_3C_4C_6R_4R_5R_5 - C_3C_4C_6R_4R_5 - C_3C_4$

9.260 X-INVALID-ORDER-260 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

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9.261 X-INVALID-ORDER-261 Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_6R_1R_4R_6 + C_2C_3C_6R_3R_4R_6 + C_3C_4C_6R_3R_4R_6 - C_3C_5C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_2C_6R_4R_6 + C_3C_6R_3R_6 + C_3C_6R_4R_6 + C_4C_6R_4R_6 - C_5C_6R_4R_6\right) + s\left(C_2R_4 + C_3R_3 + C_4R_4 + C_4R_4 - C_5R_4 + C_4R_4 -$

9.262 X-INVALID-ORDER-262 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_5R_1R_4R_5 + C_2C_3C_5R_3R_4R_5 + C_3C_4C_5R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_2C_5R_4R_5 + C_3C_5R_3R_4 + C_3C_5R_3R_5 + C_3C_5R_4R_5 + C_4C_5R_4R_5\right) + s\left(C_2R_4 + C_3R_3 + C_4R_4 + C_5R_4 + C_5R_4 + C_5R_5\right) + 1}$

9.263 X-INVALID-ORDER-263 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.264 X-INVALID-ORDER-264 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

9.265 X-INVALID-ORDER-265 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^4 \left(C_2 C_3 C_5 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_3 R_4 R_5 R_6 + C_3 C_4 C_5 C_6 R_3 R_4 R_5 R_6 + C_3 C_5 C_6 R_3 R_4 R_5 + C_2 C_3 C_5 R_3 R_4 R_5 + C_2 C_3 C_5 R_3 R_4 R_5 + C_2 C_3 C_6 R_5 R_5 + C_2$

9.266 X-INVALID-ORDER-266 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_3R_4R_5R_6 + C_3C_4C_6R_3R_4R_5R_6 + C_3C_4R_3R_4R_5 + C_2C_3R_3R_4R_5 + C_2C_3R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_4R_5R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_4R_5R_5 + C_3C_6R_4R_5R_5 + C_3C_6R_5R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C$

9.267 X-INVALID-ORDER-267 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1 R_3 R_4 s + R_1 R_4}{C_2 C_3 C_6 R_1 R_3 R_4 R_5 s^3 + s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 + C_3 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$

9.268 X-INVALID-ORDER-268 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_3R_4R_6s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$

9.269 X-INVALID-ORDER-269 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_1 R_3 R_4 R_6 s + R_1 R_4 R_6}{C_2 C_3 C_6 R_1 R_3 R_4 R_5 R_6 s^3 - R_3 R_4 + R_3 R_5 + R_4 R_5 + s^2 \left(C_2 C_3 R_1 R_3 R_4 R_5 + C_2 C_6 R_1 R_4 R_5 R_6 + C_3 C_6 R_3 R_4 R_5 R_6\right) + s \left(C_2 R_1 R_4 R_5 + C_2 R_3 R_4 R_5 + C_3 R_3 R_4 R_5 + C_6 R_3 R_4 R_6 + C_6 R_3 R_5 R_6 + C_6 R_4 R_5 R_6\right)}$

9.270 X-INVALID-ORDER-270 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3C_6R_1R_3R_4R_6s^3 + R_3 + R_4 + s^2\left(C_2C_3R_1R_3R_4 + C_2C_6R_1R_4R_6 + C_2C_6R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_1R_4 + C_2R_3R_4 + C_3R_3R_4 + C_5R_3R_4 + C_6R_3R_6 + C_6R_4R_6\right)}$

9.271 X-INVALID-ORDER-271 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3C_5R_1R_3R_4R_5s^3 + R_3 + R_4 + s^2\left(C_2C_3R_1R_3R_4 + C_2C_5R_1R_4R_5 + C_2C_5R_3R_4R_5 + C_3C_5R_3R_4R_5\right) + s\left(C_2R_1R_4 + C_2R_3R_4 + C_3R_3R_4 - C_5R_3R_4 + C_5R_3R_5 + C_5R_4R_5\right)}$$

9.272 X-INVALID-ORDER-272 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_4s + C_5R_1R_4}{C_2C_3C_5C_6R_1R_3R_4R_5s^3 + C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_5C_6R_1R_4R_5 + C_2C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3$

9.273 X-INVALID-ORDER-273 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_2C_3C_5C_6R_1R_3R_4R_5s^3 + C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_5C_6R_1R_4R_5 + C_2C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_$

9.274 X-INVALID-ORDER-274 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3C_5C_6R_1R_3R_4R_5R_6s^4 + R_3 + R_4 + s^3\left(C_2C_3C_5R_1R_3R_4R_5 + C_2C_5C_6R_1R_4R_5R_6 + C_2C_5C_6R_3R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_3R_4 + C_2C_5R_1R_4R_5 + C_2C_5R_3R_4R_5 + C_2C_6R_3R_4R_5 + C_2C_6R_3R_4R$

9.275 X-INVALID-ORDER-275 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4R_5s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5\right)}{C_2C_3C_6R_1R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$$

9.276 X-INVALID-ORDER-276 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_3R_4R_5R_6s^3 + R_1R_4 + s^2\left(C_3C_5R_1R_3R_4R_5 + C_3C_6R_1R_3R_4R_6 + C_5C_6R_1R_4R_5R_6\right) + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$$

9.277 X-INVALID-ORDER-277 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)}{C_2C_3C_6R_1R_3R_4R_5R_6s^3 - R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_6R_1R_4R_5R_6 + C_3C_6R_3R_4R_5R_6 + C_5C_6R_3R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 + C_3R_3R_4R_5$$

9.278 X-INVALID-ORDER-278 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_1 R_3 s + R_1}{C_2 C_3 C_6 R_1 R_3 R_5 s^3 + s^2 \left(C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_3 C_6 R_3 R_5 + C_4 C_6 R_3 R_5\right) + s \left(-C_6 R_3 + C_6 R_5\right)}$$

9.279 X-INVALID-ORDER-279 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_1R_3R_6s^2 + R_1 + s\left(C_3R_1R_3 + C_6R_1R_6\right)}{C_2C_3C_6R_1R_3R_5s^3 + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$$

9.280 X-INVALID-ORDER-280 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3R_1R_3R_6s + R_1R_6}{C_2C_3C_6R_1R_3R_5R_6s^3 - R_3 + R_5 + s^2\left(C_2C_3R_1R_3R_5 + C_2C_6R_1R_5R_6 + C_2C_6R_3R_5R_6 + C_4C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5 - C_6R_3R_6 + C_6R_5R_6\right)}$$

9.281 X-INVALID-ORDER-281 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_6s^2 + C_5R_1R_6s}{C_2C_3C_6R_1R_3R_6s^3 + s^2\left(C_2C_3R_1R_3 + C_2C_6R_1R_6 + C_2C_6R_3R_6 + C_3C_6R_3R_6 + C_4C_6R_3R_6 - C_5C_6R_3R_6\right) + s\left(C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3 + C_6R_6\right) + 1}$$

9.282 X-INVALID-ORDER-282 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_6s^2 + C_5R_1R_6s}{C_2C_3C_5R_1R_3R_5s^3 + s^2\left(C_2C_3R_1R_3 + C_2C_5R_1R_5 + C_2C_5R_3R_5 + C_3C_5R_3R_5 + C_4C_5R_3R_5\right) + s\left(C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3 + C_5R_5\right) + 1}$$

9.283 X-INVALID-ORDER-283 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3s + C_5R_1}{C_2C_3C_5C_6R_1R_3R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_3 + C_2C_5C_6R_1R_5 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + S_4C_5C_6R_3R_5\right) + s\left(C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3 + C_5C_6R_3\right)}$$

9.284 X-INVALID-ORDER-284 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_3R_6s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_5C_6R_1R_6\right)}{C_2C_3C_5C_6R_1R_3R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_3 + C_2C_5C_6R_1R_5 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_4C_5C_6R_3R_5\right) + s\left(C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3 + C_5C_6R_5\right)}$$

9.285 X-INVALID-ORDER-285 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_6s^2 + C_5R_1R_6s}{C_2C_3C_5C_6R_1R_3R_5R_6s^4 + s^3\left(C_2C_3C_5R_1R_3R_5 + C_2C_5C_6R_1R_3R_6 + C_2C_5C_6R_3R_5R_6 + C_4C_5C_6R_3R_5R_6\right) + s^2\left(C_2C_3R_1R_3 + C_2C_5R_1R_5 + C_2C_6R_3R_6 + C_3C_5R_3R_5 + C_3C_6R_3R_6 + C_4C_5R_3R_5 + C_4C_5R_5R_5 + C$$

9.286 X-INVALID-ORDER-286 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_5s^2 + R_1 + s\left(C_3R_1R_3 + C_5R_1R_5\right)}{C_2C_3C_6R_1R_3R_5s^3 + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$$

9.287 X-INVALID-ORDER-287 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_3R_5R_6s^3 + R_1 + s^2\left(C_3C_5R_1R_3R_5 + C_3C_6R_1R_3R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_3R_1R_3 + C_5R_1R_5 + C_6R_1R_6\right)}{C_2C_3C_6R_1R_3R_5s^3 + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$$

9.288 X-INVALID-ORDER-288 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_5R_6s^2 + R_1R_6 + s\left(C_3R_1R_3R_6 + C_5R_1R_5R_6\right)}{C_2C_3C_6R_1R_3R_5R_6s^3 - R_3 + R_5 + s^2\left(C_2C_3R_1R_3R_5 + C_2C_6R_1R_5R_6 + C_3C_6R_3R_5R_6 + C_4C_6R_3R_5R_6 + C_4C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5 - C_5R_3R_5 - C_6R_3R_6 + C_6R_5R_6\right)}$$

9.289 X-INVALID-ORDER-289 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_1R_3R_4R_6s^2 + R_1R_6 + s\left(C_3R_1R_3R_6 + C_4R_1R_4R_6\right)}{C_2C_3C_4R_1R_3R_4R_5s^3 - R_3 + R_5 + s^2\left(C_2C_3R_1R_3R_5 + C_2C_4R_1R_4R_5 + C_2C_4R_3R_4R_5 + C_3C_4R_3R_4R_5\right) + s\left(C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 - C_4R_3R_4 + C_4R_3R_5 + C_4R_4R_5\right)}$$

9.290 X-INVALID-ORDER-290 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4R_1R_3R_4s^2 + R_1 + s\left(C_3R_1R_3 + C_4R_1R_4\right)}{C_2C_3C_4C_6R_1R_3R_4R_5s^4 + s^3\left(C_2C_3C_6R_1R_3R_5 + C_2C_4C_6R_1R_4R_5 + C_2C_4C_6R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_4 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5\right) + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5\right)}$$

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9.291 X-INVALID-ORDER-291 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                    H(s) = \frac{C_3C_4C_6R_1R_3R_4R_6s^3 + R_1 + s^2\left(C_3C_4R_1R_3R_4 + C_3C_6R_1R_3R_6 + C_4C_6R_1R_4R_6\right) + s\left(C_3R_1R_3 + C_4R_1R_4 + C_6R_1R_6\right)}{C_2C_3C_4C_6R_1R_3R_4R_5s^4 + s^3\left(C_2C_3C_6R_1R_3R_5 + C_2C_4C_6R_1R_4R_5 + C_2C_4C_6R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_4C_6R_3R_4 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5\right) + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5\right)}
9.292 X-INVALID-ORDER-292 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_3C_4R_1R_3R_4R_6s^2 + R_1R_6 + s\left(C_3R_1R_3R_6 + C_4R_1R_4R_6\right)}{C_2C_3C_4C_6R_1R_3R_4R_5R_6s^4 - R_3 + R_5 + s^3\left(C_2C_3C_4R_1R_3R_4R_5 + C_2C_4C_6R_1R_4R_5R_6 + C_2C_4C_6R_3R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_3R_5 + C_2C_4R_3R_4R_5 + C_2
9.293 X-INVALID-ORDER-293 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                H(s) = \frac{C_3C_4C_5R_1R_3R_4R_6s^3 + C_5R_1R_6s + s^2\left(C_3C_5R_1R_3R_6 + C_4C_5R_1R_4R_6\right)}{C_2C_3C_4R_1R_3R_4s^3 + s^2\left(C_2C_3R_1R_3 + C_2C_4R_1R_4 + C_2C_4R_3R_4 + C_3C_4R_3R_4 - C_4C_5R_3R_4\right) + s\left(C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3 + C_4R_4 - C_5R_3\right) + 1}
9.294 X-INVALID-ORDER-294 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                 H(s) = \frac{C_3C_4C_5R_1R_3R_4s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_4C_5R_1R_4\right)}{C_2C_3C_4C_6R_1R_3R_4s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_3 + C_2C_4C_6R_1R_4 + C_2C_4C_6R_3R_4 + C_3C_4C_6R_3R_4 - C_4C_5C_6R_3R_4\right) + s\left(C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 + C_4C_6R_4 - C_5C_6R_3\right)}
9.295 X-INVALID-ORDER-295 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                H(s) = \frac{C_3C_4C_5C_6R_1R_3R_4R_6s^3 + C_5R_1 + s^2\left(C_3C_4C_5R_1R_3R_4 + C_3C_5C_6R_1R_3R_6 + C_4C_5C_6R_1R_4R_6\right) + s\left(C_3C_5R_1R_3 + C_4C_5R_1R_4 + C_5C_6R_1R_6\right)}{C_2C_3C_4C_6R_1R_3R_4s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_3 + C_2C_4C_6R_1R_4 + C_2C_4C_6R_3R_4 + C_3C_4C_6R_3R_4 - C_4C_5C_6R_3R_4\right) + s\left(C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 + C_4C_6R_3 + C_4C_6R_3\right)}
9.296 X-INVALID-ORDER-296 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
                               \frac{C_3C_4C_5R_1R_3R_4R_6s^3 + C_5R_1R_6s + s^2\left(C_3C_5R_1R_3R_6 + C_4C_5R_1R_4R_6\right)}{C_2C_3C_4C_6R_1R_3R_4R_6s^4 + s^3\left(C_2C_3C_4R_1R_3R_4 + C_2C_4C_6R_1R_4R_6 + C_2C_4C_6R_3R_4R_6 + C_3C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_1R_3 + C_2C_4R_1R_4 + C_2C_4R_3R_4 + C_2C_6R_3R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_4 + C_3C
9.297 X-INVALID-ORDER-297 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_4C_5R_1R_3R_4R_6s^3 + C_5R_1R_3R_4 + s^2\left(C_3C_5R_1R_3R_6 + C_4C_5R_1R_4R_6\right)}{C_2C_3C_4C_5R_1R_3R_4R_5s^4 + s^3\left(C_2C_3C_4R_1R_3R_4 + C_2C_3C_5R_1R_3R_5 + C_2C_4C_5R_1R_4R_5 + C_2C_4C_5R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_3 + C_2C_4R_1R_4 + C_2C_5R_1R_5 + C_2C_5R_3R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 - C_4C_5R_3R_4 + C_4C_5R_3R_5 + C_4C_5R_5R_5 + C_4C_5R_5R_5 + C_4C_5R_5R_5 + C_4C_5R_5R_5 + C_4C_5R_5R
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9.298 X-INVALID-ORDER-298 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_3R_4s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_4C_5R_1R_4\right)}{C_2C_3C_4C_5C_6R_1R_3R_4R_5s^4 + C_6 + s^3\left(C_2C_3C_4C_6R_1R_3R_4 + C_2C_3C_5C_6R_1R_3R_4 + C_2C_4C_5C_6R_1R_3R_4 + C_2C_4C_5C_6R_1R_3 + C_2C_4C_5C_6R_1R_3 + C_2C_4C_5C_6R_1R_3 + C_2C_4C_5C_6R_1R_3 + C_2C_4C_5C_6R_1R_3 + C_2C_4C_5C_6R_1R_4 + C_2C$

9.299 X-INVALID-ORDER-299 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_3R_4R_6s^3 + C_5R_1 + s^2\left(C_3C_4C_5R_1R_3R_4 + C_3C_5C_6R_1R_3R_6 + C_4C_5C_6R_1R_4R_6\right) + s\left(C_3C_5R_1R_3 + C_4C_5R_1R_4 + C_5C_6R_1R_4R_6\right) + s\left(C_3C_5R_1R_3R_4 + C_5C_5C_6R_1R_4R_6\right) + s\left(C_3C_5R_1R_3R_4 + C_5C_5C_6R_1R_4R_6\right) + s\left(C_3C_5R_1R_3R_4 + C_5C_5C_6R_1R_4R_6\right) + s\left(C_3C_5R_1R_4R_6\right) + s\left(C_3C_5R_1R_$

9.300 X-INVALID-ORDER-300 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.301 X-INVALID-ORDER-301 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$ $H(s) = \frac{C_3C_4C_5R_1R_3R_4R_5R_6s^3 + R_1R_6 + s^2\left(C_3C_4R_1R_3R_4R_6 + C_3C_5R_1R_3R_5R_6 + C_4C_5R_1R_4R_5R_6\right) + s\left(C_3R_1R_3R_6 + C_4R_1R_4R_6 + C_5R_1R_5R_6\right)}{C_2C_3C_4R_1R_3R_4R_5s^3 - R_3 + R_5 + s^2\left(C_2C_3R_1R_3R_5 + C_2C_4R_1R_4R_5 + C_3C_4R_3R_4R_5 + C_3C_4R_3R_4R_5\right) + s\left(C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 - C_4R_3R_4 + C_4R_3R_5 + C_4R_4R_5 - C_5R_3R_5\right)}$ **9.302** X-INVALID-ORDER-302 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$ $\frac{C_3C_4C_5R_1R_3R_4R_5s^3 + R_1 + s^2\left(C_3C_4R_1R_3R_4 + C_3C_5R_1R_3R_5 + C_4C_5R_1R_4R_5\right) + s\left(C_3R_1R_3 + C_4R_1R_4 + C_5R_1R_5\right)}{C_2C_3C_4C_6R_1R_3R_4R_5s^4 + s^3\left(C_2C_3C_6R_1R_3R_5 + C_2C_4C_6R_1R_4R_5 + C_3C_4C_6R_3R_4R_5 - C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5\right) + s\left(C_3C_4C_6R_1R_3R_4R_5s^4 + s^3\left(C_2C_3C_6R_1R_3R_5 + C_2C_4C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right) + s\left(C_3C_4R_1R_3R_4 + C_3C_5R_1R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3$ **9.303** X-INVALID-ORDER-303 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_4C_5C_6R_1R_3R_4R_5R_6s^4 + R_1 + s^3\left(C_3C_4C_5R_1R_3R_4R_5 + C_3C_4C_6R_1R_3R_4R_6 + C_3C_5C_6R_1R_3R_5R_6 + C_4C_5C_6R_1R_3R_5 + C_3C_6R_1R_3R_6 + C_4C_5R_1R_4R_5 + C_4C_6R_1R_4R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_3R_1R_3 + C_4R_1R_4 + C_5C_6R_1R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4$ **9.304** X-INVALID-ORDER-304 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$ $\frac{C_3C_4C_5R_1R_3R_4R_5R_6s^3 + R_1R_6 + s^2\left(C_3C_4R_1R_3R_4R_6 + C_3C_5R_1R_3R_5R_6 + C_4C_5R_1R_4R_5R_6s^3 + R_1R_6 + s^2\left(C_3C_4R_1R_3R_4R_5 + c_2C_4C_6R_1R_3R_4R_5R_6 + C_4C_5R_1R_4R_5R_6 + c_3C_4C_6R_3R_4R_5R_6 + c_3C_4C_6R_3R_4R_5R_6 + c_3C_4C_6R_3R_4R_5R_6 + c_3C_4C_6R_3R_4R_5R_6 + c_3C_4C_6R_3R_4R_5R_6 + c_3C_4R_1R_3R_4R_5 + c_3C_4R_1R_4R_5 + c_3C_4R_1R_4R$ **9.305** X-INVALID-ORDER-305 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3 R_1 R_3 R_4 s + R_1 R_4}{C_2 C_3 C_6 R_1 R_3 R_4 R_5 s^3 + s^2 \left(C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 + C_3 C_6 R_3 R_4 R_5 + C_4 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$ **9.306** X-INVALID-ORDER-306 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_6R_1R_3R_4R_6s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$ **9.307** X-INVALID-ORDER-307 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_3R_1R_3R_4R_6s + R_1R_4R_6}{C_2C_3C_6R_1R_3R_4R_5R_6s^3 - R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_6R_1R_4R_5R_6 + C_3C_6R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_4R_3R_4R_5 + C_4R_3R_4R_5 + C_6R_3R_4R_5 + C_6R_3R_5R_5 + C_6R_5R_5R_5 +$ **9.308** X-INVALID-ORDER-308 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$ $H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3C_6R_1R_3R_4R_6s^3 + R_3 + R_4 + s^2\left(C_2C_3R_1R_3R_4 + C_2C_6R_1R_4R_6 + C_3C_6R_3R_4R_6 + C_4C_6R_3R_4R_6\right) + s\left(C_2R_1R_4 + C_2R_3R_4 + C_3R_3R_4 + C_4R_3R_4 - C_5R_3R_4 + C_6R_3R_6 + C_6R_4R_6\right)}$ **9.309** X-INVALID-ORDER-309 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3C_5R_1R_3R_4R_5s^3 + R_3 + R_4 + s^2\left(C_2C_3R_1R_3R_4 + C_2C_5R_1R_4R_5 + C_2C_5R_3R_4R_5 + C_4C_5R_3R_4R_5\right) + s\left(C_2R_1R_4 + C_2R_3R_4 + C_4R_3R_4 - C_5R_3R_4 + C_5R_3R_5 + C_5R_4R_5\right)}$

9.310 X-INVALID-ORDER-310 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4s + C_5R_1R_4}{C_2C_3C_5C_6R_1R_3R_4R_5s^3 + C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_5C_6R_3R_4R_5 + C_3C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_4C_6R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3$$

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9.311 X-INVALID-ORDER-311 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                    H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_2C_3C_5C_6R_1R_3R_4R_5s^3 + C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_5C_6R_1R_4R_5 + C_2C_5C_6R_3R_4R_5 + C_4C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_1R_4 + C_4C_6R_3R_4 + C_4C_6R_3R_4 + C_5C_6R_3R_4 +
9.312 X-INVALID-ORDER-312 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
                                 \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_3C_5C_6R_1R_3R_4R_5R_6s^4 + R_3 + R_4 + s^3\left(C_2C_3C_5R_1R_3R_4R_5 + C_2C_5C_6R_1R_4R_5R_6 + C_2C_5C_6R_3R_4R_5R_6 + C_4C_5C_6R_3R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_3R_4 + C_2C_5R_1R_4R_5 + C_2C_5R_1R_4R_
9.313 X-INVALID-ORDER-313 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                            H(s) = \frac{C_3C_5R_1R_3R_4R_5s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5\right)}{C_2C_3C_6R_1R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}
9.314 X-INVALID-ORDER-314 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                            H(s) = \frac{C_3C_5C_6R_1R_3R_4R_5R_6s^3 + R_1R_4 + s^2\left(C_3C_5R_1R_3R_4R_5 + C_3C_6R_1R_3R_4R_6 + C_5C_6R_1R_4R_5R_6\right) + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}
9.315 X-INVALID-ORDER-315 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)
H(s) = \frac{C_3C_5R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)}{C_2C_3C_6R_1R_3R_4R_5R_6s^3 - R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_6R_1R_4R_5R_6 + C_3C_6R_3R_4R_5R_6 + C_4C_6R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_4R_3R_4R_5 + C_5R_3R_4R_5 + C_5R_5R_5R_5 + C_5R_5R_5R_5 + C_5R_5R_5R_5 + C_5R_5R_5R_5 + C_5R_5R_5R_5 + C_5R_
9.316 X-INVALID-ORDER-316 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                      H(s) = \frac{C_2 R_1 R_2 R_4 R_6 s + R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s \left(C_2 R_1 R_4 R_5 - C_2 R_2 R_3 R_4 + C_2 R_2 R_3 R_5 + C_2 R_2 R_4 R_5 + C_2 R_3 R_4 R_5\right)}
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9.317 X-INVALID-ORDER-317
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2 R_1 R_2 R_4 s + R_1 R_4}{s^2 \left(C_2 C_6 R_1 R_4 R_5 - C_2 C_6 R_2 R_3 R_4 + C_2 C_6 R_2 R_3 R_5 + C_2 C_6 R_2 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 \right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5 \right)}$$

9.318 X-INVALID-ORDER-318
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_6R_1R_2R_4R_6s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_6R_1R_4R_6\right)}{s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$$

9.319 X-INVALID-ORDER-319
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{-C_2C_5C_6R_2R_3R_4R_6s^3 + R_3 + R_4 + s^2\left(-C_2C_5R_2R_3R_4 + C_2C_6R_2R_3R_6 + C_2C_6R_2R_4R_6 + C_2C_6R_3R_4R_6\right) + s\left(C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 - C_5R_3R_4 + C_6R_3R_6 + C_6R_4R_6\right)}$$

9.320 X-INVALID-ORDER-320
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{R_3 + R_4 + s^3\left(C_2C_5C_6R_1R_4R_5R_6 - C_2C_5C_6R_2R_3R_4R_6 + C_2C_5C_6R_2R_4R_5R_6 + C_2C_5C_6R_2R_4R_5R_6 + C_2C_5C_6R_2R_4R_5R_6 + C_2C_5R_2R_4R_5 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_2C_5R_4R_5 + C_2C_5R_5R_5 + C_2C_5R_5R_$$

9.321 X-INVALID-ORDER-321 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_5s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_5R_1R_4R_5\right)}{-C_2C_5C_6R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$$

9.322 X-INVALID-ORDER-322 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_4 + s^2\left(C_2C_5R_1R_2R_4R_5 + C_2C_6R_1R_2R_4R_6 + C_5C_6R_1R_4R_5R_6\right) + s\left(C_2R_1R_2R_4 + C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{-C_2C_5C_6R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$$

9.323 X-INVALID-ORDER-323 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_5R_1R_4R_5R_6\right)}{-C_2C_5C_6R_2R_3R_4R_5R_6s^3 - R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(-C_2C_5R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_6 + C_2C_6R_2R_3R_4R_5R_6 + C_2C_6R_3R_4R_5R_6 + C_2C_6R_3R_4R_5 + C_2C_6R_5R_5R_5 + C_2C_6R_5R_5R_5 + C_2C_6R_5R_5R_5 + C_2C_6R_5R_5R_5 + C_2C_6R_5R_5R_5 + C_2C_6R_5R_5R_5 + C_2C_5R_5R_5 + C_2C_5R_5R_5 + C_2C_5R_$$

9.324 X-INVALID-ORDER-324 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 R_1 R_2 s + R_1}{C_2 C_4 C_6 R_2 R_3 R_5 s^3 + s^2 \left(C_2 C_6 R_1 R_5 - C_2 C_6 R_2 R_3 + C_2 C_6 R_2 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 \right) + s \left(-C_6 R_3 + C_6 R_5 \right)}$$

9.325 X-INVALID-ORDER-325 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_6R_1R_2R_6s^2 + R_1 + s\left(C_2R_1R_2 + C_6R_1R_6\right)}{C_2C_4C_6R_2R_3R_5s^3 + s^2\left(C_2C_6R_1R_5 - C_2C_6R_2R_3 + C_2C_6R_2R_5 + C_2C_6R_3R_5 + C_4C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$$

9.326 X-INVALID-ORDER-326 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2 R_1 R_2 R_6 s + R_1 R_6}{C_2 C_4 C_6 R_2 R_3 R_5 R_6 s^3 - R_3 + R_5 + s^2 \left(C_2 C_4 R_2 R_3 R_5 + C_2 C_6 R_1 R_5 R_6 - C_2 C_6 R_2 R_3 R_6 + C_2 C_6 R_2 R_5 R_6 + C_2 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 R_6 \right) + s \left(C_2 R_1 R_5 - C_2 R_2 R_3 + C_2 R_2 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5 - C_6 R_3 R_6 + C_6 R_5 R_6 \right)}$$

9.327 X-INVALID-ORDER-327 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s}{s^3\left(C_2C_4C_6R_2R_3R_6 - C_2C_5C_6R_2R_3R_6\right) + s^2\left(C_2C_4R_2R_3 - C_2C_5R_2R_3 + C_2C_6R_1R_6 + C_2C_6R_2R_6 + C_2C_6R_3R_6 - C_5C_6R_3R_6\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_4R_3 - C_5R_3 + C_6R_6\right) + 1}$$

9.328 X-INVALID-ORDER-328 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s}{C_2C_4C_5R_2R_3R_5s^3 + s^2\left(C_2C_4R_2R_3 + C_2C_5R_1R_5 - C_2C_5R_2R_3 + C_2C_5R_2R_5 + C_2C_5R_3R_5 + C_4C_5R_3R_5\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_4R_3 - C_5R_3 + C_5R_5\right) + 1}$$

9.329 X-INVALID-ORDER-329 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5R_1R_2s + C_5R_1}{C_2C_4C_5C_6R_2R_3R_5s^3 + C_6 + s^2\left(C_2C_4C_6R_2R_3 + C_2C_5C_6R_1R_5 - C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_5 + C_2C_5C_6R_3R_5\right) + s\left(C_2C_6R_1 + C_2C_6R_2 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3 + C_4C_6R_3\right)}$$

9.330 X-INVALID-ORDER-330 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5C_6R_1R_2R_6s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_5C_6R_1R_6\right)}{C_2C_4C_5C_6R_2R_3R_5s^3 + C_6 + s^2\left(C_2C_4C_6R_2R_3 + C_2C_5C_6R_1R_5 - C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_5 + C_2C_5C_6R_3R_5 + C_4C_5C_6R_3R_5\right) + s\left(C_2C_6R_1 + C_2C_6R_2 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3 + C_5C_6R_3\right)}$$

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9.331 X-INVALID-ORDER-331 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s
H(s) = \frac{C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s}{C_2C_4C_5C_6R_2R_3R_5R_6s^4 + s^3\left(C_2C_4C_5R_2R_3R_5 + C_2C_5C_6R_1R_5R_6 - C_2C_5C_6R_2R_3R_6 + C_2C_5C_6R_2R_3R_5 + C_2C_5R_3R_5 + C_2C_5R_2R_3 + C_2C_5R_3R_3 + C_2C_5R_
9.332 X-INVALID-ORDER-332 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                             H(s) = \frac{C_2C_5R_1R_2R_5s^2 + R_1 + s\left(C_2R_1R_2 + C_5R_1R_5\right)}{s^3\left(C_2C_4C_6R_2R_3R_5 - C_2C_5C_6R_2R_3R_5\right) + s^2\left(C_2C_6R_1R_5 - C_2C_6R_2R_3 + C_2C_6R_2R_5 + C_2C_6R_3R_5 + C_4C_6R_3R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}
9.333 X-INVALID-ORDER-333 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                           H(s) = \frac{C_2C_5C_6R_1R_2R_5R_6s^3 + R_1 + s^2\left(C_2C_5R_1R_2R_5 + C_2C_6R_1R_2R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_2R_1R_2 + C_5R_1R_5 + C_6R_1R_6\right)}{s^3\left(C_2C_4C_6R_2R_3R_5 - C_2C_5C_6R_2R_3R_5\right) + s^2\left(C_2C_6R_1R_5 - C_2C_6R_2R_3 + C_2C_6R_2R_5 + C_2C_6R_3R_5 + C_4C_6R_3R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}
9.334 X-INVALID-ORDER-334 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_5R_1R_2R_5R_6s^2 + R_1R_6 + s\left(C_2R_1R_2R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^3\left(C_2C_4C_6R_2R_3R_5R_6 - C_2C_5C_6R_2R_3R_5R_6\right) + s^2\left(C_2C_4R_2R_3R_5 - C_2C_5R_2R_3R_5 + C_2C_6R_1R_5R_6 - C_2C_6R_2R_3R_5R_6 + C_2C_6R_3R_5R_6 + C_2C_6R_3R_5R_6\right) + s\left(C_2R_1R_5 - C_2R_2R_3 + C_2R_2R_5 + C_2R_3R_5 + C_2
9.335 X-INVALID-ORDER-335 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                  H(s) = \frac{C_2C_4R_1R_2R_4s^2 + R_1 + s\left(C_2R_1R_2 + C_4R_1R_4\right)}{s^3\left(C_2C_4C_6R_1R_4R_5 - C_2C_4C_6R_2R_3R_4 + C_2C_4C_6R_2R_3R_5 + C_2C_4C_6R_2R_4R_5 + C_2C_4C_6R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_5 - C_2C_6R_2R_3 + C_2C_6R_3R_5 - C_4C_6R_3R_4 + C_4C_6R_3R_5 + C_4C_6R_4R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}
9.336 X-INVALID-ORDER-336 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                H(s) = \frac{C_2C_4C_6R_1R_2R_4R_6s^3 + R_1 + s^2\left(C_2C_4R_1R_2R_4 + C_2C_6R_1R_2R_6 + C_4C_6R_1R_4R_6\right) + s\left(C_2R_1R_2 + C_4R_1R_4 + C_6R_1R_6\right)}{s^3\left(C_2C_4C_6R_1R_4R_5 - C_2C_4C_6R_2R_3R_4 + C_2C_4C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_5 + C_2C_6R_2R_3 + C_2C_6R_2R_3 + C_2C_6R_2R_3 + C_2C_6R_3R_5 + C_4C_6R_3R_4 + C_4C_6R_3R_5 + C_4C_6R_5R_5 + C_4C_6R_5R_5
9.337 X-INVALID-ORDER-337 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_4R_1R_2R_4R_6s^2 + R_1R_6 + s\left(C_2R_1R_2R_6 + C_4R_1R_4R_6\right)}{-R_3 + R_5 + s^3\left(C_2C_4C_6R_1R_4R_5R_6 - C_2C_4C_6R_2R_3R_4R_6 + C_2C_4C_6R_2R_3R_5R_6 + C_2C_4C_6R_2R_3R_4R_5 + C_2C_4R_2R_3R_4 + C_2C_4R_2R_3R_5 + C_2C_4R_2R_3R_5 + C_2C_4R_3R_4R_5 + C_2C_4R_3R_5 + C_2C_4R_5R_5 + C_2C_4R_5R_5 + C_2C_4R_5R_5 + C_2C_4R_5R_5 + C_2C_4R_5R_5 + 
9.338 X-INVALID-ORDER-338 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                           H(s) = \frac{C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_1R_6s + s^2\left(C_2C_5R_1R_2R_6 + C_4C_5R_1R_4R_6\right)}{-C_2C_4C_5R_2R_3R_4s^3 + s^2\left(C_2C_4R_1R_4 + C_2C_4R_2R_3 + C_2C_4R_2R_4 + C_2C_4R_3R_4 - C_2C_5R_2R_3 - C_4C_5R_3R_4\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_4R_3 + C_4R_4 - C_5R_3\right) + 1}
9.339 X-INVALID-ORDER-339 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                            H(s) = \frac{C_2C_4C_5R_1R_2R_4s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_4C_5R_1R_4\right)}{-C_2C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_2C_4C_6R_1R_4 + C_2C_4C_6R_2R_4 + C_2C_4C_6R_3R_4 - C_2C_5C_6R_2R_3 - C_4C_5C_6R_3R_4\right) + s\left(C_2C_6R_1 + C_2C_6R_3 + C_4C_6R_3 + C_4C_6R_3
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9.340 X-INVALID-ORDER-340 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_4C_5C_6R_1R_2R_4R_6s^3 + C_5R_1 + s^2\left(C_2C_4C_5R_1R_2R_4 + C_2C_5C_6R_1R_2R_6 + C_4C_5C_6R_1R_4R_6\right) + s\left(C_2C_5R_1R_2 + C_4C_5R_1R_4 + C_5C_6R_1R_6\right)}{-C_2C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_2C_4C_6R_1R_4 + C_2C_4C_6R_2R_4 + C_2C_4C_6R_3R_4 - C_2C_5C_6R_2R_3 - C_4C_5C_6R_3R_4\right) + s\left(C_2C_6R_1 + C_2C_6R_2 + C_2C_6R_3 + C_4C_6R_3 + C_4C_6R_4 - C_5C_6R_3\right)}$

346

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9.341 X-INVALID-ORDER-341 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_1R_6s + s^2(C_2C_5R_1R_2R_6 + C_4C_5R_1R_4R_6)
H(s) = \frac{C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_1R_2R_4R_6s^3 + C_5R_1R_2R_6 + C_4C_5R_1R_4R_6)}{-C_2C_4C_5C_6R_2R_3R_4R_6s^4 + s^3\left(-C_2C_4C_5R_2R_3R_4 + C_2C_4C_6R_2R_3R_6 + C_2C_4
9.342 X-INVALID-ORDER-342 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                             \frac{C_{2}C_{4}C_{5}R_{1}R_{2}R_{4}R_{6}s^{3}+C_{5}R_{1}R_{6}s+s^{2}\left(C_{2}C_{5}R_{1}R_{2}R_{6}+C_{4}C_{5}R_{1}R_{4}R_{6}\right)}{s^{3}\left(C_{2}C_{4}C_{5}R_{1}R_{4}R_{5}-C_{2}C_{4}C_{5}R_{2}R_{3}R_{5}+C_{2}C_{4}C_{5}R_{2}R_{3}R_{5}+C_{2}C_{4}C_{5}R_{3}R_{4}+C_{2}C_{4}R_{3}R_{4}+C_{2}C_{4}R_{3}R_{4}+C_{2}C_{5}R_{1}R_{5}-C_{2}C_{5}R_{2}R_{5}+C_{2}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}R_{5}+C_{4}C_{5}+C_{5}C_{5}+C_{5}C_{5}+C_{5}C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C_{5}+C
9.343 X-INVALID-ORDER-343 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_4C_5R_1R_2R_4s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_4C_5R_1R_4\right)}{C_6 + s^3\left(C_2C_4C_5C_6R_2R_3R_4 + C_2C_4C_5C_6R_2R_3R_5 + C_2C_4C_5C_6R_2R_4R_5 + C_2C_4C_5C_6R_2R_4R_5 + C_2C_4C_6R_2R_4 + C_2C_4C_6R_4R_4 + C_2C_4C
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9.344 X-INVALID-ORDER-344 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_4C_5C_6R_1R_2R_4R_6s^3 + C_5R_1 + s^2\left(C_2C_4C_5R_1R_2R_4 + C_2C_5C_6R_1R_2R_6 + C_4C_5C_6R_1R_4R_6\right) + s\left(C_2C_5R_1R_2 + C_4C_5R_1R_4 + C_5C_6R_1R_4\right) + s\left(C_2C_5R_1R_2 + C_4C_5R_1R_4 + C_5C_6R_1R_4\right) + s\left(C_2C_5R_1R_4 + C_5C_6R_1R_4 + C_5C_6R_1R_4\right) + s\left(C_2C_5R_1R_4 + C_2C_4C_5R_4R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_5R_1R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_5R_1R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_5R_1R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_5R_1R_4 + C_2C_4C_5R_4R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_4R_4R_4 + C_2C_4C_5R_4R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_4R_4R_4 + C_2C_4C_5R_4R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_4R_4R_4 + C_2C_4C_5R_4R_4 + C_2C_4C_5R_4R_4 + C_2C_4C_5R_4R_4\right) + s\left(C_2C_4R_4R_4 + C_2C_4C_5R_4R_4 + C_2C_4C_5R$

9.345 X-INVALID-ORDER-345 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^4 \left(C_2 C_4 C_5 C_6 R_1 R_4 R_5 R_6 - C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_6 + C_2 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_2 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_2 C_4 C_5 C_6 R_3 R_4 R_5 R_6 + C_2 C_4 C_5 R_2 R_3 R_4 + C_2 C_4 C_5 R_2 R_3 R_4 + C_2 C_4 C_5 R_2 R_3 R_4 + C_2 C_4 C_5 R_2 R_4 R_5 + C_2 C_4 C_5 R_5 R_5 + C_2$

9.346 X-INVALID-ORDER-346 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_4C_5R_1R_2R_4R_5R_6s^3 + R_1R_6 + s^2\left(C_2C_4R_1R_2R_4R_6 + C_2C_5R_1R_2R_5R_6 + C_4C_5R_1R_4R_5R_6\right) + s\left(C_2R_1R_2R_6 + C_4R_1R_4R_6 + C_5R_1R_5R_6\right)}{-C_2C_4C_5R_2R_3R_4R_5s^3 - R_3 + R_5 + s^2\left(C_2C_4R_1R_4R_5 - C_2C_4R_2R_3R_4 + C_2C_4R_2R_4R_5 + C_2C_4R_3R_4R_5 - C_2C_5R_2R_3R_5 - C_4C_5R_3R_4R_5\right) + s\left(C_2R_1R_5R_6 + C_4R_1R_4R_6 + C_5R_1R_5R_6\right)}$

9.347 X-INVALID-ORDER-347 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_4C_5R_1R_2R_4R_5s^3 + R_1 + s^2\left(C_2C_4R_1R_2R_4 + C_2C_5R_1R_2R_5 + C_4C_5R_1R_4R_5\right) + s\left(C_2R_1R_2 + C_4R_1R_4 + C_5R_1R_5\right)}{-C_2C_4C_5C_6R_2R_3R_4R_5s^4 + s^3\left(C_2C_4C_6R_1R_4R_5 - C_2C_4C_6R_2R_3R_4 + C_2C_4C_6R_3R_4 + C_2C_4C_6R_3R_$

9.348 X-INVALID-ORDER-348 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_4C_5C_6R_1R_2R_4R_5R_6s^4 + R_1 + s^3\left(C_2C_4C_5R_1R_2R_4R_5 + C_2C_4C_6R_1R_2R_4R_6 + C_2C_5C_6R_1R_2R_5R_6 + C_4C_5C_6R_1R_4R_5R_6\right) + s^2\left(C_2C_4R_1R_2R_4 + C_2C_5R_1R_2R_5 + C_2C_6R_1R_2R_6 + C_4C_5R_1R_4R_5 + C_4C_6R_1R_4R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_2R_1R_2R_4 + C_2C_5R_1R_2R_4 + C_2C_5R_1R_2R_5 + C_2C_6R_1R_2R_5 + C_4C_6R_1R_4R_5 + C_4C_6R_1R_4R_$

9.349 X-INVALID-ORDER-349 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_6s^2}{-C_2C_4C_5C_6R_2R_3R_4R_5R_6s^4 - R_3 + R_5 + s^3\left(-C_2C_4C_5R_2R_3R_4R_5 + C_2C_4C_6R_2R_3R_4R_6 + C_2C_4C_6R_2R_3R_4R_5R_6 + C_2C_4C_6R_2R_4R_5R_6 + C_2C_4C_6R_4R_4R_5R_6 + C_2C_4C_6R_4R_4R_5R_6 + C_2C_4C_6R_4R_4R_5R_6 + C_2C_4C_6R_4R_4R_5R_6 + C_2C_4C_6R_4R_4R_5R_6 + C_2C_4C_6R_4R_4R_5R_6 + C$

9.350 X-INVALID-ORDER-350 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $\frac{C_2R_1R_2R_4s + R_1R_4}{C_2C_4C_6R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$

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9.351 X-INVALID-ORDER-351 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                         H(s) = \frac{C_2C_6R_1R_2R_4R_6s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_6R_1R_4R_6\right)}{C_2C_4C_6R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}
9.352 X-INVALID-ORDER-352 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                     \frac{C_{2}R_{1}R_{2}R_{4}R_{6}s+R_{1}R_{4}R_{6}}{C_{2}C_{4}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}s^{3}-R_{3}R_{4}+R_{3}R_{5}+R_{4}R_{5}+s^{2}\left(C_{2}C_{4}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{3}+
9.353 X-INVALID-ORDER-353 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{R_3 + R_4 + s^3\left(C_2C_4C_6R_2R_3R_4R_6 - C_2C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_2C_4R_2R_3R_4 - C_2C_5R_2R_3R_4 + C_2C_6R_1R_4R_6 + C_2C_6R_2R_3R_4 + C_4C_6R_3R_4R_6 + C_4C_6R_3R_4R_6\right) + s\left(C_2R_1R_4 + C_2R_2R_3 + C_2R_3R_4 +
9.354 X-INVALID-ORDER-354 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                   \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{C_2C_4C_5R_2R_3R_4R_5s^3 + R_3 + R_4 + s^2\left(C_2C_4R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_5 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_5R_3R_4 + 
9.355 X-INVALID-ORDER-355 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_5R_1R_2R_4s + C_5R_1R_4}{C_2C_4C_5C_6R_2R_3R_4R_5s^3 + C_6R_3 + C_6R_4 + s^2\left(C_2C_4C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_5 + C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_4 +
9.356 X-INVALID-ORDER-356 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_5C_6R_1R_4R_6\right)}{C_2C_4C_5C_6R_2R_3R_4R_5s^3 + C_6R_3 + C_6R_4 + s^2\left(C_2C_4C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_4R_5 + C_2C_5C_6R_2R_4 
9.357 X-INVALID-ORDER-357 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_2C_4C_5C_6R_2R_3R_4R_5R_6s^4 + R_3 + R_4 + s^3\left(C_2C_4C_5R_2R_3R_4R_5 + C_2C_4C_6R_2R_3R_4R_6 + C_2C_5C_6R_2R_3R_4R_6 + C_2C_5C_6R_2R_3R_4R_5R_6 + C_2C_5C_6R_2R_3R_4R_5R_6 + C_2C_5C_6R_3R_4R_5R_6 + C_2C_5C_6R_3R_4R_5R_5 + C_2C_5C_6R_3R_4R_5R_5 + C_2C_5C_6R_5R_5R_5R_5 + C_2C_5C_6R_5R_5R_5R_5 + C_2C_5C_6R_5R_5R_5R_5 + C_2C_5C_6R_5R_5R_5R_5 + C_2C_5C_6R_5R_5R_5 + C_2C_
9.358 X-INVALID-ORDER-358 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                           H(s) = \frac{C_2C_5R_1R_2R_4R_5s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_5R_1R_4R_5\right)}{s^3\left(C_2C_4C_6R_2R_3R_4R_5 - C_2C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}
9.359 X-INVALID-ORDER-359 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                           H(s) = \frac{C_2C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_4 + s^2\left(C_2C_5R_1R_2R_4R_5 + C_2C_6R_1R_2R_4R_6 + C_5C_6R_1R_4R_5R_6\right) + s\left(C_2R_1R_2R_4 + C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{s^3\left(C_2C_4C_6R_2R_3R_4R_5 - C_2C_5C_6R_2R_3R_4R_5 + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(C_2R_1R_2R_4 + C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}
```

 $S_{2} = \frac{C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}R_{6}S + R_{1}R_{2}R_{5}R_{6}S + R_{1}R_{4}R_{5}R_{6}S + R_{2}R_{1}R_{2}R_{4}R_{5}R_{6} + C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{2}C_{6}R_{2$

 $C_2C_5R_1R_2R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_5R_1R_4R_5R_6\right)$

9.360 X-INVALID-ORDER-360 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.361 X-INVALID-ORDER-361 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 - C_2C_6R_2R_4R_6 + C_2C_6R_2R_5R_6 + C_2C_6R_4R_5R_6\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 + C_3R_4R_5 - C_6R_4R_6 + C_6R_5R_6\right)}$

9.362 X-INVALID-ORDER-362 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 - C_2C_5R_2R_4\right) + s\left(C_2R_2 + C_2R_4 + C_3R_4 - C_5R_4\right) + 1}$

9.363 X-INVALID-ORDER-363 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 - C_2C_5C_6R_2R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}$

9.364 X-INVALID-ORDER-364 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_6R_1R_4R_6 + C_2C_3C_6R_2R_4R_6 - C_2C_5C_6R_2R_4R_6\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 - C_2C_5R_2R_4 + C_2C_6R_2R_6 + C_2C_6R_4R_6 + C_3C_6R_4R_6\right) + s\left(C_2R_2 + C_2R_4 + C_3R_4 - C_5R_4 + C_6R_6\right) + 1}$

9.365 X-INVALID-ORDER-365 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_5R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 - C_2C_5R_2R_4 + C_2C_5R_2R_5 + C_2C_5R_4R_5 + C_3C_5R_4R_5\right) + s\left(C_2R_2 + C_2R_4 + C_3R_4 - C_5R_4 + C_5R_5\right) + 1}$

9.366 X-INVALID-ORDER-366 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_2R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + C_2C_5C_6R_2R_4 + C_2C_5C_6R_2R_5 + C_2C_5C_6R_4R_5\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 + C_5C_6R_4 + C_5C_6R_5\right)}$

9.367 X-INVALID-ORDER-367 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_2R_4 + C_2C_5C_6R_2R_4 + C_2C_5C_6R_2R_5 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 + C_5C_6R_4 + C_5C_6R_5\right)}$

9.368 X-INVALID-ORDER-368 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.369 X-INVALID-ORDER-369 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 - C_2C_5R_2R_4R_5\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 + C_3R_4R_5 - C_5R_4R_5\right)}$

9.370 X-INVALID-ORDER-370 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_4R_5R_6\right) + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 - C_2C_5C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 - C_5C_6R_4R_5\right)}$

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9.371 X-INVALID-ORDER-371 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-R_4 + R_5 + s^3\left(C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 - C_2C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 - C_2C_5R_2R_4R_5 - C_2C_6R_2R_4R_5 + C_2C_6R_2R_4R_5R_6 + C_2C_6R_4R_5R_6\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 + C_2C_3R_4R_5R_6\right) + s\left(-C_2R_2R_4R_5R_6 - C_2C_5R_4R_5R_6 + C_2C_6R_4R_5R_6 + C_2C_6R_4R_5R_6\right) + s\left(-C_2R_2R_4 + C_2R_4R_5 + C_2C_3R_4R_5R_6\right) + s\left(-C_2R_2R_4R_5 + C_2C_3R_4R_5R_6\right) + s\left(-C_2R_2R_4R_5R_6\right) + s\left(-C_2R_2R_4R_5R_$

9.372 X-INVALID-ORDER-372 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s}{s^3\left(C_2C_3C_6R_1R_5R_6 + C_2C_3C_6R_2R_5R_6 + C_2C_4C_6R_2R_5R_6\right) + s^2\left(C_2C_3R_1R_5 + C_2C_3R_2R_5 + C_2C_4R_2R_5 - C_2C_6R_2R_6 + C_2C_6R_5R_6 + C_3C_6R_5R_6 + C_4C_6R_5R_6\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5 - C_6R_6\right) - 1}$

9.373 X-INVALID-ORDER-373 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_2 - C_2C_5R_2\right)}$$

9.374 X-INVALID-ORDER-374 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_4C_6R_2 - C_2C_5C_6R_2\right)}$$

9.375 X-INVALID-ORDER-375 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_4C_6R_2 - C_2C_5C_6R_2\right)}$$

9.376 X-INVALID-ORDER-376 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 + C_5 + s^3\left(C_2C_3C_5C_6R_1R_5R_6 + C_2C_3C_5R_2R_5 + C_2C_3C_5R_1R_5 + C_2C_3C_6R_2R_6 + C_2C_3C_6R_2R_$$

9.377 X-INVALID-ORDER-377 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_5R_1R_5R_6\right)}{s^2\left(C_2C_3R_1R_5 + C_2C_3R_2R_5 + C_2C_4R_2R_5 - C_2C_5R_2R_5\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5\right) - 1}$$

9.378 X-INVALID-ORDER-378 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_1 + s^2\left(C_2C_3C_5R_1R_2R_5 + C_2C_3C_6R_1R_2R_6 + C_3C_5C_6R_1R_5R_6\right) + s\left(C_2C_3R_1R_2 + C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{-C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_4C_6R_2R_5 - C_2C_5C_6R_2R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$$

9.379 X-INVALID-ORDER-379 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_5R_1R_5R_6\right)$$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_5R_1R_5R_6\right)}{s^3\left(C_2C_3C_6R_1R_5R_6 + C_2C_3C_6R_2R_5R_6 + C_2C_4C_6R_2R_5R_6 - C_2C_5C_6R_2R_5R_6\right) + s^2\left(C_2C_3R_1R_5 + C_2C_4R_2R_5 - C_2C_5R_2R_5 - C_2C_6R_2R_6 + C_3C_6R_5R_6 + C_4C_6R_5R_6 - C_5C_6R_5R_6\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5 - C_6R_5R_6\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5 - C_6R_5R_6\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5 - C_6R_5R_6\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5 - C_6R_5R_6\right) + s\left(-C_2R_3 + C_3R_5 + C_4R_5 - C_5R_5 -$

9.380 X-INVALID-ORDER-380 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_4R_1R_4R_6\right)}{s^3\left(C_2C_3C_4R_1R_4R_5 + C_2C_3C_4R_2R_4R_5\right) + s^2\left(C_2C_3R_1R_5 + C_2C_3R_2R_5 - C_2C_4R_2R_4 + C_2C_4R_2R_5 + C_2C_4R_4R_5\right) + s\left(-C_2R_2 + C_2R_5 + C_3R_5 - C_4R_4 + C_4R_5\right) - 1}$$

9.381 X-INVALID-ORDER-381 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_4R_1R_2R_4s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_4R_1R_4\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_2R_4 + C_2C_3C_6R_2R_5 - C_2C_4C_6R_2R_4 + C_2C_4C_6R_2R_5 + C_2C_4C_6R_4R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 + C_3C_6R_5 - C_4C_6R_4 + C_4C_6R_5\right)}$ **9.382** X-INVALID-ORDER-382 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_4C_6R_1R_2R_4R_6s^3 + C_3R_1 + s^2\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_6R_1R_2R_6 + C_3C_4C_6R_1R_4R_6\right) + s\left(C_2C_3R_1R_2 + C_3C_4R_1R_4 + C_3C_6R_1R_6\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_2R_5 + C_2C_4C_6R_2R_4 + C_2C_4C_6R_2R_5 + C_2C_4C_6R_4R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 + C_3C_6R_5 - C_4C_6R_4 + C_4C_6R_5\right)}$ **9.383** X-INVALID-ORDER-383 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_1R_6s + s^2(C_2C_3R_1R_2R_6 + C_3C_4R_1R_4R_6)$ $H(s) = \frac{C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_4R_1R_4R_6\right)}{s^4\left(C_2C_3C_4C_6R_1R_4R_5R_6 + C_2C_3C_4R_2R_4R_5 + C_2C_3C_4R_1R_4R_5 + C_2C_3C_4R$ **9.384** X-INVALID-ORDER-384 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_6s + s^2\left(C_2C_3C_5R_1R_2R_6 + C_3C_4C_5R_1R_4R_6\right)}{C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_4R_2R_4 - C_2C_4C_5R_2R_4\right) + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_4 + C_2C_5R_2 + C_3C_4R_4 - C_4C_5R_4\right)}$ **9.385** X-INVALID-ORDER-385 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1 + s^2\left(C_2C_3C_4C_5R_1R_2R_4 + C_2C_3C_5C_6R_1R_2R_6 + C_3C_4C_5R_1R_4R_6\right) + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_2R_4 - C_2C_4C_5R_2R_4\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_4C_6R_2 + C_2C_4C_6R_4 - C_2C_5C_6R_4 + C_3C_4C_5R_4\right)}$ **9.386** X-INVALID-ORDER-386 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_6s + s^2\left(C_2C_3C_5R_1R_2R_6 + C_3C_4C_5R_1R_4R_6\right)}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_2C_3C_4C_6R_1R_4R_6 + C_2C_3C_6R_2R_4R_6\right) + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_6R_1R_6 + C_2C_4C_5R_2R_4 + C_2C_4C_6R_2R_6 + C_2C_4C_6R_2R_6 + C_3C_4C_5R_4R_6\right) + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_6R_1R_6 + C_2C_4C_6R_2R_6 + C_2C_4C_6R_2R_6 + C_3C_4C_5R_4R_6\right) + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_6R_1R_6 + C_2C_4C_6R_2R_6 + C_2C_4C_6R_2R_6 + C_3C_4C_5R_4R_6\right) + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2$ **9.387** X-INVALID-ORDER-387 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s + s^2\left(C_2C_3C_5R_1R_2R_6 + C_3C_4C_5R_1R_4R_6\right)}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_2C_3C_4C_5R_1R_4R_5 + C_2C_3C_4C_5R_2R_4 + C_2C_3C_5R_1R_5 + C_2C_3C_5R_1R_5 + C_2C_4C_5R_2R_4 + C_2C_4C_5R_2R_5 + C_2C_4C_5R_4R_5\right) + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_4 + C_2C_3C_5R_1R_5 + C_2C_4C_5R_2R_4 + C_2C_4C_5R_2R_5 + C_2C_4C_5R_4R_5 + C_3C_4C_5R_4R_5\right) + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_4 + C_2C_3C_5R_1R_5 + C_2C_4C_5R_2R_4 + C_2C_4C_5R_4R_5 + C_3C_4C_5R_4R_5\right) + s\left(C_2C_3R_1 + C_2C_3R_4 + C_2C_4C_5R_4R_5 + C_2C_4C_5R_4R_5 + C_2C_4C_5R_4R_5\right) + s\left(C_2C_3R_4R_5 + C_2C_4C_5R_4R_5 + C_2C_4C_5R_4R_5\right) + s\left(C_2C_3R_4R_5 + C_2C_4C_5R_4R_5 + C_2C_4C_5R_4R_5 + C_2C_4C_5R_4R_5\right) + s\left(C_2C_3R_4R_5 + C_2C_3C_4R_4R_5 + C_2C_3C_4R_4R_5 + C_2C_4C_5R_4R_5\right) + s\left(C_2C_3R_4R_5 + C_2C_3C_4R_4R_5 + C_2C_3C_4R_5R_5 + C_2C_4C_5R_4R_5\right) + s\left(C_2C_3R_4R_5 + C_2C_4R_5R_5 + C_2C_4C_5R_5R_5\right) + s\left(C_2C_3R_4R_5 + C_2C_4R_5R_5 + C_2C_4C_5R_5R_5\right) + s\left(C_2C_3R_4R_5 + C_2C_4R_5R_5 + C_2C_4C_5R_5R_5\right) + s\left(C_2C_3R_5R_5 + C_2C_4R_5R_5 + C_2C_4C_5R_5R_5\right) + s\left(C_2C_3R_5R_5 + C_2C_4R_5R_5 + C_2C_4C_5R_5R_5\right) + s\left(C_2C_3R_5R_5 + C_2C_4R_5R_5\right) + s\left(C_2C_3R_5R_5 + C_2C_4R_5\right) + s\left(C_2C_3R_5R_5 +$

9.388 X-INVALID-ORDER-388 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_2C_3C_4C_5C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_5 + C_2C_3C_5C_6R_1R_5 + C_2C_4C_5C_6R_2R_4 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_4R_5 + C_3C_4C_5C_6R_4R_5 + s\left(C_2C_3C_4C_5R_4R_5 + C_3C_4C_5C_6R_4R_5 + C_3C_4C_5C_6R_4R$

9.389 X-INVALID-ORDER-389 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1 + s^2\left(C_2C_3C_4C_5R_1R_2R_4 + C_2C_3C_5C_6R_1R_2R_6 + C_3C_4C_5C_6R_1R_4R_6\right) + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4 + C_3C_4C_5R_1R_4 + C_3C_4C_5R_1R_4 + C_3C_4C_5C_6R_1R_4R_5\right) + s\left(C_2C_3C_4C_5R_1R_4R_5 + C_2C_3C_5C_6R_1R_4 + C_2C_3C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5R_1R_4 + C_2C_3C_5C_6R_1R_4 + C_2C_3C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5R_4R_5 + C_2C_3C_5C_6R_1R_4 + C_2C_3C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5R_4R_5 + C_2C_3C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5R_4R_5 + C_2C_3C_5C_6R_4R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5C_6R_4R_5 + C_2C_4C_5C_6R_4R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5C_6R_4R_5 + C_2C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_4C_5C_6R_4R_5\right) + s\left(C_2C_3C_5C_6R_4R_5\right) + s\left(C_2C_3C_5C_6R_$

9.390 X-INVALID-ORDER-390 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_2 + C_3 + C_4 - C_5 + s^4 \left(C_2 C_3 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 R_2 R_4 R_5 + C_2 C_3 C_4 C_5 R_1 R_4 R_5 + C_2 C_3 C_4 C_5 R_2 R_4 R_5 + C_2 C_3 C_4 C_6 R_1 R_4 R_6 + C_2 C_3 C_5 C_6 R_1 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_4 R_6 + C_2 C_4 C_5 C_6 R_2 R_4 R_6 + C_2 C_3 C_4 C_5 R_2 R_4 R_6 + C_2 C_3 C_5 C_6 R_2 R_4 R_6 + C_2 C_5 C_6 R_2 R_4 R_6 + C_2$

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9.391 X-INVALID-ORDER-391 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)
H(s) = \frac{C_2 C_3 C_4 C_5 R_1 R_2 R_4 R_5 R_6 s^4 + C_3 R_1 R_6 s + s^3 (C_2 C_3 C_4 R_1 R_2 R_4 R_6 + C_2 C_3 C_5 R_1 R_2 R_5 R_6 + C_3 C_4 C_5 R_1 R_4 R_5 R_6) + s^2 (C_2 C_3 R_1 R_2 R_6 + C_3 C_4 R_1 R_4 R_6 + C_3 C_5 R_1 R_5 R_6)}{s^3 (C_2 C_3 C_4 R_1 R_4 R_5 + C_2 C_3 C_5 R_2 R_4 R_5) + s^2 (C_2 C_3 R_1 R_5 + C_2 C_3 R_2 R_5 + C_2 C_4 R_2 R_5 + C_2 C_4 R_2 R_5 + C_2 C_4 R_4 R_5 - C_2 C_5 R_2 R_5 + C_3 C_4 R_4 R_5 - C_4 C_5 R_4 R_5) + s (-C_2 R_2 + C_2 R_5 + C_3 R_5 - C_4 R_4 + C_4 R_5 - C_5 R_5) - 1}
9.392 X-INVALID-ORDER-392 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2 C_3 C_4 C_5 R_1 R_2 R_4 R_5 s^3 + C_3 R_1 + s^2 (C_2 C_3 C_4 R_1 R_2 R_4 + C_2 C_3 C_5 R_1 R_2 R_5 + C_3 C_4 C_5 R_1 R_4 R_5) + s (C_2 C_3 R_1 R_4 + C_3 C_5 R_1 R_5 + C_3 C_4 R_5 R_5 + C_3 C_
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9.393 X-INVALID-ORDER-393 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_2R_4R_6 + C_2C_3C_5C_6R_1R_2R_5R_6 + C_3C_4C_5R_1R_4R_5R_6\right) + s^2\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_5R_1R_2R_5 + C_2C_3C_6R_1R_2R_6 + C_3C_4C_5R_1R_4R_5 + C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_4R_5 + C_3C_4C_6R_4R$

9.394 X-INVALID-ORDER-394 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_5R_6s^4 + C_3R_1R_6s + s^3\left(C_2C_3C_4R_1R_2R_4R_5R_6s^4 + C_3R_1R_6s + s^3\left(C_2C_3C_4R_1R_2R_4R_5R_6s^4 + C_3R_4R_5R_6s^4 + C_3R_4R_5R_6s^4$

9.395 X-INVALID-ORDER-395 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_2C_4C_6R_2R_4R_5R_6 + C_2C_4R_2R_4R_5 + C_2C_4R_2R_4R_5 + C_2C_4R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_4R_5R_6 + C_2C_6R_4R_5R_6$

9.396 X-INVALID-ORDER-396 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 + C_2C_4R_2R_4 - C_2C_5R_2R_4\right) + s\left(C_2R_2 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4\right) + 1}$$

9.397 X-INVALID-ORDER-397 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + C_2C_4C_6R_2R_4 - C_2C_5C_6R_2R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$$

9.398 X-INVALID-ORDER-398 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_6R_1R_4R_6 + C_2C_3C_6R_2R_4R_6 + C_2C_4C_6R_2R_4R_6 - C_2C_5C_6R_2R_4R_6\right) + s^2\left(C_2C_3R_1R_4 + C_2C_4R_2R_4 - C_2C_5R_2R_4 + C_2C_6R_4R_6 + C_3C_6R_4R_6 + C_3C_6R_4R_6 + C_3C_6R_4R_6\right) + s\left(C_2R_2 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4 + C_4R_4 - C_4R_4 + C_4R_4 + C_4R_4 - C_4R_4 + C_4R_4 +$

9.399 X-INVALID-ORDER-399 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_5R_1R_4R_5 + C_2C_3C_5R_2R_4R_5 + C_2C_4C_5R_2R_4R_5\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 + C_2C_5R_2R_4 + C_2C_5R_2R_5 + C_2C_5R_4R_5 + C_4C_5R_4R_5\right) + s\left(C_2R_2 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4 + C_5R_5\right) + 1}$$

9.400 X-INVALID-ORDER-400 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s}{C_6 + s^3\left(C_2C_3C_5C_6R_2R_4R_5 + C_2C_3C_5C_6R_2R_4R_5 + c_2C_5C_6R_2R_4 + C_2C_5C_6R_4R_5 + C_2C_5C_6R_$$

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9.401 X-INVALID-ORDER-401 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_2R_4 + C_2C_4C_5C_6R_2R_4 + C_2C_3C_6R_2R_4 + C_2C_5C_6R_2R_4 + C_2C_5C_6R_2R_5 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5 + C_3C_5C_6R
9.402 X-INVALID-ORDER-402 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_{1}}{s^{4} \left(C_{2} C_{3} C_{5} C_{6} R_{1} R_{4} R_{5} R_{6} + C_{2} C_{3} C_{5} C_{6} R_{2} R_{4} R_{5} R_{6} + C_{2} C_{3} C_{5} R_{1} R_{4} R_{5} + C_{2} C_{3} C_{5} R_{2} R_{4} R_{5} + C_{2} C_{3} C_{5} R_
9.403 X-INVALID-ORDER-403 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                      H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_4R_2R_4R_5 - C_2C_5R_2R_4R_5\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 + C_3R_4R_5 + C_4R_4R_5 - C_5R_4R_5\right)}
9.404 X-INVALID-ORDER-404 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                         H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_4R_5R_6\right) + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_5C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.405 X-INVALID-ORDER-405 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-R_4 + R_5 + s^3\left(C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 - C_2C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_4R_5 + C_2C_4R_2R_4R_5 - C_2C_5R_2R_4R_5 - C_2C_5R_2R_4R_5 - C_2C_6R_2R_4R_5R_6 + C_2C_6R_2R_4R_5R_6 + C_3C_6R_4R_5R_6 + C_
9.406 X-INVALID-ORDER-406 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_2C_3C_6R_1R_4R_5R_6 - C_2C_3C_6R_2R_3R_4R_6 + C_2C_3C_6R_2R_3R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_5 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_5 + C_2C_3R_2R_4R_5 + C_2C
9.407 X-INVALID-ORDER-407 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{-C_2C_3C_5R_2R_3R_4s^3 + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_3 + C_2C_3R_2R_4 + C_2C_3R_3R_4 - C_2C_5R_2R_4 - C_3C_5R_3R_4\right) + s\left(C_2R_2 + C_2R_4 + C_3R_3 + C_3R_4 - C_5R_4\right) + 1}
9.408 X-INVALID-ORDER-408 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                 H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s}{-C_2C_3C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_3 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_3R_4 - C_2C_5C_6R_2R_4 - C_3C_5C_6R_3R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 - C_5C_6R_4\right)}
9.409 X-INVALID-ORDER-409 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                 H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{-C_2C_3C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_3R_4 - C_2C_5C_6R_2R_4 - C_3C_5C_6R_3R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 - C_5C_6R_4\right)}
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9.410 X-INVALID-ORDER-410 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{-C_2C_3C_5C_6R_2R_3R_4R_6s^4 + s^3\left(-C_2C_3C_5R_2R_3R_4 + C_2C_3C_6R_2R_3R_6 + C_2C_3C_6R_2R_4R_6 + C_2C_3C_6R_2R_4R_6 - C_3C_5C_6R_2R_4R_6 - C_3C_5C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_3 + C_2C_3R_3R_4 + C_2$

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9.411 X-INVALID-ORDER-411 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_5R_1R_4R_5 - C_2C_3C_5R_2R_3R_4 + C_2C_3C_5R_2R_3R_5 + C_2C_3C_5R_2R_4R_5 + C_2C_3C_5R_3R_4 + C_2C_3R_2R_4 + C_2C_3R_2R_4 + C_2C_5R_2R_5 + C_2C_5R_4R_5 - C_3C_5R_3R_4 + C_3C_5R_3R_5 + C_3C_5R_4R_5 \right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 + C_2C_3R_2R_4 + C_2C_5R_2R_5 + C_2C_5R_4R_5 - C_3C_5R_3R_4 + C_3C_5R_3R_5 + C_3C_5R_4R_5 \right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 + C_2C_5R_2R_4 + C_2C_5R_2R_5 + C_2C_5R_4R_5 - C_3C_5R_3R_4 + C_3C_5R_3R_5 + C_3C_5R_4R_5 \right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_4 + C_2C_5R_2R_4 + C_2C_5R_2R_5 + C_2C_5R_3R_4 + C_3C_5R_3R_4 + C_3C_5R_3R_4
9.412 X-INVALID-ORDER-412 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s}{C_6 + s^3\left(C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_5C_6R_2R_3R_5 + C_2C_3C_5C_6R_2R_4R_5 + C_2C_3C_5C_6R_2R_4 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_4R_4 +
9.413 X-INVALID-ORDER-413 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_4R_5 - C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_5C_6R_2R_4R_5 + C_2C_3C_5C_6R_2R_4R_5 + C_2C_3C_5C_6R_2R_4 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_4 + C_2C_3C_6R_4 + C_2C_3C_6R_4 + C_2C_3C_6R_4 + C_2C_3C_6R_4 + C_2C_3C_6R_4 + C_2C_3C_5C_6R_4 + C_2C_3C_5C_6R_4 + C_2C_3C
9.414 X-INVALID-ORDER-414 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.415 X-INVALID-ORDER-415 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                         H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-C_2C_3C_5R_2R_3R_4R_5s^3 - R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 - C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_4R_5 + C_2C_3R_2R_4R_5 - C_2C_5R_2R_4R_5 - C_3C_5R_2R_4R_5\right) + s\left(-C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 - C_3R_3R_4 + C_3R_3R_5 + C_3R_4R_5 - C_5R_4R_5\right)}
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9.416 X-INVALID-ORDER-416 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5\right)}{-C_2C_3C_5C_6R_2R_3R_4R_5s^3 - C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 - C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 - C_2C_5C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6$

9.417 X-INVALID-ORDER-417 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_6R_1R_4R_5R_6\right) + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_2C_3C_5C_6R_2R_3R_4R_5s^3 - C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 - C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 - C_3C_5C_6R_3R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_4 + C_2C_6R_4R_4 + C_$

9.418 X-INVALID-ORDER-418 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.419 X-INVALID-ORDER-419 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s}{C_2C_3C_4R_2R_3R_5s^3 + s^2\left(C_2C_3R_1R_5 - C_2C_3R_2R_3 + C_2C_3R_2R_5 + C_2C_3R_3R_5 + C_2C_4R_2R_5 + C_3C_4R_3R_5\right) + s\left(-C_2R_2 + C_2R_5 - C_3R_3 + C_3R_5 + C_4R_5\right) - 1}$

9.420 X-INVALID-ORDER-420 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3R_1R_2s + C_3R_1}{C_2C_3C_4C_6R_2R_3R_5s^3 - C_6 + s^2\left(C_2C_3C_6R_1R_5 - C_2C_3C_6R_2R_3 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_3R_5 + C_2C_4C_6R_2R_5 + C_3C_4C_6R_3R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_4C_6R_5\right)}{c_2C_3C_4C_6R_2R_5s^3 - C_6 + s^2\left(C_2C_3C_6R_1R_5 - C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_4C_6R_2R_5 + C_2C_4C_6R_3R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_4C_6R_5\right)}$

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9.421 X-INVALID-ORDER-421 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                  H(s) = \frac{C_2C_3C_6R_1R_2R_6s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_6R_1R_6\right)}{C_2C_3C_4C_6R_2R_3R_5s^3 - C_6 + s^2\left(C_2C_3C_6R_1R_5 - C_2C_3C_6R_2R_3 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_3R_5 + C_2C_4C_6R_2R_5 + C_3C_4C_6R_3R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_4C_6R_5\right)}
9.422 X-INVALID-ORDER-422 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s}{C_2C_3C_4C_6R_2R_3R_5R_6s^4 + s^3\left(C_2C_3C_4R_2R_3R_5 + C_2C_3C_6R_2R_3R_6 + C_2C_3C_6R_2R_3R_6 + C_2C_3C_6R_2R_5R_6 + C_2C_4C_6R_2R_5R_6 + C_2C_4C_6R_2R_5R_6 + C_2C_3C_6R_2R_3R_5 + C_2C_3R_2R_3 + C_2C_3R_3R_3 + C_2C_
9.423 X-INVALID-ORDER-423 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 + C_5 + s^3\left(C_2C_3C_4C_6R_2R_3R_6 - C_2C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_2C_3C_4R_2R_3 - C_2C_3C_5R_2R_3 + C_2C_3C_6R_1R_6 + C_2C_3C_6R_2R_6 + C_2C_3C_6R_2R_6 + C_3C_4C_6R_3R_6 - C_3C_5C_6R_3R_6\right) + s\left(C_2C_3R_1 + C_2C_3R_3 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_3C_5C_6R_3R_6 + C_3C_5C_6R_3R_6\right) + s\left(C_2C_3R_1 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_3C_5C_6R_3R_6\right) + s\left(C_2C_3R_1 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_3C_5C_6R_3R_6\right) + s\left(C_2C_3R_1 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6\right) + s\left(C_2C_3R_1 + C_2C_3C_6R_3R_6 + C_2C_3C_6R_3R_6\right) + s\left(C_2C_3R_1 + C_2C_3C_6R_3R_6\right) + s\left(C_2C_3R_3R_6\right) 
9.424 X-INVALID-ORDER-424 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2C_3C_4C_5R_2R_3R_5s^3 + C_2 + C_3 + C_4 - C_5 + s^2\left(C_2C_3C_4R_2R_3 + C_2C_3C_5R_2R_3 + C_2C_3C_5R_2R_5 + C_2C_3C_5R_3R_5 + C_2C_4C_5R_2R_5 + C_2C_3R_3 + C_2C_3R_3 + C_2C_4R_2 - C_2C_5R_2 + C_2C_5R_5 + C_3C_4R_3 - C_3C_5R_3 + C_2C_3C_5R_3 + C_2C_3C_5R_
9.425 X-INVALID-ORDER-425 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5R_1R_2s + C_3C_5R_1}{C_2C_3C_4C_5C_6R_2R_3R_5s^3 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_2R_3 + C_2C_3C_5C_6R_2R_3 + C_2C_3C_5C_6R_2R_5 + C_2C_3C_5C_6R_2R_5 + C_2C_3C_5C_6R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_3C_6R_3 + C_2C_4C_6R_2 + C_2C_3C_6R_3 + C_2C_3C_6
9.426 X-INVALID-ORDER-426 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6\right)}{C_2C_3C_4C_5C_6R_2R_3R_5s^3 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_2R_3 + C_2C_3C_5C_6R_2R_3 + C_2C_3C_5C_6R_2R_5 + C_2C_3C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5 + C_3C_4C_5C_6R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_3C_6R_3 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_3C_6R_3 + C_2C_4C_5C_6R_2R_5 + C_2C_4C_5C_6R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_2C_4C_6R_3 + C_2C_4C_5C_6R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_2C_4C_6R_3R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_2C_4C_6R_3\right) + s\left(C_2C_3C_6R_3 + C_2C_4C_6R_3\right) +
9.427 X-INVALID-ORDER-427 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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9.428 X-INVALID-ORDER-428 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_5R_1R_5R_6\right)}{s^3\left(C_2C_3C_4R_2R_3R_5 - C_2C_3C_5R_2R_3R_5\right) + s^2\left(C_2C_3R_1R_5 - C_2C_3R_2R_3 + C_2C_3R_2R_5 + C_2C_4R_2R_5 - C_2C_5R_2R_5 + C_3C_4R_3R_5 - C_3C_5R_3R_5\right) + s\left(-C_2R_2 + C_2R_5 - C_3R_3 + C_3R_5 + C_4R_5 - C_5R_5\right) - 1}$

9.429 X-INVALID-ORDER-429 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_5s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_5R_1R_5\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_5 - C_2C_3C_5C_6R_2R_3 + C_2C_3C_6R_2R_3 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_3R_5 + C_2C_3C_6R_3R_5 + C_2C_3C_6R_3R_5 + C_2C_3C_6R_3R_5 + C_2C_3C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6$

9.430 X-INVALID-ORDER-430 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_1 + s^2\left(C_2C_3C_5R_1R_2R_5 + C_2C_3C_6R_1R_2R_6 + C_3C_5C_6R_1R_5R_6\right) + s\left(C_2C_3R_1R_2 + C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_5 - C_2C_3C_6R_2R_3R_5\right) + s^2\left(C_2C_3C_6R_1R_5 - C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_3R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_3R_5\right) + s\left(-C_2C_6R_5 + C_3C_6R_3R_5 - C_3C_6R_3R_5 + C_3C_6R_3R_5\right) + s\left(-C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C$

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9.431 X-INVALID-ORDER-431 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2}{s^4\left(C_2C_3C_4C_6R_2R_3R_5R_6 - C_2C_3C_5C_6R_2R_3R_5R_6 - C_2C_3C_5R_2R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_3C_5R_3R_5 +$

9.432 X-INVALID-ORDER-432 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_4R_1R_4R_6\right)}{s^3\left(C_2C_3C_4R_1R_4R_5 - C_2C_3C_4R_2R_3R_4 + C_2C_3C_4R_2R_3R_5 + C_2C_3R_4R_3R_4 + C_2C_3R_2R_5 + C_2C_3R_2R_5 + C_2C_3R_2R_5 + C_2C_4R_2R_4 + C_2C_4R_2R_5 + C_2C_4R_2R_4 + C_3C_4R_3R_4 + C_3C_4R_3R_5 + C_3C_4R_3R_5 + C_3C_4R_3R_4 + C_3C_4R_3R_5 + C_3C_4R$

9.433 X-INVALID-ORDER-433 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $C_2C_3C_4R_1R_2R_4s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_4R_1R_4\right)$ $H(s) = \frac{C_2C_3C_4R_1R_2R_4s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_4R_1R_4\right)}{-C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_4 + C_2C_3C_4C_6R_2R_3R_5 + C_2C_3C_4C_6R_2R_4R_5 + C_2C_3C_6R_2R_3 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_3R_5 - C_2C_4C_6R_2R_4 + C_2C_4C_6R_4R_4 + C_2C_4C_6R_4$

9.434 X-INVALID-ORDER-434 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

9.435 X-INVALID-ORDER-435 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^4 \left(C_2 C_3 C_4 C_6 R_1 R_4 R_5 R_6 - C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_2 C_3 C_4 C_6 R_2 R_3 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 R_2 R_3 R_4 + C_2 C_3 C_4 R_2 R_3 R_5 + C_2 C_3 C_4 R_2 R_4 R_5 + C_2 C_3 C_4 R_4 R_5 R_5 + C_2 C_3 C_4 R_5 R_5 + C_2 C_3$

9.436 X-INVALID-ORDER-436 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6 + s^2\left(C_2C_3C_5R_1R_2R_6 + C_3C_4C_5R_1R_4R_6\right)}{-C_2C_3C_4C_5R_2R_3R_4s^3 + C_2 + C_3 + C_4 + C_5 + s^2\left(C_2C_3C_4R_1R_4 + C_2C_3C_4R_2R_4 + C_2C_3C_4R_3R_4 - C_2C_3C_5R_2R_3 - C_2C_4C_5R_2R_4 + C_3C_4C_5R_3R_4\right) + s\left(C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_4 + C_2C_5R_2 + C_3C_4R_3 + C_2C_4R_4 - C_2C_5R_4 + C_3C_4R_4 + C_2C_3C_4R_3R_4 - C_2C_3C_4R_3R_4 -$

9.437 X-INVALID-ORDER-437 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_2C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1 + s(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4)$

9.438 X-INVALID-ORDER-438 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_4 + C_2C_3C_5C_6R_1R_2R_4 + C_2C_3C_5C_6R_1R_4R_6) + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_6\right)}{-C_2C_3C_4C_5C_6R_2R_3R_4s^3 + C_2C_6C_6R_2R_3 + C_2C_3C_4C_6R_2R_4 + C_2C_3C_4C_6R_2R_4 + C_2C_3C_4C_6R_2R_4 - C_2C_3C_4C_5C_6R_2R_4 - C_3C_4C_5C_6R_3R_4\right) + s\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_1R_4 + C_2C_3C_4C_6R_2R_4 + C_2C_3C_4C_6R_2R_4 - C_2C_3C_4C_5C_6R_2R_4 - C_3C_4C_5C_6R_3R_4\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_3C_6R_3 + C_2C_4C_5C_6R_3R_4\right) + s\left(C_2C_3C_4C_5R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_5R_3R_4\right) + s\left(C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4\right) + s\left(C_2C_3C_4C_5R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4\right) + s\left(C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4\right) + s\left(C_2C_3C_4C_6R_3R_4\right) + s\left(C_2C_3C_4$

9.439 X-INVALID-ORDER-439 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.440 X-INVALID-ORDER-440 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_6s + s$ $H(s) = \frac{C_2 C_3 C_4 C_5 R_1 R_4 C_5 C_3 C_4 C_5 R_1 R_4 R_5 - C_2 C_3 C_4 C_5 R_2 R_3 R_4 + C_2 C_3 C_4 C_5 R_2 R_3 R_5 + C_2 C_3 C_4 C_5 R_2 R_4 R_5 + C_2 C_3 C_4 R_2 R_4 R_5 + C$

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9.441 X-INVALID-ORDER-441 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3(C_2C_3C_4C_5C_6R_1R_4R_5 - C_2C_3C_4C_5C_6R_2R_3R_4 + C_2C_3C_4C_5C_6R_2R_3R_5 + C_2C_3C_4C_5C_6R_2R_4R_5 + C_2C_3C_4C_5C_6R_2R_4R_5 + C_2C_3C_4C_6R_2R_4 + C_2C_3C_4C_6R_4 +$

9.442 X-INVALID-ORDER-442
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

 $C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_6$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_2C_3C_4C_5C_6R_2R_3R_4 + C_2C_3C_4C_5C_6R_2R_3R_5 + C_2C_3C_4C_5C_6R_2R_3R_5 + C_2C_3C_4C_5C_6R_2R_4R_5 + C_2C_3C_4C_5C_6R_4R_5 + C_2C_3C_4C_5C_6R_4R_5 + C_2C_3C_4C_5C_6R_4R_5 + C_2C_3C$

9.443 X-INVALID-ORDER-443 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.444 X-INVALID-ORDER-444 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $\frac{C_2C_3C_4C_5R_1R_2R_4R_5R_6s^4 + C_3R_1R_6s + s^3\left(C_2C_3C_4R_1R_2R_4R_6 + C_2C_3C_5R_1R_2R_5R_6 + C_3C_4C_5R_1R_4R_5R_6\right) + s^2\left(C_2C_3C_4C_5R_2R_3R_4R_5s^4 + s^3\left(C_2C_3C_4R_1R_4R_5 - C_2C_3C_4R_2R_3R_4 + C_2C_3C_4R_2R_3R_5 + C_2C_3C_$

9.445 X-INVALID-ORDER-445 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $C_2C_3C_4C_5R_1R_2R_4R_5s^3 + C_3R_1 + s^2(C_2C_3C_4R_1R_2R_4 + C_2C_3C_5R_1R_2$ $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_5s^3 + C_3R_1 + s^2\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_5R_1R_2\right)}{-C_2C_3C_4C_5C_6R_2R_3R_4R_5s^4 - C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_4 + C_2C_3C_4C_6R_2R_3R_5 + C_2C_3C_4C_6R_2R_3R_5 - C_2C_4C_5C_6R_2R_3R_5 - C_2C_4C_5C_6R_2R_4R_5 - C_3C_4C_5C_6R_2R_4R_5 - C_2C_3C_4C_6R_2R_4R_5 - C_2C_3C_4C$

9.446 X-INVALID-ORDER-446 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_2R_4R_6 + C_2C_3C_5C_6R_1R_2R_5R_6 + C_3C_4C_5C_6R_1R_4R_5R_6\right) + s^2\left(C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4C_6R_2R_3R_4R_5 - C_2C_3C_4C_6R_2R_3R_4R_5 - C_2C_3C_4C_6R_2R_4R_5 - C_2C_3C_4C_6R_4R_4R_5 - C_2C_3C_4C_6R_4R_4R_5 - C_2C_3C_4C_6R_4R_4R_5 - C_2C_3C_4C_6R_4R$

9.447 X-INVALID-ORDER-447 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.448 X-INVALID-ORDER-448 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{C_2C_3C_4R_2R_3R_4R_5s^3 - R_4 + R_5 + s^2\left(C_2C_3R_1R_4R_5 - C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_5 + C_2C_3R_2R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_4R_2R_4R_5 + C_2C_4R_4R_5 +$

9.449 X-INVALID-ORDER-449 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $C_2C_3R_1R_2R_4s + C_3R_1R_4$

 $H(s) = \frac{C_2C_3R_1R_2R_4s + C_3R_1R_4}{C_2C_3C_4C_6R_2R_3R_4R_5s^3 - C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 - C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_4C_6R_2R_4R_5 + C_2C_4C_6R_2R_4R_5 + C_2C_6R_2R_4 + C_2C_6R_4R_4 + C_2C_6R_4R_$

9.450 X-INVALID-ORDER-450 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6\right)$

 $\frac{C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6\right)}{C_2C_3C_4C_6R_2R_3R_4R_5s^3 - C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 - C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_2R_$

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9.451 X-INVALID-ORDER-451 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{1}{C_2C_3C_4C_6R_2R_3R_4R_5R_6s^4 - R_4 + R_5 + s^3\left(C_2C_3C_4R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_6 + C_2C_3C_6R_2R_3R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_2C_3C_6R_4R_4R_5R_6 + C_2C_3C_6R_4R_5R_5R_5 + C_2C_3C_6R_$

9.452 X-INVALID-ORDER-452 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_2C_3C_4R_2R_3R_4 - C_2C_3C_5R_2R_3R_4\right) + s^2\left(C_2C_3R_1R_4 + C_2C_3R_2R_3 + C_2C_3R_2R_4 + C_2C_4R_2R_4 - C_2C_5R_2R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_2R_2 + C_2R_4 + C_3R_3 + C_4R_4 - C_5R_4\right) + 1}$

9.453 X-INVALID-ORDER-453 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s}{C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_4 - C_2C_3C_5C_6R_2R_3R_4\right) + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_3 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_2R_4 + C_3C_4C_6R_2R_4 - C_2C_5C_6R_2R_4 + C_3C_5C_6R_3R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 +$

9.454 X-INVALID-ORDER-454 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_4 - C_2C_3C_6R_2R_3R_4\right) + s^2\left(C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_2R_4 + C_2C_3C_6R_2R_4 + C_3C_5C_6R_3R_4\right) + s\left(C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 + C_4C_6R_4 - C_5C_6R_4\right)}$

9.455 X-INVALID-ORDER-455 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_2C_3C_5R_2R_3R_4R_6 - C_2C_3C_5R_2R_3R_4R_6 - C_2C_3C_5R_2R_3R_4R_6 - C_2C_3C_5R_2R_3R_4R_6 - C_2C_3C_6R_2R_3R_4R_6 - C_2C_3C_4R_2R_3R_4 - C_2C_3C_3C_4R_2R_3R_4 - C_2C_3C_3C_3R_3R_4 - C_2C_3C_3R_3R_4 - C_2C_3C_3R_3R_4 - C_2C_3C_3R_3R_4 - C_2C_3C_3R_3R_4 - C_2C_3C$

9.456 X-INVALID-ORDER-456 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{C_2C_3C_4C_5R_2R_3R_4R_5s^4 + s^3\left(C_2C_3C_4R_2R_3R_4 + C_2C_3C_5R_2R_3R_4 + C_2C_3C_5R_2R_3R_4 + C_2C_3C_5R_2R_3R_4 + C_2C_3C_5R_2R_3R_4 + C_2C_3C_5R_2R_4R_5 +$

9.457 X-INVALID-ORDER-457 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_2C_3C_5C_6R_2R_3R_4R_5s^4 + C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_4 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_5C_6R_3R_4 + C_2C_3C_5C_6R_$

9.458 X-INVALID-ORDER-458 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2}{C_2C_3C_4C_5C_6R_2R_3R_4R_5s^4 + C_6 + s^3\left(C_2C_3C_4C_6R_2R_3R_4 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_5C_6R_2R_3R_5 + C_2C_3C_5C_6R_2R_4R_5 + C_2C_3C_5C_6R_2R_4R_$

9.459 X-INVALID-ORDER-459 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_2C_3C_4C_5C_6R_2R_3R_4R_5R_6s^5 + s^4\left(C_2C_3C_4C_5R_2R_3R_4R_5 + C_2C_3C_4C_6R_2R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4R_6 + C_2C_3C_5C_6R_2R_4R_5R_6 + C_2C_3C_5C_6R_2R_4R_5R_5 + C_2C_3C_5C_6R_5R_5R_5 + C_2C_3C_5C_6R_5R_5R_5 + C_2C_3C_5C_6R_5R_5R_5 + C_2C_5C_5C_6R_5R_5R_5 + C_2C_5C_5C_5R_5R_5R_5 + C_2C_5C_5C_5R_5R_5 + C_2C_5C_5C_5R_$

9.460 X-INVALID-ORDER-460 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-R_4 + R_5 + s^3\left(C_2C_3C_4R_2R_3R_4R_5 - C_2C_3C_5R_2R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_4R_5 - C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_4R_5 + C_2C_3R_2R_4R_$

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9.461 X-INVALID-ORDER-461 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5\right)}{-C_6R_4 + C_6R_5 + s^3\left(C_2C_3C_4C_6R_2R_3R_4R_5 - C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_4R_5 + C_2C_3C_6R_4R_5 + C_2C_3C_6R_4R_5 + C_2C_3C_6R_4R_5 + C_2C_3C_6R_4R_5 + C_2C_3C_6R_4R_5 + C_2C_3C_6
9.462 X-INVALID-ORDER-462 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_6R_1R_4R_5R_6\right) + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6
9.463 X-INVALID-ORDER-463 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-R_4 + R_5 + s^4 \left(C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 - C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_2 R_5 R_5 R_6 + C_2 C_3 C_6 R_2 R_
9.464 X-INVALID-ORDER-464 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                     H(s) = \frac{C_2C_3R_1R_2R_3R_4s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4\right)}{s^3\left(C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}
9.465 X-INVALID-ORDER-465 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                    H(s) = \frac{C_2C_3C_6R_1R_2R_3R_4R_6s^3 + R_1R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_6R_1R_2R_4R_6 + C_3C_6R_1R_3R_4R_6\right) + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}{s^3\left(C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}
9.466 X-INVALID-ORDER-466 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_2C_3R_1R_2R_3R_4R_6s^2 + R_1R_4R_6 + s(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6)
                                    \frac{C_2C_3R_1R_2R_3R_4R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3\left(C_2C_3C_6R_1R_3R_4R_5R_6 + C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_6R_1R_4R_5R_6 - C_2C_6R_2R_3R_4R_6 + C_2C_6R_2R_3R_4R_5R_6 + C_2C_6R_3R_4R_5R_6 + C_2C_6R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5R_6 + C_2C_6R_3R_4R_5R_6 + C_2C_6R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5R_6\right) + s\left(C_2R_1R_4R_5R_6\right) + s\left(C_2R_1R
9.467 X-INVALID-ORDER-467 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                         H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_4R_6s + s^2\left(C_2C_5R_1R_2R_4R_6 + C_3C_5R_1R_3R_4R_6\right)}{R_3 + R_4 + s^2\left(C_2C_3R_1R_3R_4 + C_2C_3R_2R_3R_4 - C_2C_5R_2R_3R_4\right) + s\left(C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 + C_3R_3R_4 - C_5R_3R_4\right)}
9.468 X-INVALID-ORDER-468 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                           H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_3R_4R_6\right) + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_3C_6R_2R_3R_4 - C_2C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 - C_5C_6R_3R_4\right)}
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9.469 X-INVALID-ORDER-469 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_4R_6s + s^2\left(C_2C_5R_1R_2R_4R_6 + C_3C_5R_1R_3R_4R_6\right)}{R_3 + R_4 + s^3\left(C_2C_3C_6R_1R_3R_4R_6 + C_2C_5C_6R_2R_3R_4R_6 - C_2C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_2C_3R_1R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_6R_1R_4R_6 + C_2C_6R_2R_4R_6 + C_2C_6R_3R_4R_6 + C_3C_6R_3R_4R_6 - C_5C_6R_3R_4R_6\right) + s\left(C_2R_1R_4 + C_2R_2R_3R_4R_6 + C_2C_6R_2R_4R_6 + C_2C_6R_3R_4R_6 + C_2C_6R_3R_4R_6 + C_3C_6R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_1R_4 + C_2R_3R_3R_4 + C_2C_6R_3R_4R_6 + C_2C_6R_3R_4R_6 + C_3C_6R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_1R_4 + C_2R_3R_3R_4 + C_2C_6R_3R_4R_6 + C_2C_6R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_3R_4R_6 + C_3C_6R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_3R_4R_6\right) + s\left(C_2R_3R_4R_$

9.470 X-INVALID-ORDER-470 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

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

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9.471 X-INVALID-ORDER-471 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4\right)}{C_6R_3 + C_6R_4 + s^3\left(C_2C_3C_5C_6R_1R_3R_4R_5 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_5C_6R_1R_4R_5 + C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R
9.472 X-INVALID-ORDER-472 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_3R_4R_6\right) + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^3\left(C_2C_3C_5C_6R_1R_3R_4R_5 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_3
9.473 X-INVALID-ORDER-473 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{R_3 + R_4 + s^4 \left( C_2 C_3 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 \right) + s^3 \left( C_2 C_3 C_5 R_1 R_3 R_4 R_5 + C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_1 R_3 R_4 R_6 + C_2 C_5 C_6 R_1 R_4 R_5 R_6 + C_2 C_5 C_6 R_2 R_3 R_4 R_5 + C_2 C_5 C_6 R_2 R_3 R_5 + C_2 C_5 C_6 R_2 R_5 R_5 + C_2 C_5 C_6 R_2 R_5 R_5 + C_2 C_5 C_6 R_5 R_5 + C_2 C_5 C_6 R_5 R_5 + C_2 C
9.474 X-INVALID-ORDER-474 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                          H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_6 + s^2\left(C_2C_3R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_4R_5R_6 + C_3C_5R_1R_3R_4R_5R_6\right) + s\left(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 - C_2C_5R_2R_3R_4R_5\right) + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 - C_5R_3R_4R_5\right)}
9.475 X-INVALID-ORDER-475 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                   H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_5s^3 + R_1R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_5R_1R_2R_4R_5 + C_3C_5R_1R_3R_4R_5\right) + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4 + C_5R_1R_4R_5\right)}{s^3\left(C_2C_3C_6R_1R_3R_4R_5 + C_2C_5C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_4 + C_2C_6R_3R_4R_5 + C_2C_6
9.476 X-INVALID-ORDER-476 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_4 + s^3\left(C_2C_3C_5R_1R_2R_3R_4R_5 + C_2C_3C_6R_1R_2R_3R_4R_6 + C_2C_5C_6R_1R_2R_4R_5R_6 + C_3C_5C_6R_1R_2R_4R_5 + C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_4R_4R_5 + C_2C_6R_4R_4R_5 + C_2C_6R_4R_4R_5 + C_2C_6R_4R_4R_5 + C_
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9.477 X-INVALID-ORDER-477
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_6 + s^2\left(C_2C_3R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_4R_5R_6 + C_3C_5R_1R_3R_4R_5R_6\right) + s\left(C_2R_3R_4R_5R_6 + C_2C_3R_3R_4R_5 +$

9.478 X-INVALID-ORDER-478
$$Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3R_1R_2R_3s^2 + R_1 + s\left(C_2R_1R_2 + C_3R_1R_3\right)}{s^3\left(C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_5\right) + s^2\left(C_2C_6R_1R_5 - C_2C_6R_2R_3 + C_2C_6R_2R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$$

9.479 X-INVALID-ORDER-479
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3C_6R_1R_2R_3R_6s^3 + R_1 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_6R_1R_2R_6 + C_3C_6R_1R_3R_6\right) + s\left(C_2R_1R_2 + C_3R_1R_3 + C_6R_1R_6\right)}{s^3\left(C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_5\right) + s^2\left(C_2C_6R_1R_5 - C_2C_6R_2R_3 + C_2C_6R_2R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$$

9.480 X-INVALID-ORDER-480
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

9.481 X-INVALID-ORDER-481
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_2 C_3 C_5 R_1 R_2 R_3 R_6 s^3 + C_5 R_1 R_6 s + s^2 \left(C_2 C_5 R_1 R_2 R_6 + C_3 C_5 R_1 R_3 R_6\right)}{s^2 \left(C_2 C_3 R_1 R_3 + C_2 C_3 R_2 R_3 + C_2 C_4 R_2 R_3 - C_2 C_5 R_2 R_3\right) + s \left(C_2 R_1 + C_2 R_2 + C_2 R_3 + C_3 R_3 + C_4 R_3 - C_5 R_3\right) + 1}$$

$$\textbf{9.482} \quad \textbf{X-INVALID-ORDER-482} \ Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_6 s^3 + C_5 R_1 + s^2 \left(C_2 C_3 C_5 R_1 R_2 R_3 + C_2 C_5 C_6 R_1 R_2 R_6 + C_3 C_5 C_6 R_1 R_3 R_6\right) + s \left(C_2 C_5 R_1 R_2 + C_3 C_5 R_1 R_3 + C_5 C_6 R_1 R_6\right) }{C_6 + s^2 \left(C_2 C_3 C_6 R_1 R_3 + C_2 C_3 C_6 R_2 R_3 + C_2 C_4 C_6 R_2 R_3 - C_2 C_5 C_6 R_2 R_3\right) + s \left(C_2 C_6 R_1 + C_2 C_6 R_2 + C_2 C_6 R_3 + C_3 C_6 R_3 + C_4 C_6 R_3 - C_5 C_6 R_3\right) }$$

9.483 X-INVALID-ORDER-483 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_3R_6s^3 + C_5R_1R_2R_6s + s^2\left(C_2C_5R_1R_2R_6 + C_3C_5R_1R_3R_6\right)}{s^3\left(C_2C_3C_6R_1R_3R_6 + C_2C_3C_6R_2R_3R_6 + C_2C_4C_6R_2R_3R_6 - C_2C_5C_6R_2R_3R_6\right) + s^2\left(C_2C_3R_1R_3 + C_2C_3R_2R_3 + C_2C_4R_2R_3 - C_2C_5R_2R_3 + C_2C_6R_2R_6 + C_2C_6R_3R_6 + C_3C_6R_3R_6 + C_4C_6R_3R_6 - C_5C_6R_3R_6\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_3R_3 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6\right) + s\left(C_2R_1 + C_2R_3 + C_3C_6R_3R_6 + C_3C_6R_3R_6\right) + s\left(C_2R_1 + C_2R_3 + C_3C_6R_3R_6 + C_3C_6R_3R_6\right) + s\left(C_3R_3R_6 + C_3C_6R_3R_6 + C_3C_6R_3R_6\right) + s\left(C_3R_3R_6 + C_3C_6R_3R_6 + C_3C_6$$

9.484 X-INVALID-ORDER-484 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_3R_6s^3 + C_5R_1R_6s + s^2\left(C_2C_5R_1R_2R_6 + C_3C_5R_1R_3R_6\right)}{s^3\left(C_2C_3C_5R_1R_3R_5 + C_2C_3C_5R_2R_3R_5 + C_2C_4C_5R_2R_3R_5\right) + s^2\left(C_2C_3R_1R_3 + C_2C_3R_2R_3 + C_2C_5R_2R_3 + C_2C_5R_2R_5 + C_2C_5R_3R_5 + C_3C_5R_3R_5 + C_4C_5R_3R_5\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3 + C_5R_5\right) + 1}$$

9.485 X-INVALID-ORDER-485 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_3s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_3C_5R_1R_3\right)}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_3R_5 + C_2C_3C_5C_6R_2R_3R_5 + C_2C_4C_5C_6R_2R_3R_5\right) + s^2\left(C_2C_3C_6R_1R_3 + C_2C_3C_6R_2R_3 + C_2C_5C_6R_1R_5 - C_2C_5C_6R_2R_5 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_4C_5C_6R_3R_5\right) + s\left(C_2C_6R_1R_3 + C_2C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_3R_5 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_5C_6R_1R_3 + C_3C_5C_6R_2R_3 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_6R_1R_3 + C_3C_3C_6R_2R_3 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C$$

9.486 X-INVALID-ORDER-486 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_6s^3 + C_5R_1 + s^2\left(C_2C_3C_5R_1R_2R_3 + C_2C_5C_6R_1R_2R_6 + C_3C_5C_6R_1R_3R_6\right) + s\left(C_2C_5R_1R_2 + C_3C_5R_1R_3 + C_5C_6R_1R_6\right)}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_3R_5 + C_2C_3C_5C_6R_2R_3 + C_2C_3C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_5 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_2C_3R_1R_3 + C_2C_3C_6R_2R_3 + C_2C_3C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_2C_3R_3R_5 + C_2C_3C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_2C_3R_3R_5 + C_2C_3C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_2C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_3C_3C_5C_6R_3R_5 + C_3C_5C_6R_3R_5 + C$$

9.487 X-INVALID-ORDER-487 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{1}{s^4 \left(C_2 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_2 C_3 C_5 R_1 R_3 R_5 + C_2 C_3 C_5 R_2 R_3 R_5 + C_2 C_3 C_6 R_1 R_3 R_6 + C_2 C_4 C_5 R_2 R_3 R_6 + C_2 C_5 C_6 R_2 R_3 R_6 +$$

9.488 X-INVALID-ORDER-488 $Z(s) = \left(R_1, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_3R_5R_6s^3 + R_1R_6 + s^2\left(C_2C_3R_1R_2R_3R_6 + C_2C_5R_1R_2R_5R_6 + C_3C_5R_1R_3R_5R_6\right) + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^2\left(C_2C_3R_1R_3R_5 + C_2C_3R_2R_3R_5 + C_2C_4R_2R_3R_5 - C_2C_5R_2R_3R_5\right) + s\left(C_2R_1R_5 - C_2R_2R_3 + C_2R_2R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5 - C_5R_3R_5\right)}$$

9.489 X-INVALID-ORDER-489 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_3R_5s^3 + R_1 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_5R_1R_2R_5 + C_3C_5R_1R_3R_5\right) + s\left(C_2R_1R_2 + C_3R_1R_3 + C_5R_1R_5\right)}{s^3\left(C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_5 - C_2C_5C_6R_2R_3R_5\right) + s^2\left(C_2C_6R_1R_5 - C_2C_6R_2R_3 + C_2C_6R_2R_3 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5 - C_5C_6R_3R_5\right) + s\left(C_2R_1R_2 + C_3R_1R_3 + C_5R_1R_5\right)}$$

9.490 X-INVALID-ORDER-490 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_5R_6s^4 + R_1 + s^3\left(C_2C_3C_5R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_6 + C_2C_5C_6R_1R_2R_3R_6 + C_3C_5C_6R_1R_3R_5R_6\right) + s^2\left(C_2C_3R_1R_2R_3 + C_2C_5R_1R_2R_5 + C_2C_6R_1R_2R_6 + C_3C_5R_1R_3R_5 + C_3C_6R_1R_3R_6 + C_5C_6R_1R_3R_6 + C_5C_6R_1R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_1R_3R_5$$

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9.491 X-INVALID-ORDER-491 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_5R_6s^3 + R_1R_6 + s^2\left(C_2C_3R_1R_2R_3R_6 + C_2C_5R_1R_2R_5R_6 + C_3C_5R_1R_3R_5R_6\right) + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_6 + C_5R_1R_3R_5R_6\right) + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_5R_6 + C_2C_5R_1R_3R_5R_6\right) + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_5 + C_2C_3R_1R_3R_5 + C_2C_3R_2R_3R_5 + C_2C_4R_2R_3R_5 + C_2C_6R_2R_3R_5 + C_2C_6R_3R_5 + C_2C_6R_$

9.492 X-INVALID-ORDER-492 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3C_4R_1R_2R_3R_4R_6s^3 + R_1R_6 + s^2\left(C_2C_3R_1R_2R_3R_6 + C_2C_4R_1R_2R_4R_6 + C_3C_4R_1R_3R_4R_6\right) + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_6 + C_4R_1R_4R_6\right)}{-R_3 + R_5 + s^3\left(C_2C_3C_4R_1R_3R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_4R_2R_3R_4 + C_2C_4R_2R_4R_4 + C_2C_4R_4R_4R_4 + C_2C_4R_4R_4R_4 + C_2C_4R_4R_4 + C_2C_4R_4R_4R_4 + C_2C_4R_4R_4 + C_2C_4R_4R_4 + C_2C_4R_$

9.493 X-INVALID-ORDER-493 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4R_1R_2R_3R_4s^3 + R_1 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_4R_1R_2R_4 + C_3C_4R_1R_3R_4\right) + s\left(C_2R_1R_2 + C_3R_1R_3 + C_4R_1R_4\right)}{s^4\left(C_2C_3C_4C_6R_1R_3R_4R_5 + C_2C_3C_4C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_4 + C_2C_4C_6R_2R_4R_5 + C_2C_4C_6R_4R_4R_5 + C_2C_4C_6R_4R_4R_5 + C_2C_4C_6R_4R_4R_5 + C_2C_4C_6R_4R_4R_5 + C_2C_4C_6R_4R_4R_5 + C_2C_4C_6R_4R_4R_5$

9.494 X-INVALID-ORDER-494 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_2C_3C_4C_6R_1R_2R_3R_4R_6s^4 + R_1 + s^3\left(C_2C_3C_4R_1R_2R_3R_4 + C_2C_3C_6R_1R_2R_3R_6 + C_2C_4C_6R_1R_2R_4R_6 + C_3C_4R_1R_3R_4 + C_2C_6R_1R_2R_3 + C_2C_4R_1R_2R_4 + C_2C_6R_1R_2R_4 + C_2C_6R_1R_4R_5 + C_2C_4C_6R_2R_4R_5 + C_2C_4C_6$

9.495 X-INVALID-ORDER-495 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{-R_3 + R_5 + s^4 \left(C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_2 C_4 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_2 C_4 C_6 R_2 R_4 R_5 R_6 + C_2 C_4 C_6 R_5 R_5 R_6 +$

9.496 X-INVALID-ORDER-496 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $\frac{C_2C_3C_4C_5R_1R_2R_3R_4R_6s^4 + C_5R_1R_6s + s^3\left(C_2C_3C_5R_1R_2R_3R_6 + C_2C_4C_5R_1R_2R_4R_6 + C_3C_4C_5R_1R_3R_4R_6\right) + s^2\left(C_2C_5R_1R_2R_6 + C_3C_5R_1R_3R_6 + C_4C_5R_1R_4R_6\right)}{s^3\left(C_2C_3C_4R_1R_3R_4 + C_2C_4C_5R_2R_3R_4\right) + s^2\left(C_2C_3R_1R_3 + C_2C_4R_2R_3 + C_2C_4R_2R_4 + C_2C_4R_2R_4 + C_2C_4R_3R_4 - C_4C_5R_3R_4\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_3R_3 + C_4R_3 + C_4R_4 - C_5R_3\right) + 1}{s^3\left(C_2C_3C_4R_1R_3R_4 + C_2C_4C_5R_2R_3R_4\right) + s^2\left(C_2C_3R_1R_3 + C_2C_4R_2R_4 + C_2C_4R_2R_4 + C_2C_4R_3R_4 - C_4C_5R_3R_4\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_3R_3 + C_4R_3 + C_4R_4 - C_5R_3\right) + 1}{s^3\left(C_2C_3C_4R_1R_3R_4 + C_2C_4R_2R_4 + C_2C_4R_2R_4 + C_2C_4R_3R_4 - C_4C_5R_3R_4\right) + s\left(C_2R_1 + C_2R_2 + C_2R_3 + C_3R_3 + C_4R_3 + C_4R_4 + C_4R_3R_4\right) + s\left(C_2R_1 + C_2R_3 + C_4R_3R_4 + C_4R_4 + C$

9.497 X-INVALID-ORDER-497 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_3R_4s^3 + C_5R_1 + s^2\left(C_2C_3C_5R_1R_2R_3 + C_2C_4C_5R_1R_2R_4 + C_3C_4C_5R_1R_3R_4\right) + s\left(C_2C_5R_1R_2 + C_3C_5R_1R_3 + C_4C_5R_1R_4\right)}{C_6 + s^3\left(C_2C_3C_4C_6R_1R_3R_4 + C_2C_4C_6R_2R_3 + C_2C_4$

9.498 X-INVALID-ORDER-498 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_3R_4 + C_2C_3C_6R_1R_2R_3R_4 + C_2C_4C_5R_1R_2R_3R_4 + C_2C_4C_5R_1R_2R_3R_4 + C_2C_4C_5R_1R_2R_3 + C_2C_4C_5R_1R_2R_3 + C_2C_4C_5R_1R_2R_4 + C_2C_5C_6R_1R_2R_4 + C_2C_5C_6R_1R_2R_4 + C_2C_5C_6R_1R_3R_4 + C_3C_5C_6R_1R_3R_4 + C_3C_5C_6R_1R_3R_$

9.499 X-INVALID-ORDER-499 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_2C_3C_4C_5R_1R_2R_3R_4R_6s^4 + C_5R_1R_5$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2}{s^4\left(C_2C_3C_4C_6R_1R_3R_4R_6 + C_2C_3C_4C_5R_2R_3R_4R_6 + C_2C_4C_5R_2R_3R_4R_6 + C_2C_4C_5R_2R_3R_4R_6 + C_2C_4C_5R_2R_3R_4 + C_2C_3C_4R_2R_3R_4 + C_2C_3C_4R_2R_3R_4 + C_2C_3C_4R_2R_3R_4 + C_2C_4C_5R_2R_3R_4 + C_2C_4C_5R_3R_4R_5 + C_2C_4C_5R_5R_5R_5 + C_2C_4C_5R_5R_5 + C_2C_4C_5R_5R_5 + C_2C_4C_5R_5R_5 + C_2C_4C_5R_5R_5 + C_2C_4$

9.500 X-INVALID-ORDER-500 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $\frac{c_2c_3c_4c_5R_1R_3R_4R_5 + c_2c_3c_4c_5R_1R_3R_4R_5 + c_2c_3c_4c_5R_2R_3R_4 + c_2c_3c_5R_1R_3R_4 + c_2c_3c_5R_$

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9.501 X-INVALID-ORDER-501 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_2C_3C_4C_5R_1R_3R_4R_5 + C_2C_3C_4C_5C_6R_1R_3R_4R_5 + C_2C_3C_4C_5C_6R_2R_3R_4 + C_2C_3C_4C_5R_1R_3R_5 + C_2C_3C_5C_6R_1R_3R_5 + C_2C_4C_5C_6R_2R_3R_4 + C_2C_4C_5C_6R_2R_4 + C_2C_4C_5C_6R_2R_4 + C_2C_4C_5C_6R$

9.502 X-INVALID-ORDER-502 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_3R_4 + C_2C_3C_5C_6R_1R_2R_3R_6 + C_2C_4C_5C_6R_1R_2R_3R_4 + C_2C_3C_5C_6R_1R_3R_4 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_4C_5C_6R_2R_3R_4 + C_2C_4C_$

9.503 X-INVALID-ORDER-503 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^5 \left(C_2 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 \right) + s^4 \left(C_2 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_2 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_5 C_6 R_1 R_4 R_5 R_6 - C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_5 R_4 R_5 R_5 + C_2 C_3 C_5 R_5 R_5 R_5 + C_2 C_5 R_5 R_5 R_5 R_5 + C_2 C_5 R_5 R_5 R_5 R_5 + C_2 C_5 R_5 R_5 R_5 + C_2 C_5 R_5 R_5 R_5 R_5 + C_2 C_5 R_5 R_5 R_5 R_5 + C_2 C_5 R_5 R_5 R$

9.504 X-INVALID-ORDER-504 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_3R_4R_5R_6s^4 + R_1R_6 + s^3\left(C_2C_3C_4R_1R_2R_3R_4R_6 + C_2C_4C_5R_1R_2R_3R_5R_6 + C_2C_4C_5R_1R_2R_3R_6 + C_2C_4C_5R_1R_2R_3R_6 + C_2C_4R_1R_2R_4R_6 + C_2C_4R_1R_2R_4R_6 + C_2C_5R_1R_2R_5R_6 + C_3C_4R_1R_3R_4R_6 + C_3C_5R_1R_3R_5R_6}{-R_3 + R_5 + s^3\left(C_2C_3C_4R_1R_3R_4R_5 + C_2C_4R_2R_3R_4R_5 + C_2C_4R_2R_3R_4 + C_2C_4R_3R_4R_4 + C_2C_4R_3R_4R_4 + C_2C_4R_3R_4R_4 + C_2C_4R_3R_4R_4 + C_2C_4R_3R_4R_4 + C_2C_4R_3R_4R_4 + C_2C_4$

9.505 X-INVALID-ORDER-505 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_3R_4R_5s^4 + R_1 + s^3\left(C_2C_3C_4R_1R_2R_3R_4 + C_2C_3C_5R_1R_2R_3R_5 + C_2C_4C_5R_1R_2R_4R_5 + C_3C_4C_5R_1R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_2R_3 + C_2C_4R_1R_2R_4 + C_2C_5R_1R_2R_5 + C_3C_4C_5R_1R_2R_4R_5 + C_3C_4C_5R_1R_3R_4R_5 + C_3C_4C_5R_3R_4R_5 + C_3C_4C_5R_3R$

9.506 X-INVALID-ORDER-506 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_1 + s^4\left(C_2C_3C_4C_5R_1R_2R_3R_4R_5 + C_2C_3C_4C_6R_1R_2R_3R_4R_6 + C_2C_4C_5C_6R_1R_2R_3R_4R_5R_6 + C_3C_4C_5C_6R_1R_3R_4R_5R_6\right) + s^3\left(C_2C_3C_4R_1R_2R_3R_4 + C_2C_3C_5R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_6 + C_2C_4C_5C_6R_1R_3R_4R_5 + C_2C_3C_4C_6R_1R_3R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R$

9.507 X-INVALID-ORDER-507 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-R_3 + R_5 + s^4 \left(C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 - C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 - C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_4 C_6 R_1 R_4 R_5 R_6\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3 \left(C_2 C_3 C_4 R_1 R_3 R_4 R_5\right) + s^3$

9.508 X-INVALID-ORDER-508 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_3R_4s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4\right)}{s^3\left(C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_2C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$

9.509 X-INVALID-ORDER-509 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_6R_1R_2R_3R_4R_6s^3 + R_1R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_6R_1R_2R_4R_6 + C_3C_6R_1R_3R_4R_6\right) + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}{s^3\left(C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_2C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_4R_5 - C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}$

9.510 X-INVALID-ORDER-510 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_2C_3R_1R_2R_3R_4R_6s^2 + R_1R_4R_6 + s(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6)$

 $\frac{C_2C_3R_1R_2R_3R_4R_6 + C_2C_3C_6R_1R_3R_4R_6 + C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6 + C_3R_1R_3R_4R_6 + C_3R_1R_3R_4R_6 + C_3R_1R_3R_4R_6 + C_3R_1R_3R_4R_6 + C_3R_3R_4R_6 + C_3R_3R_4R_$

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9.511 X-INVALID-ORDER-511 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                            H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_4R_6s + s^2\left(C_2C_5R_1R_2R_4R_6 + C_3C_5R_1R_3R_4R_6\right)}{R_3 + R_4 + s^2\left(C_2C_3R_1R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_4R_2R_3R_4 - C_2C_5R_2R_3R_4\right) + s\left(C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 + C_3R_3R_4 + C_4R_3R_4 - C_5R_3R_4\right)}
9.512 X-INVALID-ORDER-512 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                             H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_3R_4R_6\right) + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_3C_6R
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9.513 X-INVALID-ORDER-513 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_4R_6s + s^2\left(C_2C_5R_1R_2R_4R_6 + C_3C_5R_1R_3R_4R_6\right)}{R_3 + R_4 + s^3\left(C_2C_3C_6R_1R_3R_4R_6 + C_2C_6R_2R_3R_4R_6 + C_2C_5C_6R_2R_3R_4R_6 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_5R_2R_3R_4 + C_2C_6R_2R_3R_6 + C_2C_6R_2R_3R_4R_6 + C_2C_6R_2R_3R_4R_6$

9.514 X-INVALID-ORDER-514 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

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

9.515 X-INVALID-ORDER-515 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4\right)}{C_6R_3 + C_6R_4 + s^3\left(C_2C_3C_5C_6R_1R_3R_4R_5 + C_2C_3C_5C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R$

9.516 X-INVALID-ORDER-516 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_2C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_3R_4R_6\right) + s\left(C_2C_5R_1R_2R_4 + C_2C_5C_6R_1R_3R_4 + C_2C_5C_6R_1R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_2C_5C$

9.517 X-INVALID-ORDER-517 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{R_3 + R_4 + s^4 \left(C_2 C_3 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_5 R_1 R_3 R_4 R_5 + C_2 C_3 C_5 R_1 R_3 R_4 R_5 + C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_5 R_5 R_5 R_5 + C_2 C_3 C_5 R_5 R_5 R_5 + C_2 C_5$

9.518 X-INVALID-ORDER-518 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_6 + s^2\left(C_2C_3R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_4R_5R_6 + C_3C_5R_1R_3R_4R_5R_6\right) + s\left(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_5R_2R_3R_4R_5\right) + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 + C_3R_3R_4R_5$

9.519 X-INVALID-ORDER-519 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_5s^3 + R_1R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_5R_1R_2R_4R_5 + C_3C_5R_1R_3R_4R_5\right) + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4 + C_5R_1R_4R_5\right)}{s^3\left(C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_2C_5C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_3R_4R_5 + C_2C_6R_3$

9.520 X-INVALID-ORDER-520 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_4 + s^3\left(C_2C_3C_5R_1R_2R_3R_4R_5 + C_2C_3C_6R_1R_2R_3R_4R_6 + C_2C_5C_6R_1R_2R_4R_5R_6 + C_3C_5C_6R_1R_3R_4R_5 + C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_2R_4R_$

9.521 X-INVALID-ORDER-521
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_6 + s^2\left(C_2C_3R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_3R_4R_5 + C_2C_3R_1R_3R_4R_5 + C_2C_3R_3R_4R_5 + C_2C_3R_$

9.522 X-INVALID-ORDER-522 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_2 R_1 R_2 R_4 R_5 + C_2 R_2 R_3 R_4 R_5\right)}$$

9.523 X-INVALID-ORDER-523 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, \frac{1}{C_6s}\right)$

$$H(s) = \frac{R_1 R_2 R_4}{s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.524 X-INVALID-ORDER-524 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_6 R_1 R_2 R_4 R_6 s + R_1 R_2 R_4}{s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.525 X-INVALID-ORDER-525 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{1}{C_5s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 - C_5 R_2 R_3 R_4\right)}$$

9.526 X-INVALID-ORDER-526 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s \left(C_2 C_6 R_1 R_2 R_4 + C_2 C_6 R_2 R_3 R_4 - C_5 C_6 R_2 R_3 R_4 \right)}$$

9.527 X-INVALID-ORDER-527 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_2C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

9.528 X-INVALID-ORDER-528 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

$$U_5R_1R_2R_4R_6s$$

 $\frac{-\sqrt{51}(11)(21)(41)(65)}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + S^3\left(C_2C_5C_6R_1R_2R_4R_5R_6 + C_2C_5C_6R_2R_3R_4R_5 + C_2C_5R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_6 + C_5C_6R_2R_3R_4R_6 + C_5C_6R_2R_4R_5R_6 + C_5C_6R_2R_4R_5R_6 + C_5C_6R_5R_5R_5R_6 + C_5C_6R_5R_5R_5R_6 + C_5C_6R_5R_5R_5$

9.529 X-INVALID-ORDER-529 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_5 R_6 s + R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_2 R_1 R_2 R_4 R_5 + C_2 R_2 R_3 R_4 R_5 - C_5 R_2 R_3 R_4 R_5\right)}$$

9.530 X-INVALID-ORDER-530 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_5 s + R_1 R_2 R_4}{s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5 - C_5 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

$$\textbf{9.531} \quad \textbf{X-INVALID-ORDER-531} \ \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3, \ R_4, \ \frac{R_5}{C_5R_5s+1}, \ R_6 + \frac{1}{C_6s}\right)$$

$$H(s) = \frac{C_5C_6R_1R_2R_4R_5R_6s^2 + R_1R_2R_4 + s\left(C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.532 X-INVALID-ORDER-532 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5, R_6\right)$

$$H(s) = \frac{R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s \left(C_2 R_1 R_2 R_5 + C_2 R_2 R_3 R_5 + C_4 R_2 R_3 R_5 \right)}$$

9.533 X-INVALID-ORDER-533 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_1 R_2}{s^2 \left(C_2 C_6 R_1 R_2 R_5 + C_2 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_5 \right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5 \right)}$$

9.534 X-INVALID-ORDER-534 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6R_1R_2R_6s + R_1R_2}{s^2\left(C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$$

9.535 X-INVALID-ORDER-535 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s \left(C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3\right)}$$

9.536 X-INVALID-ORDER-536 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s \left(C_2 C_6 R_1 R_2 + C_2 C_6 R_2 R_3 + C_4 C_6 R_2 R_3 - C_5 C_6 R_2 R_3\right)}$$

9.537 X-INVALID-ORDER-537 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 C_6 R_1 R_2 R_6 s + C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s \left(C_2 C_6 R_1 R_2 + C_2 C_6 R_2 R_3 + C_4 C_6 R_2 R_3 - C_5 C_6 R_2 R_3 \right)}$$

9.538 X-INVALID-ORDER-538 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^3 \left(C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_2 C_5 C_6 R_2 R_3 R_5 R_6 + C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_4 C_5 R_2 R_3 R_5 + C_2 C_6 R_1 R_2 R_6 + C_2 C_6 R_2 R_3 R_6 + C_4 C_6 R_2 R_3 R_6 + C_5 C_6 R_2 R_5 R_6 + C_5 C_6 R_$$

9.539 X-INVALID-ORDER-539 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_5 R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s \left(C_2 R_1 R_2 R_5 + C_2 R_2 R_3 R_5 + C_4 R_2 R_3 R_5 - C_5 R_2 R_3 R_5 \right)}$$

9.540 X-INVALID-ORDER-540 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_5 s + R_1 R_2}{s^2 \left(C_2 C_6 R_1 R_2 R_5 + C_2 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_5 - C_5 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5\right)}$$

 $\textbf{9.541} \quad \textbf{X-INVALID-ORDER-541} \ \ Z(s) = \left(R_1, \ \frac{R_2}{C_2R_2s+1}, \ R_3, \ \frac{1}{C_4s}, \ \frac{R_5}{C_5R_5s+1}, \ R_6 + \frac{1}{C_6s}\right)$ $H(s) = \frac{C_5C_6R_1R_2R_5R_6s^2 + R_1R_2 + s\left(C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{s^2\left(C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$

9.542 X-INVALID-ORDER-542 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_4 R_1 R_2 R_4 s + R_1 R_2}{s^3 \left(C_2 C_4 C_6 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(C_2 C_6 R_1 R_2 R_5 + C_2 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_4 + C_4 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_4 + C_4 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_4 + C_4 C_6 R_2 R_3 R_5 + C_4 C_6 R_5 R_5 + C_4 C_$

9.543 X-INVALID-ORDER-543 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_6R_1R_2R_4R_6s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_6R_1R_2R_6\right)}{s^3\left(C_2C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_2R_4R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$

9.544 X-INVALID-ORDER-544 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_4 R_1 R_2 R_4 R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^3 \left(C_2 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_4 R_2 R_3 R_4 R_5 + C_2 C_4 R_2 R_3 R_4 R_5 + C_2 C_6 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_4 R_6 + C_4 C_6 R_2 R_4 R_6 + C_4 C_6 R_4 R_4 R_6 +$

9.545 X-INVALID-ORDER-545 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^3\left(C_2C_4C_6R_1R_2R_4R_6 + C_2C_4C_6R_2R_3R_4R_6 - C_4C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_2C_4R_1R_2R_4 + C_2C_4R_2R_3R_4 + C_2C_6R_1R_2R_6 + C_4C_5R_2R_3R_6 + C_4C_6R_2R_3R_6 + C_4C_6R_3R_4R_6 + C_4C_6R_4R_4R_6 + C_4C$

9.546 X-INVALID-ORDER-546 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^3\left(C_2C_4C_5R_1R_2R_4R_5 + C_2C_4C_5R_2R_3R_4 + C_2C_4R_2R_3R_4 + C_2C_5R_1R_2R_5 + C_2C_5R_2R_3R_5 + C_4C_5R_2R_3R_4 + C_4C_5R_2R_3R_5 + C_4C_5R_3R_4R_5 + C_4C_5R_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_5R_5R_5R_5 +$

9.547 X-INVALID-ORDER-547 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_2C_4C_5C_6R_1R_2R_4R_5 + C_2C_4C_5C_6R_2R_3R_4 + C_2C_4C_6R_2R_3R_4 + C_2C_5C_6R_1R_2R_5 + C_2C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_3R_4R_5 + C_4C_5C_6R_3R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_$

9.548 X-INVALID-ORDER-548 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_4 + C_5C_6R_1R_2R$

9.549 X-INVALID-ORDER-549 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left(C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_4 C_5 R_2 R_3 R_4 R_5 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 + C_2 C_5 C_6 R_1 R_2 R_5 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_5 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 \right) + s^3 \left(C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_4 C_6 R_1 R_2 R_4 R_5 \right) + s^3 \left(C_2 C_4 R_2 R_4 R_5 R_5 \right) + s^3 \left(C_2 C_4 R_2 R_4 R_5 R_5 \right) + s^3 \left(C_2 C_4 R_4 R_5 R_5 R_5 \right) + s^3 \left(C_2 C_4 R_4 R_5 R_5 R_5 \right) + s^3 \left(C_2 C_4 R_4 R_5 R_5 R_5 \right) + s^3 \left(C_2 C_4 R_5 R_4 R_5 R_5 \right) + s^3 \left($

9.550 X-INVALID-ORDER-550 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_5s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_5R_1R_2R_5\right)}{s^3\left(C_2C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_2R_3R_4R_5 - C_4C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_5R_5 +$

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9.551 X-INVALID-ORDER-551 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
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 $H(s) = \frac{C_4C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_2 + s^2\left(C_4C_5R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_6 + C_5C_6R_1R_2R_4 + C_5R_1R_2R_4 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right) + s\left(C_4R_1R_2R_4 + C_5R_1R_2R_4 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{s^3\left(C_2C_4C_6R_1R_2R_4R_5 + C_4C_6R_2R_3R_4R_5 - C_4C_5C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_5R_5 + C_4C_6R_5R_5 + C_4C_6R_5R_5 + C_4C_6R_5R_5 + C_4C_6R_5R_5 +$

9.552 X-INVALID-ORDER-552 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_4R_5R_6s^2 + R_1R_2R_$

9.553 X-INVALID-ORDER-553 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_2 R_1 R_2 R_4 R_5 + C_2 R_2 R_3 R_4 R_5 + C_4 R_2 R_3 R_4 R_5\right)}$$

9.554 X-INVALID-ORDER-554 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$

$$H(s) = \frac{R_1 R_2 R_4}{s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5 + C_4 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.555 X-INVALID-ORDER-555 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_6 R_1 R_2 R_4 R_6 s + R_1 R_2 R_4}{s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5 + C_4 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$$

9.556 X-INVALID-ORDER-556 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s \left(C_2 R_1 R_2 R_4 + C_2 R_2 R_3 R_4 + C_4 R_2 R_3 R_4 - C_5 R_2 R_3 R_4\right)}$$

9.557 X-INVALID-ORDER-557 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s \left(C_2 C_6 R_1 R_2 R_4 + C_2 C_6 R_2 R_3 R_4 + C_4 C_6 R_2 R_3 R_4 - C_5 C_6 R_2 R_3 R_4\right)}$$

9.558 X-INVALID-ORDER-558 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_2C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

9.559 X-INVALID-ORDER-559 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_5R_1R_2R_4R_6 + C_2C_5R_2R_3R_4R_5 + C_2C_5R_3R_4R_5 + C_2C_5R_5R_5R_5 + C_2C_5R_5R_5R$

9.560 X-INVALID-ORDER-560 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

$$H(s) = \frac{C_5 R_1 R_2 R_4 R_5 R_6 s + R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(C_2 R_1 R_2 R_4 R_5 + C_2 R_2 R_3 R_4 R_5 + C_4 R_2 R_3 R_4 R_5 - C_5 R_2 R_3 R_4 R_5\right)}$$

9.561 X-INVALID-ORDER-561 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$ $H(s) = \frac{C_5R_1R_2R_4R_5s + R_1R_2R_4}{s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$ 9.562 X-INVALID-ORDER-562 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_4R_5R_6s^2 + R_1R_2R_4 + s\left(C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_$

9.563 X-INVALID-ORDER-563 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{C_2 C_3 C_6 R_1 R_2 R_4 R_5 R_6 s^3 - R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(C_2 C_3 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_4 R_5 R_6 + C_3 C_6 R_1 R_4 R_5 R_6 + C_3 C_6 R_2 R_4 R_5 + C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 - C_6 R_2 R_4 R_6 + C_6 R_2 R_5 R_6 + C_6 R_4 R_5 R_6\right)}$

9.564 X-INVALID-ORDER-564 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3C_6R_1R_2R_4R_6s^3 + R_2 + R_4 + s^2\left(C_2C_3R_1R_2R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_1R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4 + C_6R_2R_6 + C_6R_4R_6\right)}$

9.565 X-INVALID-ORDER-565 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3C_5R_1R_2R_4R_5s^3 + R_2 + R_4 + s^2\left(C_2C_3R_1R_2R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_1R_4R_5 + C_3C_5R_2R_4R_5\right) + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4 + C_5R_2R_5 + C_5R_4R_5\right)}$

9.566 X-INVALID-ORDER-566 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_2C_3C_5C_6R_1R_2R_4R_5s^3 + C_6R_2 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_2R_4 + C_2C_5C_6R_2R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4 + C_3C_6R_2R_4 + C_3C_6R_2R_4 + C_5C_6R_2R_4 + C_5C_6R_$

9.567 X-INVALID-ORDER-567 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_2C_3C_5C_6R_1R_2R_4R_5s^3 + C_6R_2 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_2R_4 + C_2C_5C_6R_2R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4 + C_3C_6R_2R_4 + C_3C_6R_2R_4 + C_5C_6R_2R_4 + C_5C_6R_2R_$

9.568 X-INVALID-ORDER-568 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^4 + R_2 + R_4 + s^3\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + C_3C_5C_6R_2R_4R_5R_6 + C_3C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_2R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_1R_4R_5 + C_3C_5R_5R_5R_5 + C_3C_$

9.569 X-INVALID-ORDER-569 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{C_2C_3C_6R_1R_2R_4R_5R_6s^3 - R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_2R_4R_5 + C_2C_6R_2R_4R_5R_6 + C_3C_6R_2R_4R_5R_6\right) + s\left(C_2R_2R_4R_5 + C_3R_2R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5 - C_6R_2R_4R_5 + C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_5 + C_3R_2R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5 - C_6R_2R_4R_6 + C_6R_2R_5R_6\right) + s\left(C_2R_2R_4R_5 + C_3R_2R_4R_5 + C_3R_2R_4R_5 - C_5R_2R_4R_5 - C_6R_2R_4R_5 + C_6R_2R_5R_6\right) + s\left(C_2R_2R_4R_5 + C_3R_2R_4R_5 + C_3R_2R_4R_5 - C_6R_2R_4R_5 + C_6R_2R_4R_5 + C_6R_2R_4R_5\right) + s\left(C_2R_2R_4R_5 + C_3R_2R_4R_5 + C_3R_2R_4R_5 - C_6R_2R_4R_5 + C_6R_2R_4R_5\right) + s\left(C_2R_2R_4R_5 + C_3R_2R_4R_5 - C_6R_2R_4R_5\right) + s\left(C_2R_2R_4R_5 - C_6R_2R_4R_5\right) + s\left(C_2R_2R_4R_5\right) + s\left(C_2R_$

9.570 X-INVALID-ORDER-570 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_6 s}{C_2 C_3 C_6 R_1 R_2 R_5 R_6 s^3 - R_2 + R_5 + s^2 \left(C_2 C_3 R_1 R_2 R_5 + C_2 C_6 R_2 R_5 R_6 + C_3 C_6 R_1 R_5 R_6 + C_3 C_6 R_2 R_5 R_6 \right) + s \left(C_2 R_2 R_5 + C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5 - C_6 R_2 R_6 + C_6 R_5 R_6\right)}$

9.571 X-INVALID-ORDER-571 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{C_2C_3C_6R_1R_2R_6s^3 + s^2\left(C_2C_3R_1R_2 + C_2C_6R_2R_6 + C_3C_6R_1R_6 + C_3C_6R_2R_6 + C_4C_6R_2R_6 - C_5C_6R_2R_6\right) + s\left(C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_6R_6\right) + 1}$$

9.572 X-INVALID-ORDER-572 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{C_2C_3C_5R_1R_2R_5s^3 + s^2\left(C_2C_3R_1R_2 + C_2C_5R_2R_5 + C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_5R_2R_5\right) + s\left(C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_5R_5\right) + 1}$$

9.573 X-INVALID-ORDER-573 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5R_1R_2s}{C_2C_3C_5C_6R_1R_2R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_2 + C_2C_5C_6R_2R_5 + C_3C_5C_6R_1R_5 + C_3C_5C_6R_2R_5\right) + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2 + C_5C_6R_2\right)}$$

9.574 X-INVALID-ORDER-574 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_2C_3C_5C_6R_1R_2R_5s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_2 + C_2C_5C_6R_2R_5 + C_3C_5C_6R_1R_5 + C_3C_5C_6R_2R_5 + C_4C_5C_6R_2R_5\right) + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2 + C_5C_6R_5\right)}$$

9.575 X-INVALID-ORDER-575 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_6s^2}{C_2C_3C_5C_6R_1R_2R_5R_6s^4 + s^3\left(C_2C_3C_5R_1R_2R_5 + C_2C_3C_6R_1R_2R_6 + C_3C_5C_6R_2R_5R_6 + C_3C_5C_6R_2R_5R_6 + C_4C_5C_6R_2R_5R_6 + C_4C_5C_6R_4R_5R_6 + C_4C_5C_6R_4R_5R_5 + C_4C_5C_6R_5R_5R_6 + C_4C_5C_6R_5R_5R_6 + C_4C_5C_6R_5R_5R_6 + C_4C_5C_6R_5R_5R_6 + C_4C_5C_6R_5R_5R_6 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5R_5R_5R_5 + C_4C_5C_5$$

9.576 X-INVALID-ORDER-576 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{C_2C_3C_6R_1R_2R_5R_6s^3 - R_2 + R_5 + s^2\left(C_2C_3R_1R_2R_5 + C_2C_6R_2R_5R_6 + C_3C_6R_1R_5R_6 + C_3C_6R_2R_5R_6 + C_4C_6R_2R_5R_6\right) + s\left(C_2R_2R_5 + C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5 - C_5R_2R_5 - C_6R_2R_6 + C_6R_5R_6\right)}$$

9.577 X-INVALID-ORDER-577 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{C_2C_3C_4R_1R_2R_4R_5s^3 - R_2 + R_5 + s^2\left(C_2C_3R_1R_2R_5 + C_2C_4R_2R_4R_5 + C_3C_4R_1R_4R_5 + C_3C_4R_2R_4R_5\right) + s\left(C_2R_2R_5 + C_3R_1R_5 + C_3R_2R_5 - C_4R_2R_4 + C_4R_2R_5 + C_4R_4R_5\right)}$$

9.578 X-INVALID-ORDER-578 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_4R_1R_2R_4s + C_3R_1R_2}{C_2C_3C_4C_6R_1R_2R_4R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_4C_6R_2R_4R_5 + C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_2R_4 + C_4C_6R_4 + C_4C_6R_$$

9.579 X-INVALID-ORDER-579 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_4C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6\right)}{C_2C_3C_4C_6R_1R_2R_4R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_4C_6R_2R_4R_5 + C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_2R_4 + C_3C_6R_2R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5\right)}$$

9.580 X-INVALID-ORDER-580 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{C_2C_3C_4C_6R_1R_2R_4R_5R_6s^4 - R_2 + R_5 + s^3\left(C_2C_3C_4R_1R_2R_4R_5 + C_2C_4C_6R_2R_4R_5R_6 + C_3C_4C_6R_1R_4R_5R_6 + C_3C_4C_6R_2R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_2R_5 + C_2C_4R_2R_4R_5 + C_3C_4R_1R_4R_5 + C_3C_4R_2R_4R_5 + C_3C_4R_4R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5$$

9.581 X-INVALID-ORDER-581 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$ $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{C_2C_3C_4R_1R_2R_4s^3 + s^2\left(C_2C_3R_1R_2 + C_2C_4R_2R_4 + C_3C_4R_1R_4 + C_3C_4R_2R_4 - C_4C_5R_2R_4\right) + s\left(C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 + C_4R_4 - C_5R_2\right) + 1}$ **9.582** X-INVALID-ORDER-582 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$ $H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{C_2C_3C_4C_6R_1R_2R_4s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_2 + C_2C_4C_6R_2R_4 + C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_4 - C_4C_5C_6R_2R_4\right) + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 + C_4C_6R_4 - C_5C_6R_2\right)}$ **9.583** X-INVALID-ORDER-583 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$ $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_2C_3C_4C_6R_1R_2R_4s^3 + C_6 + s^2\left(C_2C_3C_6R_1R_2 + C_2C_4C_6R_2R_4 + C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_4 - C_4C_5C_6R_2R_4\right) + s\left(C_2C_6R_2 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 + C_4C_6R_4 - C_5C_6R_2\right)}$ **9.584** X-INVALID-ORDER-584 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$ $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{C_2C_3C_4C_6R_1R_2R_4R_6s^4 + s^3\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_6R_1R_2R_6 + C_3C_4C_6R_2R_4R_6 + C_3C_4C_6R_2R_4R_6 - C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_2C_3R_1R_2 + C_2C_4R_2R_4 + C_3C_4R_2R_4 + C_3C_4R_4R_4 + C_3C_4R_4R_$ **9.585** X-INVALID-ORDER-585 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$ $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{C_2C_3C_4C_5R_1R_2R_4R_5s^4 + s^3\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_5R_1R_2R_5 + C_2C_4C_5R_2R_4R_5 + C_3C_4C_5R_2R_4R_5\right) + s^2\left(C_2C_3R_1R_2 + C_2C_4R_2R_4 + C_3C_5R_2R_4 + C_3C_5R_1R_5 + C_3C_5R_2R_5 - C_4C_5R_2R_4 + C_4C_5R_4R_4 + C_$ **9.586** X-INVALID-ORDER-586 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$ $H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{C_2C_3C_4C_5C_6R_1R_2R_4 + C_2C_3C_5C_6R_1R_2R_5 + C_2C_4C_5C_6R_2R_4R_5 + C_3C_4C_5C_6R_2R_4R_5 + S^2\left(C_2C_3C_6R_1R_2 + C_2C_4C_6R_2R_4 + C_3C_5C_6R_2R_4 + C_$ **9.587** X-INVALID-ORDER-587 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$ $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_2C_3C_4C_5C_6R_1R_2R_4 + C_3C_5C_6R_1R_2R_5 + C_3C_4C_5C_6R_1R_4R_5 + C_3C_4C_5C_6R_2R_4R_5) + s^2\left(C_2C_3C_4C_6R_1R_2 + C_2C_5C_6R_2R_4 + C_3C_5C_6R_1R_2 + C_3C_5C_6R_1R_4 +$ **9.588** X-INVALID-ORDER-588 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$ **9.589** X-INVALID-ORDER-589 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$ $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_6 + C_3C_5R_1R_2R_5R_6\right)}{C_2C_3C_4R_1R_2R_4R_5s^3 - R_2 + R_5 + s^2\left(C_2C_3R_1R_2R_5 + C_3C_4R_1R_4R_5 + C_3C_4R_2R_4R_5 - C_4C_5R_2R_4R_5\right) + s\left(C_2R_2R_5 + C_3R_1R_5 + C_3R_2R_5 - C_4R_2R_4 + C_4R_2R_5 + C_4R_4R_5 - C_5R_2R_5\right)}$ **9.590** X-INVALID-ORDER-590 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$ $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5\right)}{C_2C_3C_4C_6R_1R_2R_4R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_4C_6R_2R_4R_5 + C_3C_4C_6R_2R_4R_5 - C_4C_5C_6R_2R_4R_5\right) + s\left(C_2C_6R_2R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 +$

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9.591 X-INVALID-ORDER-591 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
           H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_4R_5 + C_3C_4C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_2R_5R_6\right) + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{C_2C_3C_4C_6R_1R_2R_4R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_2R_5 + C_3C_4C_6R_2R_4R_5 + C_3C_4C_6R_2R_4R_5 - C_4C_5C_6R_2R_4R_5\right) + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_1R_2R_5 + C_3C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_2R_4 + C_4C_6R_2R_5\right)}
9.592 X-INVALID-ORDER-592 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_5R_6 + C_3C_4C_6R_1R_4R_5R_6 + C_3C_4C_6R_2R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_2R_5 + C_2C_4R_2R_4R_5 + C_3C_4R_1R_2R_4R_5 + C_3C_4R_1R_4R_5 + 
9.593 X-INVALID-ORDER-593 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{C_2 C_3 C_6 R_1 R_2 R_4 R_5 R_6 s^3 - R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(C_2 C_3 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_4 R_5 R_6 + C_3 C_6 R_1 R_4 R_5 R_6 + C_4 C_6 R_2 R_4 R_5 R_6 \right) + s \left(C_2 R_2 R_4 R_5 + C_3 R_1 R_4 R_5 + C_3 R_2 R_4 R_5 + C_4 R_2 R_4 R_5 + C_6 R_2 R_4 R_6 + C_6 R_2 R_5 R_6 + C_6 R_4 R_5 R_6 \right)}
9.594 X-INVALID-ORDER-594 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                                            H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3C_6R_1R_2R_4R_6s^3 + R_2 + R_4 + s^2\left(C_2C_3R_1R_2R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_1R_4R_6 + C_3C_6R_2R_4R_6 + C_4C_6R_2R_4R_6\right) + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4 + C_6R_2R_4R_6\right)}{c_3C_5R_1R_2R_4R_6s^3 + R_2 + R_4 + s^2\left(C_2C_3R_1R_2R_4 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_4C_6R_2R_4R_6\right) + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4 + C_6R_2R_4R_6\right)}
9.595 X-INVALID-ORDER-595 Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                 H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3C_5R_1R_2R_4R_5s^3 + R_2 + R_4 + s^2\left(C_2C_3R_1R_2R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_1R_4R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4 + C_5R_2R_5 + C_5R_4R_5\right)}
9.596 X-INVALID-ORDER-596 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)
                            9.597 X-INVALID-ORDER-597 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
            H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_2C_3C_6R_1R_2R_4R_5s^3 + C_6R_2 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_2R_4 + C_2C_5C_6R_2R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_4C_5C_6R_2R_4R_5\right) + s\left(C_2C_6R_2R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_5C_6R_2R_4 + C_5C_6
9.598 X-INVALID-ORDER-598 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
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 $\frac{C_3C_5R_1R_2R_4R_6s^2}{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^4+R_2+R_4+s^3\left(C_2C_3C_5R_1R_2R_4R_5+C_2C_3C_6R_1R_2R_4R_5+C_3C_5C_6R_2R_4R_5R_6+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_2R_4R_5+C_3C_5C_6R_5R_5+C_5C_5C_6R_5R_5+C_5C_5C_6R_5R_5+C_5C_5C_5C_6R_5+C_5C_5C_5C_5R_5+C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_$

9.599 X-INVALID-ORDER-599 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{C_2C_3C_6R_1R_2R_4R_5R_6s^3 - R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_2R_4R_5 + C_3C_6R_2R_4R_5R_6 + C_3C_6R_2R_4R_5R_6 + C_4C_6R_2R_4R_5R_6 + C_4C_6R_2R_4R_5R_6 + C_4C_6R_2R_4R_5 + C_3R_4R_5 + C_4R_2R_4R_5 + C_4R_4R_5 + C_4R_5R_5 + C_$

9.600 X-INVALID-ORDER-600 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $C_3R_1R_2R_4R_6s$ $-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_2C_3C_6R_1R_2R_4R_5R_6 + C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_6R_2R_4R_5R_6 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6$

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9.601 X-INVALID-ORDER-601 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_2C_3C_6R_1R_2R_4R_6 + C_2C_3C_6R_2R_3R_4R_6 - C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_2C_3R_1R_2R_4 + C_2C_3R_2R_3R_4 + C_2C_6R_2R_4R_6 - C_3C_5R_2R_3R_4 + C_3C_6R_2R_3R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 - C_5C_6R_2R_4R_6\right) + s\left(C_2R_2R_4 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_2R_4R_6\right) + s\left(C_2R_2R_4R_6 + C_3C_6R_2R_4R_6 + C_3C_6R_4R_4R_6 + C_3C_6R_4R_4 
9.602 X-INVALID-ORDER-602 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)
H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_5R_2R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_2R_4 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_2R_3R_4 + C_3C_5R_2R_3R_4 + C_3C_5R_2R_3R_4 + C_3C_5R_2R_4R_5 + C_3C_5R_4R_5 + C_3C_5R_5R_4R_5 + C_3C_5R_5R_4R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_
9.603 X-INVALID-ORDER-603 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_2C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_4R_5 + C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_3R_3R_4 + C_3C_5C_6R_3R_4R_5 + C_3C_5C_6R_
9.604 X-INVALID-ORDER-604 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_2C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_4R_5 + C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_3R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_6R_3R_4 + C_3C_5C_5C_
9.605 X-INVALID-ORDER-605 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{1}{R_2 + R_4 + s^4 \left( C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_6 + C_3 C_5 C_6 R_2 R
9.606 X-INVALID-ORDER-606 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_2C_3C_6R_1R_2R_4R_5R_6 + C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^2\left(C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6
9.607 X-INVALID-ORDER-607 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3 R_1 R_2 R_6 s}{-R_2 + R_5 + s^3 \left(C_2 C_3 C_6 R_1 R_2 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_3 C_4 R_2 R_3 R_5 + C_2 C_3 R_2 R_3 R_5 + C_2 C_6 R_2 R_3 R_5 + C_3 C_6 R_2 R_3 R_6 + C_3 C_6 R_2 R_3 R_6 + C_3 C_6 R_2 R_3 R_6 + C_3 C_6 R_2 R_5 R_6 + C_3 C_6 R_5 R_5 R_6 + C_5 C_6 R_5 R_5 R_6 + C
9.608 X-INVALID-ORDER-608 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
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 $\frac{C_{3}C_{5}R_{1}R_{2}R_{6}s^{2}}{s^{3}\left(C_{2}C_{3}C_{6}R_{1}R_{2}R_{6}+C_{2}C_{3}C_{6}R_{2}R_{3}R_{6}+C_{3}C_{4}C_{6}R_{2}R_{3}R_{6}-C_{3}C_{5}C_{6}R_{2}R_{3}R_{6}\right)+s^{2}\left(C_{2}C_{3}R_{1}R_{2}+C_{2}C_{3}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{6}+C_{3}C_{6}R_{2}R_{6}+C$

9.609 X-INVALID-ORDER-609 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^3\left(C_2C_3C_5R_1R_2R_5 + C_2C_3C_5R_2R_3R_5 + C_3C_4C_5R_2R_3R_5\right) + s^2\left(C_2C_3R_1R_2 + C_2C_3R_2R_3 + C_2C_5R_2R_5 + C_3C_5R_2R_3 + C_3C_5R_2R_5 + C_3C_5R_5R_5 + C_3C_$

9.610 X-INVALID-ORDER-610 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

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9.611 X-INVALID-ORDER-611 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^3\left(C_2C_3C_5C_6R_1R_2R_5 + C_2C_3C_5C_6R_2R_3R_5 + C_3C_4C_5C_6R_2R_3 + C_2C_5C_6R_2R_3 + C_3C_5C_6R_2R_3 + C_3C_5C_6R_3R_3 + C_3C_5C_6R_3R_3 + C_3C_5C_6R_3R_3 + C_3C_5C_6R_3R_3 + C_3C_5C_6R_3R_3 + C_3C_5C_5C_6R_3R_3 + C_3C_5C_5C_6R_3R_3 + C_3C_5C_5C_6R_3R_3 + C_3C_5C_5C_6R_3R_3 + C_3C_5C_5C_6R_
9.612 X-INVALID-ORDER-612 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                                          \overline{s^4 \left( C_2 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_3 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_3 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_3 C_4 C_5 R_2 R_3 R_5 + C_2 C_3 C_5 R_1 R_2 R_5 + C_2 C_3 C_6 R_1 R_2 R_6 + C_2 C_3 C_6 R_2 R_3 R_6 + C_3 C_4 C_5 R_2 R_3 R_5 + C_3 C_4 C_6 R_2 R_3 R_6 + C_3 C_5 C_6 R_2 R_3 R_5 + C
9.613 X-INVALID-ORDER-613 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_5s}{-R_2 + R_5 + s^3\left(C_2C_3C_6R_1R_2R_5R_6 + C_2C_3C_6R_2R_3R_5R_6 - C_3C_5C_6R_2R_3R_5R_6 + C_3C_4R_2R_3R_5 + C_2C_3R_2R_3R_5 + C_2C_6R_2R_3R_5 + C_3C_6R_2R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R
9.614 X-INVALID-ORDER-614 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, R_6\right)
H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_2R_3R_4R_5\right) + s^2\left(C_2C_3R_1R_2R_5 + C_2C_3R_2R_3R_5 + C_2C_4R_2R_4R_5 + C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_4 + C_3C_4R_2R_4R_4 + C_3C_4R_4R_4R_4 + C_3C_4R_4R_4R_4 + C_3C_4R_4R_4R_4 + C_3C_4R_4R_4R_4 + C_3C_4R_4R_4 + C_3C_4R_4
9.615 X-INVALID-ORDER-615 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_4R_1R_2R_4s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^3\left(C_2C_3C_4C_6R_1R_2R_4R_5 + C_2C_3C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_4R_5 + C_3C_4C_6R_2R_3R_4 + C_3C_4C_6R_2R_3R_5 + C_3C_4C_6R_3R_3R_5 + C_3C_4C_6R_3R_5 + C_3C_4C_6R_5 + C_3C_4C_6R_3R_5 + C_3C_4C_6R_3R_5 + C_3C_4C_6R_3R_5 + 
9.616 X-INVALID-ORDER-616 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)
                                          \frac{C_3C_4C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_2C_3C_4C_6R_1R_2R_4R_5 + C_2C_3C_4C_6R_2R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_4R_5 + C_3C_4C_6R_2R_3R_4 + C_3C_4C_6R_2R_3R_5 + C_3C_4C_6R_3R_3R_5 + C_3C_4C_6R_3R_5 + C_3C_4C_6R_3R
9.617 X-INVALID-ORDER-617 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
9.618 X-INVALID-ORDER-618 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)
                                          \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^3\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_4R_2R_3R_4 - C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_2C_3R_1R_2 + C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_3C_4R_2R_4 + C_3C_4R_3R_4 - C_3C_5R_2R_3 - C_4C_5R_2R_4\right) + s\left(C_2R_2 + C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 + C_4R_4 - C_5R_2\right) + 1}{s^3\left(C_2C_3C_4R_1R_2R_4 + C_3C_4R_2R_3 + C_3C_4R_2R_3 + C_3C_4R_2R_4 + C_3C_4R_3R_4 - C_3C_5R_2R_3 - C_4C_5R_2R_4\right) + s\left(C_2R_2 + C_3R_1 + C_3R_2 + C_4R_2 + C_4R_4 - C_5R_2\right) + 1}{s^3\left(C_2C_3C_4R_1R_2R_4 + C_3C_4R_2R_4 + C_3C_4R_4R_4 + C_3C_4R_4 + C_3C_4
```

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{C_6 + s^3\left(C_2C_3C_4C_6R_1R_2R_4 + C_2C_3C_4C_6R_2R_3R_4 - C_3C_4C_5R_2R_3R_4 + s^2\left(C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_2C_4C_6R_2R_4 + C_3C_4C_6R_2R_4 + C_3C_4C_6R_4 +$

 $C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s$

9.620 X-INVALID-ORDER-620 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

9.619 X-INVALID-ORDER-619 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6)$ $\frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_6 + s^3\left(C_2C_3C_4C_6R_1R_2R_4 + C_2C_3C_6R_2R_3 + C_2C_4C_6R_2R_4 + C_3C_4C_6R_2R_4 + C_3C_$

- **9.621** X-INVALID-ORDER-621 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{s^4 \left(C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_6 + C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_6 + C_2 C_3 C_4 R_1 R_2 R_4 + C_2 C_3 C_6 R_1 R_2 R_6 + C_2 C_3 C_6 R_2 R_3 R_6 + C_2 C_4 C_6 R_2 R_3 R_4 + C_3 C_4 C_6 R_2 R_3 R_4 +$
- **9.622** X-INVALID-ORDER-622 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{C_3C_4C_5R_1R_2}{s^4\left(C_2C_3C_4C_5R_1R_2R_4R_5 + C_2C_3C_4C_5R_2R_3R_4R_5\right) + s^3\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_4R_2R_3R_4 + C_2C_3C_5R_1R_2R_5 + C_2C_4C_5R_2R_4R_5 + C_3C_4C_5R_2R_3R_4 + C_3C_4C_5R_3R_4R_5 + C_3C_4C_5R_4R_5 + C_3C_4C_5R_4R_5 + C_3C_4C_5R_4R_5 + C_3C_4C_5R_4R_5 + C_3C_4C_5R_4R_5 + C_3C_4C_5R_5R_5R_5 + C_3C_4C_5R_5R_5R_5 + C_3C_4C_5R_5R_5R_5 + C_3C_4C_5R_5R_5R_5 + C_3C_4C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_$
- **9.623** X-INVALID-ORDER-623 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_2 C_3 C_4 C_6 R_2 R_3 R_4 + C_2 C_3 C_5 C_6 R_1 R_2 R_5 + C_2 C_3 C_5 C_6 R_2 R_3 R_5 + C_2 C_4 C_5 C_6 R_2 R_3 R_5 + C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_3 C_4 C_5 C_6 R_2 R_3 R_5 + C_3 C_4 C_5 C_6 R_2 R_5 R_5 + C_3 C_4 C_5 C_6 R_2 R_5 R_5 + C_3 C_4 C_5 C_6 R_5 R_5 R_5 + C_3 C_5 C_6 R_5 R_5 R_5 + C_3 C_5 C_6 R_5 R_5 R_5 + C_5 C_5 R_5 R_5 R_5 + C_5 C_5$
- 9.624 X-INVALID-ORDER-624 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 \right) + s^3 \left(C_2 C_3 C_4 C_6 R_1 R_2 R_4 + C_2 C_3 C_5 C_6 R_1 R_2 R_5 + C_2 C_3 C_5 C_6 R_2 R_3 R_5 + C_2 C_4 C_5 C_6 R_2 R_3 R_5 + C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_3 C_4 C_5 C_6 R_2 R_3 R_5 + C_3 C_4 C_5 C_6 R_2 R_5 R_5 + C_3 C_5 C_6 R_5 R_5 R_5 + C_5 C_5 R_5 R_5 R_5 + C$
- **9.625** X-INVALID-ORDER-625 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 \right) + s^4 \left(C_2 C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_6 + C_2 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_2 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_4 C_5 C_6 R_4 R_5 R_5 + C_4 C_5 C_6 R_4 R_5 R_5 + C_4 C_5 C_6 R_4 R_5 R_5 + C_4 C_5 C_6 R_5 R_5 R_5 + C_4 C_5 C_6 R_5 R_5 R_5 + C_5 C_5 R_5 R_5 R_5 +$
- **9.626** X-INVALID-ORDER-626 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
- $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_6 + C_3C_5R_1R_2R_5R_6\right)}{-R_2 + R_5 + s^3\left(C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_2R_3R_4R_5 C_3C_4R_2R_3R_4R_5 + C_2C_3R_2R_3R_5 + C_2C_4R_2R_4R_5 + C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_2R_3R_4 + C_3C_4R_3R_4R_5 + C_3C_4R_2R_4R_5 + C_3C_4R_4R_5 +$
- 9.627 X-INVALID-ORDER-627 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_2C_3C_4C_6R_1R_2R_4 + C_3C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_4 + C_3C_4C_6R_2R_3R_5 + C_3C_4C_6R_2R_3R_4 + C_3C_4C_6R_4R_4 + C_3C_4C_4C_4R_4 + C_3C_4C_4C_4R_4 + C_3C_4C_4C_4R_4 + C_3C_4C_4C_4R_4 + C_3C_4C_4C_4C_4R_4 + C_$
- 9.628 X-INVALID-ORDER-628 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_4R_5 + C_3C_4C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_2R_5R_6\right) + s\left(C_3C_4R_1R_2R_4R_5 + C_3C_4C_6R_1R_2R_4R_5 + C_3C_4C_6R_1R_2R_4R_5 + C_3C_4C_6R_1R_2R_4R_5 + C_3C_4C_6R_2R_3R_4R_5 + C_3C_4C_6R_2R_3R_4R_5 + C_3C_4C_6R_2R_3R_4 + C_3C_4C_6R_2R_4R_5 + C_3$
 - **9.629** X-INVALID-ORDER-629 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-R_2 + R_5 + s^4 \left(C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6\right) + s^3 \left(C_2 C_3 C_4 R_1 R_2 R_4 R_5 + C_2 C_3 C_4 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_2 C_3 C_6 R_2 R_3 R_4 R_5 + C_3 C_4 C_6 R_2 R_3 R_4 R_5 + C_3$
- **9.630** X-INVALID-ORDER-630 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_2C_3C_6R_1R_2R_4R_5R_6 + C_2C_3C_6R_2R_3R_4R_5R_6 + C_3C_4C_6R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_6R_2R_4R_5R_6 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R$

- **9.633** X-INVALID-ORDER-633 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_2C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_2R_3R_4R_5 + C_3C_4C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_$
- **9.634** X-INVALID-ORDER-634 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_2C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_2R_3R_4R_5 + C_3C_4C_5R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4 + C_3C_5C_6R_2R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_$
- **9.635** X-INVALID-ORDER-635 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{R_2 + R_4 + s^4 \left(C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_2 C_3 C_6 R_2 R$
- **9.636** X-INVALID-ORDER-636 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_2C_3C_6R_1R_2R_4R_5R_6 + C_2C_3C_6R_2R_3R_4R_5R_6 C_3C_5C_6R_2R_3R_4R_5R_6 + C_3C_4R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_3C_4R_2R_3R_4R_5 + C_3C_5R_2R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 +$
- **9.637** X-INVALID-ORDER-637 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{1}{C_6s}\right)$
 - $H(s) = \frac{C_3 R_1 R_2 R_3 R_4 s + R_1 R_2 R_4}{C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5 + C_3 C_6 R_1 R_3 R_4 R_5 \right) + s \left(C_6 R_1 R_4 R_5 C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5 \right)}$
- **9.638** X-INVALID-ORDER-638 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$
 - $H(s) = \frac{C_3C_6R_1R_2R_3R_4R_6s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$
- **9.639** X-INVALID-ORDER-639 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$
- **9.640** X-INVALID-ORDER-640 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{C_2C_3C_6R_1R_2R_3R_4R_6s^3 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_6R_1R_2R_4R_6 + C_3C_6R_2R_3R_4R_6 + C_3C_6R_2R_3R_4R_6\right) + s\left(C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_2R_3R_4 + C_3R_3R_4 + C_3R_3$

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9.642 X-INVALID-ORDER-642 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)
                             \frac{C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}s+C_{5}R_{1}R_{2}R_{4}}{C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{4}+C_{6}R_{3}R_{4}+s^{2}\left(C_{2}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{2}C_{5}C_{6}R_{1}R_{3}R_{4}+C_{5}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}\right)+s\left(C_{2}C_{6}R_{1}R_{2}R_{4}+C_{2}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}R_{4}+C_{3}C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{
9.643 X-INVALID-ORDER-643 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_2C_3C_5C_6R_1R_2R_3R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_2R_4 + C_3C_5C_6R_1R_3R_4 + C_3C_5C
9.644 X-INVALID-ORDER-644 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                             \overline{C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^3\left(C_2C_3C_5R_1R_2R_3R_4R_5 + C_2C_5C_6R_1R_2R_4R_5R_6 + C_2C_5C_6R_1R_3R_4R_5R_6 + C_3C_5C_6R_2R_3R_4R_5R_6 + C_3C_5C_6R_3R_3R_4R_5R_6 + C_3C_5C_6R_3R_3R_4R_5R_6 + C_3C_5C_6R_3R_3R_4R_5R_6 + C_3C_5C_6R_3R_3R_4R_5R_5 + C_3C_5C_6R_3R_3R_4R_5R_5 + C_3C_5C_6R_3R_3R_4R_5 + C_3C_5C_6R_3R_3R_4R_5 + C_3C_5C_6R_3R_3R_4R_5 + C_3C_5C_6R_3R_3R_4R_5 + C_3C_5C_6R_3R_3R_4R_5 + C_3C_5C_6R_3R_3R_4R_5 + C_3C_5C_6R_3R_3R_5R_5 + C_3C_5C_6R_3R_5R_5 + C_3C_5C_6R_5R_5R_5 + C_3C_5C_5R_5R_5R_5 + C_3C_5C_5R_5R_5R_5 + C_3C_5C_5R_5
9.645 X-INVALID-ORDER-645 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                                                                            H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)}{C_2C_3C_6R_1R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_1R_3R_4R_5 + C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}
9.646 X-INVALID-ORDER-646 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
                                                                                            H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_4 + s^2\left(C_3C_5R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_4R_5R_6\right) + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_1R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}
9.647 X-INVALID-ORDER-647 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)}{C_2C_3C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + s^2\left(C_2C_3R_1R_2R_3R_4R_5 + C_2C_6R_1R_2R_4R_5R_6 + C_3C_6R_2R_3R_4R_5R_6 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_3R_4R
9.648 X-INVALID-ORDER-648 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)
                                                                                                                                                                       H(s) = \frac{C_3 R_1 R_2 R_3 s + R_1 R_2}{C_2 C_3 C_6 R_1 R_2 R_3 R_5 s^3 + s^2 \left(C_2 C_6 R_1 R_2 R_5 + C_2 C_6 R_2 R_3 R_5 + C_3 C_6 R_1 R_3 R_5 + C_3 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5\right)}
9.649 X-INVALID-ORDER-649 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                       H(s) = \frac{C_3C_6R_1R_2R_3R_6s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_6R_1R_2R_6\right)}{C_2C_3C_6R_1R_2R_3R_5s^3 + s^2\left(C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}
9.650 X-INVALID-ORDER-650 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_3R_1R_2R_3R_6s + R_1R_2R_6
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 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{C_2C_3C_5R_1R_2R_3R_4R_5s^3 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_5R_1R_2R_4R_5 + C_2C_5R_2R_3R_4R_5 + C_3C_5R_1R_3R_4R_5 + C_3C_5R_1R_3R_4 + C_3R_1R_3R_4 + C_3R_1R_3R_4 + C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5R_1R_3R_4 + C_$

9.641 X-INVALID-ORDER-641 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$

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9.651 X-INVALID-ORDER-651 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{C_2C_3C_6R_1R_2R_3R_6s^3 + R_1 + R_2 + R_3 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_6R_1R_2R_6 + C_3C_6R_1R_3R_6 + C_3C_6R_2R_3R_6\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3 + C_6R_1R_6 + C_6R_2R_6 + C_6R_2R_3R_6\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3 + C_6R_1R_6 + C_6R_2R_6 + C_6R_2R_3R_6\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 - C_5R_2R_3 + C_6R_1R_6 + C_6R_2R_6 + C_6R_2R_3R_6\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_4R_2R_3 + C_6R_1R_3R_6 + C_6R_2R_3R_6\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_3R_6 + C_4R_2R_3 + C_4R_3R_3 
9.652 X-INVALID-ORDER-652 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)
                                        \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{C_2C_3C_5R_1R_2R_3R_5s^3 + R_1 + R_2 + R_3 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_5R_1R_2R_5 + C_2C_5R_2R_3R_5 + C_3C_5R_1R_3R_5 + C_4C_5R_2R_3R_5\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_2R_3 + C_5R_1R_5 - C_5R_2R_3 + C_5R_2R_5 + C_5R_3R_5\right)}
9.653 X-INVALID-ORDER-653 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5R_1R_2R_3s + C_5R_1R_2}{C_2C_3C_5C_6R_1R_2R_3R_5s^3 + C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_2C_3C_6R_1R_2R_3 + C_2C_5C_6R_2R_3R_5 + C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3 + C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_4C_6R_2R_3 + C_5C_6R_1R_3 + C_5C_
9.654 X-INVALID-ORDER-654 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
                            \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_5C_6R_1R_2R_3 + C_5C_6R_1R_3R_5 + C_5C_6R_1R_5 + C_
9.655 X-INVALID-ORDER-655 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
9.656 X-INVALID-ORDER-656 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                                                                                                                              H(s) = \frac{C_3C_5R_1R_2R_3R_5s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_5R_1R_2R_5\right)}{C_2C_3C_6R_1R_2R_3R_5s^3 + s^2\left(C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_3C_6R_1R_3R_5 + C_4C_6R_2R_3R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}
9.657 X-INVALID-ORDER-657 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                             H(s) = \frac{C_3C_5C_6R_1R_2R_3R_5R_6s^3 + R_1R_2 + s^2\left(C_3C_5R_1R_2R_3R_5 + C_3C_6R_1R_2R_3R_6 + C_5C_6R_1R_2R_5R_6\right) + s\left(C_3R_1R_2R_3 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{C_2C_3C_6R_1R_2R_3R_5s^3 + s^2\left(C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_3 + C_6R_2R_3 + C_6R_3R_5\right)}
9.658 X-INVALID-ORDER-658 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
                             \frac{C_{3}C_{5}R_{1}R_{2}R_{3}R_{5}R_{6}s^{2}+R_{1}R_{2}R_{6}+s\left(C_{3}R_{1}R_{2}R_{3}R_{6}+C_{5}R_{1}R_{2}R_{5}R_{6}\right)}{C_{2}C_{3}C_{6}R_{1}R_{2}R_{3}R_{5}+S_{6}+C_{2}C_{6}R_{1}R_{2}R_{5}R_{6}+C_{2}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{3}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{4}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{5}+C_{5}C_{6}R_{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_3C_5R_1R_2R_3R_5R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_5R_1R_2R_5R_6\right)
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9.659 X-INVALID-ORDER-659 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, R_6\right)$ $H(s) = \frac{C_3C_4R_1R_2R_3R_4R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_4R_1R_2R_4R_6\right)}{C_2C_3C_4R_1R_2R_3R_4R_5s^3 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_2C_3R_1R_2R_3R_5 + C_2C_4R_1R_2R_4R_5 + C_2C_4R_1R_3R_4R_5 + C_3C_4R_1R_3R_4R_5 + C_3C_4R_1R_3R_4 + C_3C_4R_1R_3R_4$

9.660 X-INVALID-ORDER-660 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

 $C_3C_4R_1R_2R_3R_4s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_4R_1R_2R_4\right)$

 $C_{3}C_{4}R_{1}R_{2}R_{3}R_{4}S + R_{1}R_{2} + S(C_{3}R_{1}R_{2}R_{3} + C_{4}R_{1}R_{2}R_{4})$ $C_{2}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}S^{4} + S^{3}(C_{2}C_{3}C_{6}R_{1}R_{2}R_{3}R_{5} + C_{2}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}F_{5} + C_{3}C_{4}C_{6}R_{2}R_{3}R_{4}F_{5} + C_{3}C_{6}R_{2}R_{3}R_{5} + C_{3}C_{6}R_{2}R_{3}R_{5} + C_{4}C_{6}R_{1}R_{4}R_{5} - C_{4}C_{6}R_{2}R_{3}R_{4} + C_{4}C_{6}R_{2}R_{3}R_{4}F_{5} + C_{5}C_{6}R_{2}R_{3}R_{5} + C_{5}C_{6}R_{5}R_{5}R_{5} + C_{5}C_{6}R_{5}R_{5}R_{5} + C_{5}C_{6}R_{5}R_{5}R_{5} + C_{5}C_{6}R_{5}R_{5}R_{5} + C_{5}C_{6}R_{5}R_{5}R_{5} + C$

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9.661 X-INVALID-ORDER-661 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_4C_6R_1R_2R_3R_4R_6s^3 + R_1R_2 + s^2\left(C_3C_4R_1R_2R_3R_4 + C_3C_6R_1R_2R_3R_6 + C_4C_6R_1R_2R_4R_6\right) + s\left(C_3R_1R_2R_3 + C_4R_1R_2R_4 + C_6R_1R_2R_6\right)}{C_2C_3C_4C_6R_1R_2R_3R_4R_5s^4 + s^3\left(C_2C_3C_6R_1R_2R_3R_5 + C_2C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_2R_3R_4R_5 + C_3C_4C_6R_1R_3R_4R_5 + C_3C_4C_6R_1R_2R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_1
9.662 X-INVALID-ORDER-662 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
                                                \overline{C_2C_3C_4C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_2C_3C_4R_1R_2R_3R_4R_5 + C_2C_4C_6R_1R_2R_4R_5R_6 + C_2C_4C_6R_1R_3R_4R_5R_6 + C_3C_4C_6R_2R_3R_4R_5R_6 + C_3C_4C_6R_3R_4R_5R_5R_5 + C_3C_4C_6R_3R_4R_5R_5 + C_3C_4C_6R_3R_4R_5R_5 + C_3C_4C_6R_3R_4R_5R_5 + C_3C_4C_6R_3R_4R_5R_5 + C_3C_4C_6R_3R_4R_5R_5 + C_3C_4C_6R_3R_4R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_5C_5R_5R_5R_5 + C_3C_5C_5R_5R_5R_5 + C_3C_5C_5R_5R_5R_5 + C_3C_5C_5R_5R_5R_5 + C_3C_5C_5R_5R_5R_5 + C_3C_5
9.663 X-INVALID-ORDER-663 Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_2R_6s + s^2\left(C_3C_5R_1R_2R_3R_6 + C_4C_5R_1R_2R_4R_6\right)}{C_2C_3C_4R_1R_2R_3R_4s^3 + R_1 + R_2 + R_3 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_4R_1R_2R_4 + C_3C_4R_1R_3R_4 + C_3C_4R_1R_3R_4 + C_3C_4R_1R_3R_4 + C_3C_4R_1R_3R_4 + C_3C_4R_1R_3R_4 + C_3C_4R_1R_3R_4 + C_4C_5R_2R_3R_4\right) + s\left(C_2R_1R_2 + C_2R_2R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_1R_4 + C_4R_2R_3 + C_4R_1R_4 + C_4R_2R_4 + C_4R_3R_4 + C_5R_2R_3\right)}{C_3C_3C_4R_1R_2R_3R_4s^3 + R_1 + R_2 + R_3 + s^2\left(C_3C_3R_1R_2R_3 + C_3C_4R_1R_3R_4 + C_3C_
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9.664 X-INVALID-ORDER-664 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

9.665 X-INVALID-ORDER-665 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_3R_4 + C_3C_5C_6R_1R_2R_3R_6 + C_4C_5C_6R_1R_2R_4R_6\right) + s\left(C_3C_5R_1R_2R_3 + C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_6\right)}{C_2C_3C_4C_6R_1R_2R_3R_4s^3 + C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_2C_3C_6R_1R_2R_3 + C_2C_4C_6R_1R_2R_4 + C_3C_4C_6R_1R_3R_4 + C_3C_4$

9.666 X-INVALID-ORDER-666 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_3}{C_2C_3C_4C_6R_1R_2R_3R_4R_6s^4 + R_1 + R_2 + R_3 + s^3\left(C_2C_3C_4R_1R_2R_3R_4 + C_2C_3C_6R_1R_2R_3R_6 + C_2C_4C_6R_2R_3R_4R_6 + C_3C_4C_6R_2R_3R_4R_6 + C_3C_4C_6R_3R_3R_4R_6 + C_3C_4C_6R_3R_3R_4 + C_3C_4C_6R$

9.667 X-INVALID-ORDER-667 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_5s^4}{C_2C_3C_4C_5R_1R_2R_3R_4R_5s^4 + R_1 + R_2 + R_3 + s^3\left(C_2C_3C_4R_1R_2R_3R_4 + C_2C_3C_5R_1R_2R_3R_4 + C_2C_4C_5R_1R_2R_3R_4 + C_2C_4C_5R_1R_2R_3R_4 + C_2C_4C_5R_1R_2R_3R_4 + C_2C_4R_1R_2R_3 + C_2C_4R_1R_2$

9.668 X-INVALID-ORDER-668 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $\overline{C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_2C_3C_4C_6R_1R_2R_3R_4 + C_2C_3C_5C_6R_1R_2R_3R_4 + C_2C_4C_5C_6R_1R_2R_3R_4R_5 + C_3C_4C_5C_6R_1R_3R_4R_5 + C_3C_4C_5C_6R_1R_3R_4 + C_3C_4C_5C_6R_1R_3R_4 + C_3C_4C_5C_6R_1R_3R_5 + C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_5C_6R_1R_5C_5C_5C_5$

9.669 X-INVALID-ORDER-669 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

9.670 X-INVALID-ORDER-670 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

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9.671 X-INVALID-ORDER-671 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)
H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_6 + s^2\left(C_3C_4R_1R_2R_3R_4R_6 + C_3C_5R_1R_2R_3R_5R_6 + C_4C_5R_1R_2R_3R_6 + C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}{C_2C_3C_4R_1R_2R_3R_4R_5s^3 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_2C_3R_1R_2R_3R_4R_5 + C_2C_4R_1R_2R_4R_5 + C_3C_4R_1R_3R_4R_5 + C_3C_4R_1R_2R_3R_4R_5\right) + s\left(C_3R_1R_2R_3R_6 + C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}
9.672 X-INVALID-ORDER-672 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                   \frac{C_{3}C_{4}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}s^{3}+R_{1}R_{2}+s^{2}\left(C_{3}C_{4}R_{1}R_{2}R_{3}R_{4}+C_{3}C_{5}R_{1}R_{2}R_{3}R_{5}+C_{4}C_{5}R_{1}R_{2}R_{3}R_{5}+C_{4}C_{5}R_{1}R_{2}R_{3}R_{4}+C_{5}R_{1}R_{2}R_{4}+C_{5}R_{1}R_{2}R_{5}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}R_{1}R_{2}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C_{4}C_{6}R_{1}R_{3}R_{5}+C
9.673 X-INVALID-ORDER-673 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_5F_6s^4 + R_1R_2 + s^3\left(C_3C_4C_5R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_2R_3R_4F_6 + C_4C_5C_6R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_3C_6R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_3C_6R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_5 +
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9.674 X-INVALID-ORDER-674 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{C_2C_3C_4C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_2C_3C_4R_1R_2R_3R_4R_5 + C_2C_4C_6R_1R_2R_3R_4R_5R_6 + C_2C_4C_6R_1R_3R_4R_5R_6 + C_3C_4C_6R_1R_3R_4R_5R_6 + C_3C_4C_6R_2R_3R_4R_5R_6 + C_3C_4C_6R_3R_3R_4R_5R_6 + C_3C_4C_6R_3R_3R_5R_6 + C_3C_4C_6R_3R_5R_5 + C_3C_4C_6R_3R_5R_5 + C_3C_5$

9.675 X-INVALID-ORDER-675 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_3 R_4 s + R_1 R_2 R_4}{C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + s^2 \left(C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5 + C_3 C_6 R_1 R_3 R_4 R_5 + C_4 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$

9.676 X-INVALID-ORDER-676 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_3R_4R_6s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_1R_3R_4R_5 + C_4C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$

9.677 X-INVALID-ORDER-677 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6}{C_2C_3C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + C_2C_6R_1R_2R_4R_5R_6 + C_3C_6R_1R_3R_4R_5R_6 + C_3C_6R_2R_3R_4R_5R_6 + C_4C_6R_2R_3R_4R_5R_6 + C_4C_6R_2R_3R_4R_5 + C_4C_6R_2R_5R_5R_5 + C_4C_6R_5R_5R_5R_5 + C_4C_6R_5R_5R_5R_5 + C_4C_6R_5R_5R_5R_5 + C_4C_6R_5R_5R_5R_5 + C$

9.678 X-INVALID-ORDER-678 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{6}s^{2}+C_{5}R_{1}R_{2}R_{3}R_{4}R_{6}s^{2}+C_{5}R_{1}R_{2}R_{4}R_{6}s}{C_{2}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{2}R_{3}+C_{2}C_{6}R_{1}R_{$

9.679 X-INVALID-ORDER-679 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{C_2C_3C_5R_1R_2R_3R_4R_5s^3 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_5R_1R_2R_4R_5 + C_3C_5R_1R_3R_4R_5 + C_4C_5R_2R_3R_4R_5\right) + s\left(C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 + C_4R_3R_4R_4 + C_4R_2R_3R_4 + C_4R_2R_3R_4 + C_4R_3R_4R_4 + C_4R_2R_3R_4 + C_4R_2R_3R_4 + C_4R_2R_3R_4 + C_4R_2R_3R_4 + C_4R_3R_4R_4 + C_4R_2R_3R_4 + C_4R_3R_4 + C_4R_3R_4$

9.680 X-INVALID-ORDER-680 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4$

 $\frac{C_3C_5R_1R_2R_3R_4R_5r^3 + C_6R_1R_4 + C_6R_2R_3 + C_6R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_$

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9.681 X-INVALID-ORDER-681 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_2C_3C_5C_6R_1R_2R_3R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_4R_5R_5 + C_4C_5C_6R_4R_5R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_5R_5R_5 + C_4C_5C_6R_5R_5 + C_5C_5C_6R_5R_5 + C_5C_5C_6R_5R_5 + C_5C_5C_6R_5R_5 + C_5C_5C_6R
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9.682 X-INVALID-ORDER-682 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}s^{4}+R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}+s^{3}\left(C_{2}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}R_{6}+C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}R_{6}+C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{3}C_{$

9.683 X-INVALID-ORDER-683 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)}{C_2C_3C_6R_1R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_3R_4 + C_6R_3R_4 + C_6R_3R_4 + C_6R_3R_4 + C_6R_3R_4 + C_6R_3R_4 + C_6R_$

9.684 X-INVALID-ORDER-684 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_4 + s^2\left(C_3C_5R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_4R_5R_6\right) + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_3R_4R_5s^3 + s^2\left(C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_1R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_3R_4 + C$

9.685 X-INVALID-ORDER-685 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6)$

9.686 X-INVALID-ORDER-686 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{R_2 R_4 R_6}{R_4 R_5 + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5\right)}$$

9.687 X-INVALID-ORDER-687 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2 R_4}{C_6 R_4 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5\right)}$$

9.688 X-INVALID-ORDER-688 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_2 R_4 R_6 s + R_2 R_4}{C_6 R_4 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5\right)}$$

9.689 X-INVALID-ORDER-689 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_2 R_4 R_6 s}{-C_1 C_5 C_6 R_2 R_3 R_4 R_6 s^3 + R_4 + s^2 \left(-C_1 C_5 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_6 + C_1 C_6 R_2 R_4 R_6 + C_1 C_6 R_3 R_4 R_6\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_6 R_4 R_6\right)}$$

9.690 X-INVALID-ORDER-690 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{C_{5}R_{2}R_{4}R_{6}s}{R_{4}+s^{3}\left(-C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{4}R_{5}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{2}R_{3}R_{5}+C_{1}C_{5}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{4}R_{6}+C_{1}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{5}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{2}R_{3}R_{6}+C_{1}C_{5}R_{2}R_{3}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{5}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{2}R_{3}R_{6}+C_{1}C_{5}R_{2}R_{3}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{5}R_{2}R_{3}R_{6}+C_{1}C_{5}$

9.691 X-INVALID-ORDER-691
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_2 R_4 R_5 s + R_2 R_4}{-C_1 C_5 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_2 R_4 R_5\right)}$$

9.692 X-INVALID-ORDER-692
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_2R_4R_5R_6s^2 + R_2R_4 + s\left(C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{-C_1C_5C_6R_2R_3R_4R_5s^3 + C_6R_4R_5s + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}$$

9.693 X-INVALID-ORDER-693
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$$

$$H(s) = \frac{C_5 R_2 R_4 R_5 R_6 s + R_2 R_4 R_6}{-C_1 C_5 C_6 R_2 R_3 R_4 R_5 R_6 s^3 + R_4 R_5 + s^2 \left(-C_1 C_5 R_2 R_3 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 R_6 + C_1 C_6 R_2 R_4 R_5 R_6 + C_1 C_6 R_2 R_4 R_5 R_6 \right) + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 + C_1 R_4 R_5 R_6 \right)}$$

9.694 X-INVALID-ORDER-694
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{R_2}{C_1 C_4 C_6 R_2 R_3 R_5 s^3 + C_6 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5 \right)}$$

9.695 X-INVALID-ORDER-695
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_6 R_2 R_6 s + R_2}{C_1 C_4 C_6 R_2 R_3 R_5 s^3 + C_6 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5 \right)}$$

9.696 X-INVALID-ORDER-696
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{R_2 R_6}{C_1 C_4 C_6 R_2 R_3 R_5 R_6 s^3 + R_5 + s^2 \left(C_1 C_4 R_2 R_3 R_5 - C_1 C_6 R_2 R_3 R_6 + C_1 C_6 R_2 R_5 R_6 + C_1 C_6 R_3 R_5 R_6\right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_6 R_5 R_6\right)}$$

9.697 X-INVALID-ORDER-697
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & R_3, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$$

$$H(s) = \frac{C_5 R_2 R_6 s}{s^3 \left(C_1 C_4 C_6 R_2 R_3 R_6 - C_1 C_5 C_6 R_2 R_3 R_6\right) + s^2 \left(C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3 + C_1 C_6 R_2 R_6 + C_1 C_6 R_3 R_6\right) + s \left(C_1 R_2 + C_1 R_3 + C_6 R_6\right) + 1}$$

9.698 X-INVALID-ORDER-698
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_1 C_4 C_5 R_2 R_3 R_5 s^3 + s^2 \left(C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3 + C_1 C_5 R_2 R_5 + C_1 C_5 R_3 R_5\right) + s \left(C_1 R_2 + C_1 R_3 + C_5 R_5\right) + 1}$$

9.699 X-INVALID-ORDER-699
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_2}{C_1 C_4 C_5 C_6 R_2 R_3 R_5 s^3 + C_6 + s^2 \left(C_1 C_4 C_6 R_2 R_3 - C_1 C_5 C_6 R_2 R_3 + C_1 C_5 C_6 R_2 R_5 + C_1 C_5 C_6 R_3 R_5\right) + s \left(C_1 C_6 R_2 + C_1 C_6 R_3 + C_5 C_6 R_5\right)}$$

9.700 X-INVALID-ORDER-700
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_2R_6s + C_5R_2}{C_1C_4C_5C_6R_2R_3R_5s^3 + C_6 + s^2\left(C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_3R_5\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_5C_6R_5\right)}$$

9.701 X-INVALID-ORDER-701 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_2 R_6 s}{C_1 C_4 C_5 C_6 R_2 R_3 R_5 R_6 s^4 + s^3 \left(C_1 C_4 C_5 R_2 R_3 R_5 + C_1 C_4 C_6 R_2 R_3 R_6 + C_1 C_5 C_6 R_2 R_3 R_6 + C_1 C_5 C_6 R_2 R_3 R_6 + C_1 C_5 C_6 R_2 R_3 R_5 + C_1 C_5 R_2 R_3 + C_1 C_5 R_2 R_5 + C_1 C_5 R_5 R_5 + C_1 C_5 R_$

9.702 X-INVALID-ORDER-702 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_5 s + R_2}{C_6 R_5 s + s^3 \left(C_1 C_4 C_6 R_2 R_3 R_5 - C_1 C_5 C_6 R_2 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5\right)}$$

9.703 X-INVALID-ORDER-703 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_5R_6s^2 + R_2 + s\left(C_5R_2R_5 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5\right)}$$

9.704 X-INVALID-ORDER-704 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5 + s^3 \left(C_1 C_4 C_6 R_2 R_3 R_5 R_6 - C_1 C_5 C_6 R_2 R_3 R_5 R_6\right) + s^2 \left(C_1 C_4 R_2 R_3 R_5 - C_1 C_5 R_2 R_3 R_5 - C_1 C_6 R_2 R_3 R_6 + C_1 C_6 R_2 R_5 R_6\right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_6 R_5 R_6\right)}$$

9.705 X-INVALID-ORDER-705 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4 R_2 R_4 s + R_2}{C_6 R_5 s + s^3 \left(-C_1 C_4 C_6 R_2 R_3 R_4 + C_1 C_4 C_6 R_2 R_3 R_5 + C_1 C_4 C_6 R_2 R_4 R_5 + C_1 C_4 C_6 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5 + C_4 C_6 R_4 R_5\right)}$$

9.706 X-INVALID-ORDER-706 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_6R_2R_4R_6s^2 + R_2 + s\left(C_4R_2R_4 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(-C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_4C_6R_4R_5\right)}$$

9.707 X-INVALID-ORDER-707 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_4 R_2 R_4 R_6 s + R_2 R_6}{R_5 + s^3 \left(-C_1 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_4 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_4 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_6 + C_1 C_6 R_2 R_5 R_6 + C_1 C_6 R_5 R_6 R_5 R_6 + C_1 C_6 R_5 R_5 R_6 + C_1 C_6 R_5 R_6 R_5 R_6 + C_1$$

9.708 X-INVALID-ORDER-708 $Z(s) = \left(\frac{1}{C_{1}s}, R_2, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$

$$H(s) = \frac{C_4C_5R_2R_4R_6s^2 + C_5R_2R_6s}{-C_1C_4C_5R_2R_3R_4s^3 + s^2\left(C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_4R_3R_4 - C_1C_5R_2R_3\right) + s\left(C_1R_2 + C_1R_3 + C_4R_4\right) + 1}$$

9.709 X-INVALID-ORDER-709 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5R_2R_4s + C_5R_2}{-C_1C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_4C_6R_4\right)}$$

9.710 X-INVALID-ORDER-710 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5C_6R_2R_4R_6s^2 + C_5R_2 + s\left(C_4C_5R_2R_4 + C_5C_6R_2R_6\right)}{-C_1C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_4C_6R_4\right)}$$

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9.711 X-INVALID-ORDER-711 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_4C_5R_2R_4R_6s^2 + C_5R_2R_6s}{-C_1C_4C_5C_6R_2R_3R_4R_6s^4 + s^3\left(-C_1C_4C_5R_2R_3R_4 + C_1C_4C_6R_2R_3R_6 + C_1C_4C_6R_2R_4R_6 + C_1C_4C_6R_2R_3R_6 + C_1C_4C_6R_2R_3R_6 + C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_4R_3R_4 - C_1C_5R_2R_3 + C_1C_6R_3R_6 + C_4C_6R_3R_6 + C_4C_6R_4R_6\right) + s\left(C_1R_2 + C_1R_3 + C_4R_4R_6 + C_4C_6R_3R_4 + C_4C_6R_4R_4 + C_4C_6R_4R$

9.712 X-INVALID-ORDER-712 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_6s^2 + C_5R_2R_6s}{s^3\left(-C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_4C_5R_3R_4R_5\right) + s^2\left(C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_4R_3R_4 - C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_3R_5 + C_4C_5R_4R_5\right) + s\left(C_1R_2 + C_1R_3 + C_4R_4 + C_5R_5\right) + 1}$

9.713 X-INVALID-ORDER-713 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_2R_4s + C_5R_2}{C_6 + s^3\left(-C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_4C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_3R_5 + C_4C_5C_6R_4R_5\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_4C_6R_4 + C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_4C_5C_6R_4R_5\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_4C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_4C_5C_6R_3R_5 + C_4C_5C_6R_5R_5 + C_4C_5C_6R_5R_$

9.714 X-INVALID-ORDER-714 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_2R_4R_6s^2 + C_5R_2 + s\left(C_4C_5R_2R_4 + C_5C_6R_2R_6\right)}{C_6 + s^3\left(-C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_3R_5 + C_4C_5C_6R_4R_5\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_4C_6R_4R_5\right) + s\left(C_1C_6R_4 + C_4C_6R_4 + C_4C_6R_4\right) + s\left(C_1C_6R_4 + C_4C_6R_4 + C_4C_6R_4\right) + s\left(C_1C_6R_4 + C_4C_6R_4 + C_4C_6R_4\right) + s\left(C_1C_6R_4 + C_4C_6R_4R_5\right) + s\left(C_1C_6R_4 + C_4C_6R_4 + C_4C_6R_4\right) + s\left(C_1C_6R_4 + C_4C_6R_4\right) +$

9.715 X-INVALID-ORDER-715 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_2R_4}{s^4\left(-C_1C_4C_5C_6R_2R_3R_4R_6 + C_1C_4C_5C_6R_2R_3R_5R_6 + C_1C_4C_5C_6R_2R_4R_5R_6 + C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_6 + C_1C_4C_6R_2R_3R_6 + C_1C_4C_6R_2R_4R_6 + C_1C_4C_6R_4R_4R_6 + C_$

9.716 X-INVALID-ORDER-716 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_5R_6s^2 + R_2R_6 + s\left(C_4R_2R_4R_6 + C_5R_2R_5R_6\right)}{-C_1C_4C_5R_2R_3R_4R_5s^3 + R_5 + s^2\left(-C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_4R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_2R_3R_5\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_4R_4R_5\right)}$

9.717 X-INVALID-ORDER-717 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_5s^2 + R_2 + s\left(C_4R_2R_4 + C_5R_2R_5\right)}{-C_1C_4C_5C_6R_2R_3R_4R_5s^4 + C_6R_5s + s^3\left(-C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 + C_1C_4C_6R$

9.718 X-INVALID-ORDER-718 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_2R_4R_5R_6s^3 + R_2 + s^2\left(C_4C_5R_2R_4R_5 + C_4C_6R_2R_4R_6 + C_5C_6R_2R_5R_6\right) + s\left(C_4R_2R_4 + C_5R_2R_5 + C_6R_2R_6\right)}{-C_1C_4C_5C_6R_2R_3R_4R_5s^4 + C_6R_5s + s^3\left(-C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_4C_6R_4R_5\right)}$

9.719 X-INVALID-ORDER-719 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_5R_6s^2 + R_2R_6 + s\left(C_4R_2R_4R_6 + C_5R_2R_5R_6\right)}{-C_1C_4C_5C_6R_2R_3R_4R_5R_6s^4 + R_5 + s^3\left(-C_1C_4C_5R_2R_3R_4R_5 - C_1C_4C_6R_2R_3R_5R_6 + C_1C_4C_6R_2R_3R_5R_6 + C_1C_4C_6R_2R_3R_5R_6\right) + s^2\left(-C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_3R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_5R_5 + C_1C_4R_5R_5 + C_1C_4R_5R_5 + C_1C_4R_5R_5 + C_1C_4R_5R_5 + C_1C_4R_5$

9.720 X-INVALID-ORDER-720 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2 R_4}{C_1 C_4 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5\right)}$$

9.721 X-INVALID-ORDER-721 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6R_2R_4R_6s + R_2R_4}{C_1C_4C_6R_2R_3R_4R_5s^3 + C_6R_4R_5s + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}$$

9.722 X-INVALID-ORDER-722 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{R_2 R_4 R_6}{C_1 C_4 C_6 R_2 R_3 R_4 R_5 R_6 s^3 + R_4 R_5 + s^2 \left(C_1 C_4 R_2 R_3 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 R_6 + C_1 C_6 R_2 R_3 R_5 R_6 + C_1 C_6 R_2 R_4 R_5 R_6\right) + s \left(-C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 \right)}$$

9.723 X-INVALID-ORDER-723 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

$$H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^3 \left(C_1 C_4 C_6 R_2 R_3 R_4 R_6 - C_1 C_5 C_6 R_2 R_3 R_4 R_6\right) + s^2 \left(C_1 C_4 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_6 + C_1 C_6 R_2 R_4 R_6\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_6 R_4 R_6\right)}$$

9.724 X-INVALID-ORDER-724 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_2 R_4 R_6 s}{C_1 C_4 C_5 R_2 R_3 R_4 R_5 s^3 + R_4 + s^2 \left(C_1 C_4 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4 + C_1 C_5 R_2 R_3 R_5 + C_1 C_5 R_2 R_4 R_5 + C_1 C_5 R_3 R_4 R_5\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_5 R_4 R_5\right)}{c_1 C_4 C_5 R_2 R_3 R_4 R_5 s^3 + R_4 + s^2 \left(C_1 C_4 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4 + C_1 C_5 R_2 R_3 R_5 + C_1 C_5 R_2 R_4 R_5\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_5 R_4 R_5\right)}$$

9.725 X-INVALID-ORDER-725 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_4}{C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 + s^2 \left(C_1 C_4 C_6 R_2 R_3 R_4 - C_1 C_5 C_6 R_2 R_3 R_4 + C_1 C_5 C_6 R_2 R_3 R_5 + C_1 C_5 C_6 R_2 R_4 R_5 \right) + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_3 R_4 + C_5 C_6 R_4 R_5 \right)}$$

9.726 X-INVALID-ORDER-726 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{C_1C_4C_5C_6R_2R_3R_4R_5s^3 + C_6R_4 + s^2\left(C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_5 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_3R_4R_5\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_5C_6R_4R_5\right)}$$

9.727 X-INVALID-ORDER-727 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_2 R_4 R_6 s}{C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 s^4 + R_4 + s^3 \left(C_1 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_2 R_3 R_4 R_6 + C_1 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_5 R_2 R_3 R_4 + C_1 C_5 R_4 R_5 + C_1 C_5 R_4 R_5 R_5 + C_1 C_5 R_4 R_5 + C_1 C_5 R_5 R_5 + C_1 C_5 R_5$$

9.728 X-INVALID-ORDER-728 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_5 R_2 R_4 R_5 s + R_2 R_4}{C_6 R_4 R_5 s + s^3 \left(C_1 C_4 C_6 R_2 R_3 R_4 R_5 - C_1 C_5 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5\right)}$$

9.729 X-INVALID-ORDER-729 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_4R_5R_6s^2 + R_2R_4 + s\left(C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right)}$$

9.730 X-INVALID-ORDER-730 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_2 R_4 R_5 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^3 \left(C_1 C_4 C_6 R_2 R_3 R_4 R_5 R_6 - C_1 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_5 R_2 R_3 R_4 R_5 - C_1 C_5 R_2 R_3 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 R_5 + C_1 C_6 R_2 R_3 R_4 R_5 + C_1 C_6 R_2 R_3 R_4 R_5 + C_1 R_2 R_4 R_5 + C_1 R_$$

9.731 X-INVALID-ORDER-731
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{C_1 C_3 R_2 R_4 R_5 s - C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5}$$

9.732 X-INVALID-ORDER-732
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_2 R_4}{C_1 C_3 C_6 R_2 R_4 R_5 s^2 + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5\right)}$$

9.733 X-INVALID-ORDER-733
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{C_1C_3C_6R_2R_4R_5s^2 + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.734 X-INVALID-ORDER-734
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_2 R_4 R_6 s}{C_1 R_2 + C_1 R_4 + C_3 R_4 + s \left(C_1 C_3 R_2 R_4 - C_1 C_5 R_2 R_4\right)}$$

9.735 X-INVALID-ORDER-735
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_5 R_2 R_4}{C_1 C_6 R_2 + C_1 C_6 R_4 + C_3 C_6 R_4 + s \left(C_1 C_3 C_6 R_2 R_4 - C_1 C_5 C_6 R_2 R_4\right)}$$

9.736 X-INVALID-ORDER-736
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

9.737 X-INVALID-ORDER-737
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$C_3C_5R_2R_4R_6s$$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1C_3C_5C_6R_2R_4R_5R_6s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_5R_2R_4R_6 - C_1C_5C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6 + C_1C_5C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_4R_5 + C_1C_5R_5R_5 + C_1C_5$$

9.738 X-INVALID-ORDER-738 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5\right)}$$

9.739 X-INVALID-ORDER-739
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_2R_4R_5s + C_3R_2R_4}{s^2\left(C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.740 X-INVALID-ORDER-740
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_5R_6s^2 + C_3R_2R_4 + s\left(C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.741 X-INVALID-ORDER-741
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_3 R_2 R_6}{-C_1 R_2 + C_1 R_5 + C_3 R_5 + s \left(C_1 C_3 R_2 R_5 + C_1 C_4 R_2 R_5\right)}$$

9.742 X-INVALID-ORDER-742
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_2}{s^2 \left(C_1 C_3 C_6 R_2 R_5 + C_1 C_4 C_6 R_2 R_5\right) + s \left(-C_1 C_6 R_2 + C_1 C_6 R_5 + C_3 C_6 R_5\right)}$$

9.743 X-INVALID-ORDER-743
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_2R_6s + C_3R_2}{s^2\left(C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.744 X-INVALID-ORDER-744
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_2 R_6 s}{C_1 + C_3 + s \left(C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 \right)}$$

9.745 X-INVALID-ORDER-745
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_5 R_2}{C_1 C_6 + C_3 C_6 + s \left(C_1 C_3 C_6 R_2 + C_1 C_4 C_6 R_2 - C_1 C_5 C_6 R_2\right)}$$

9.746 X-INVALID-ORDER-746
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s\left(C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2\right)}$$

9.747 X-INVALID-ORDER-747
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5 + \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_3C_5C_6R_2R_5R_6 + C_1C_4C_5C_6R_2R_5R_6\right) + s^2\left(C_1C_3C_5R_2R_5 + C_1C_3C_6R_2R_6 + C_1C_4C_5R_2R_5 + C_1C_4C_6R_2R_6 + C_1C_5C_6R_5R_6\right) + s\left(C_1C_3R_2 + C_1C_5R_2 + C_1C_5R_5 + C_1C_6R_6 + C_3C_5R_5 + C_1C_6R_5R_6\right)}$$

9.748 X-INVALID-ORDER-748 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_5R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s\left(C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5\right)}$$

9.749 X-INVALID-ORDER-749 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_5s + C_3R_2}{s^2\left(C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.750 X-INVALID-ORDER-750
$$Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_2R_5R_6s^2 + C_3R_2 + s\left(C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^2\left(C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.751 X-INVALID-ORDER-751 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4R_2R_4s + C_3R_2}{C_1C_3C_4C_6R_2R_4R_5s^3 + s^2\left(C_1C_3C_6R_2R_5 - C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_3C_4C_6R_4R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.752 X-INVALID-ORDER-752 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_6R_2R_4R_6s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_6R_2R_6\right)}{C_1C_3C_4C_6R_2R_4R_5s^3 + s^2\left(C_1C_3C_6R_2R_5 - C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_3C_4C_6R_4R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.753 X-INVALID-ORDER-753 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4R_2R_4R_6s + C_3R_2R_6}{C_1C_3C_4C_6R_2R_4R_5R_6s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_2R_4R_5 + C_1C_3C_6R_2R_5R_6 - C_1C_4C_6R_2R_4R_6 + C_1C_4C_6R_2R_5R_6 + C_1C_4C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 - C_1C_6R_2R_6 + C_1C_4C_6R_2R_5R_6 + C_1C_4C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 - C_1C_6R_2R_6 + C_1C_4C_6R_4R_5R_6\right) + s\left(C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_4R_5 - C_1C_6R_2R_6 + C_1C_4C_6R_4R_5R_6\right) + s\left(C_1C_3R_4R_5R_6 + C_1C_4R_4R_5 - C_1C_4$$

9.754 X-INVALID-ORDER-754 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_3C_4C_6R_2R_4R_6 - C_1C_4C_5C_6R_2R_4 + C_1C_3C_6R_2R_6 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_4R_6\right) + s\left(C_1C_3R_2 + C_1C_4R_2 + C_1C_4R_2 + C_1C_4R_4 - C_1C_5R_2 + C_1C_4R_4 + C_1C_5R_4 + C_1C_4C_6R_4R_6\right) + s\left(C_1C_3R_4R_6 + C_1C_4C_6R_4R_6 - C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6 - C_1C_4C_6R_4R_6\right) + s\left(C_1C_3R_4 + C_1C_4R_4 + C_1C_5R_4 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6\right) + s\left(C_1C_3R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6\right) + s\left(C_1C_3R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6\right) + s\left(C_1C_3R_4R_6 + C_1C_4R_4R_6\right) + s\left(C_1C_3R_4R_6\right) + s\left(C_1C_3R_4R_$$

9.755 X-INVALID-ORDER-755 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1C_3C_4C_5R_2R_4R_5s^3 + C_1 + C_3 + s^2\left(C_1C_3C_4R_2R_4 + C_1C_3C_5R_2R_5 - C_1C_4C_5R_2R_4 + C_1C_4C_5R_2R_5 + C_1C_4C_5R_4R_5 + C_3C_4C_5R_4R_5\right) + s\left(C_1C_3R_2 + C_1C_4R_2 + C_1C_4R_4 - C_1C_5R_2 + C_1C_5R_5 + C_3C_4R_4 + C_3C_5R_5\right)}$$

9.756 X-INVALID-ORDER-756 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5R_2R_4s + C_3C_5R_2}{C_1C_3C_4C_5C_6R_2R_4R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_4 + C_1C_3C_5C_6R_2R_5 - C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_4R_5\right) + s\left(C_1C_3C_6R_2 + C_1C_4C_6R_2 + C_1C_4C_6R_2 + C_1C_5C_6R_2 + C_1C_5C_6R_2$$

9.757 X-INVALID-ORDER-757 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_2R_4R_6s^2 + C_3C_5R_2 + s\left(C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_6\right)}{C_1C_3C_4C_5C_6R_2R_4R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_4 + C_1C_3C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_4R_5\right) + s\left(C_1C_3C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_1C_5C_6R_4 + C_3C_5C_6R_4\right)}$$

9.758 X-INVALID-ORDER-758 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_2R_4R_6s^4}{C_1C_3C_4C_5C_6R_2R_4R_5R_6s^4 + C_1 + C_3 + s^3\left(C_1C_3C_4C_5R_2R_4R_6 + C_1C_3C_5C_6R_2R_4R_6 + C_1C_4C_5C_6R_2R_4R_6 + C_1C_4C_5C_6R_4R_5R_6 + C_1C_4C_5C_6R_4R_5C_6R_5R_5R_6 + C_1C_4C_5C_6R_4R_5R_5R_5 + C_1C_4C_5C_6R_5R_5R_5R_5R_5 + C_1C_4C_5C_6R_5R_5R_5R_5 + C_1C_4C_5C_6R_5R_5R_5R_5 + C_1C_4C_5C_6R_5R_5R_5R_5 + C_1C_4C_5C_5R_5R_5R_5 + C_1C_4C_5C_5R_5$$

9.759 X-INVALID-ORDER-759 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & \frac{1}{C_3 s}, & R_4 + \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_4C_5R_2R_4R_5s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_5R_2R_5\right)}{s^3\left(C_1C_3C_4C_6R_2R_4R_5 - C_1C_4C_5C_6R_2R_4R_5\right) + s^2\left(C_1C_3C_6R_2R_5 - C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_3C_4C_6R_4R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.760 X-INVALID-ORDER-760 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_2R_4R_5R_6s^3 + C_3R_2 + s^2\left(C_3C_4C_5R_2R_4R_5 + C_3C_4C_6R_2R_4R_6 + C_3C_5C_6R_2R_5R_6\right) + s\left(C_3C_4R_2R_4 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_3C_4C_6R_2R_4R_5 - C_1C_4C_5R_2R_4R_5\right) + s^2\left(C_1C_3C_6R_2R_5 - C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 - C_1C_5C_6R_2R_5 + C_3C_4C_6R_4R_5\right) + s\left(C_3C_4R_2R_4 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}$$

9.761 X-INVALID-ORDER-761
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6 + s\left(C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6\right)$$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6 + s\left(C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_3C_4R_2R_4R_5R_6 - C_1C_4C_5R_2R_4R_5 + C_1C_3C_6R_2R_5R_6 - C_1C_4C_5R_2R_4R_5 - C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4$

9.762 X-INVALID-ORDER-762 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{-C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(C_1 C_3 R_2 R_4 R_5 + C_1 C_4 R_2 R_4 R_5\right)}$$

9.763 X-INVALID-ORDER-763 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3 R_2 R_4}{s^2 \left(C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_4 C_6 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5\right)}$$

9.764 X-INVALID-ORDER-764 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{s^2\left(C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.765 X-INVALID-ORDER-765 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3 C_5 R_2 R_4 R_6 s}{C_1 R_2 + C_1 R_4 + C_3 R_4 + s \left(C_1 C_3 R_2 R_4 + C_1 C_4 R_2 R_4 - C_1 C_5 R_2 R_4 \right)}$$

9.766 X-INVALID-ORDER-766 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

9.767 X-INVALID-ORDER-767 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

9.768 X-INVALID-ORDER-768 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$

$$C_3C_5R_2R_4R_6s$$

9.769 X-INVALID-ORDER-**769** $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5\right)}$$

9.770 X-INVALID-ORDER-770 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_2R_4R_5s + C_3R_2R_4}{s^2\left(C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

$$\textbf{9.771} \quad \textbf{X-INVALID-ORDER-771} \ \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s+1}, \ \frac{R_5}{C_5 R_5 s+1}, \ R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_5 C_6 R_2 R_4 R_5 R_6 s^2 + C_3 R_2 R_4 + s \left(C_3 C_5 R_2 R_4 R_5 + C_3 C_6 R_2 R_4 R_6\right)}{s^2 \left(C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_4 C_6 R_2 R_4 R_5 - C_1 C_5 C_6 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5\right)}$$

9.772 X-INVALID-ORDER-772 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{-C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(-C_1 C_3 R_2 R_3 R_4 + C_1 C_3 R_2 R_3 R_5 + C_1 C_3 R_2 R_4 R_5 + C_1 C_3 R_3 R_4 R_5\right)}$$

9.773 X-INVALID-ORDER-773 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_2 R_4}{s^2 \left(-C_1 C_3 C_6 R_2 R_3 R_4 + C_1 C_3 C_6 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_3 C_6 R_3 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5\right)}$$

9.774 X-INVALID-ORDER-774 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{s^2\left(-C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_3R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.775 X-INVALID-ORDER-775 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$C_3C_5R_2R_4R_6s$$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{-C_1C_3C_5C_6R_2R_3R_4R_6s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(-C_1C_3C_5R_2R_3R_4 + C_1C_3C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6\right) + s\left(C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 - C_1C_5R_2R_4 + C_1C_6R_4R_6 + C_3C_6R_4R_6\right)}$

9.776 X-INVALID-ORDER-776 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.777 X-INVALID-ORDER-777 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_5s + C_3R_2R_4}{-C_1C_3C_5C_6R_2R_3R_4R_5s^3 + s^2\left(-C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.778 X-INVALID-ORDER-778 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_5R_6s^2 + C_3R_2R_4 + s\left(C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{-C_1C_3C_5C_6R_2R_3R_4R_5s^3 + s^2\left(-C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.779 X-INVALID-ORDER-779 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6$$

$$H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1C_3C_5C_6R_2R_3R_4R_5R_6s^3 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + s^2\left(-C_1C_3C_5R_2R_3R_4R_5 - C_1C_3C_6R_2R_3R_4R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_5 + C_1C_3C_6R_2R_4R_5R_5 + C_1C_3C_6R_2R_4R_5R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5$$

9.780 X-INVALID-ORDER-780 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_2}{C_1 C_3 C_4 C_6 R_2 R_3 R_5 s^3 + s^2 \left(-C_1 C_3 C_6 R_2 R_3 + C_1 C_3 C_6 R_2 R_5 + C_1 C_3 C_6 R_3 R_5 + C_1 C_4 C_6 R_2 R_5\right) + s \left(-C_1 C_6 R_2 + C_1 C_6 R_5 + C_3 C_6 R_5\right)}$$

9.781 X-INVALID-ORDER-781 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_2R_6s + C_3R_2}{C_1C_3C_4C_6R_2R_3R_5s^3 + s^2\left(-C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.782 X-INVALID-ORDER-782 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_2 R_6}{C_1 C_3 C_4 C_6 R_2 R_3 R_5 R_6 s^3 - C_1 R_2 + C_1 R_5 + C_3 R_5 + s^2 \left(C_1 C_3 C_4 R_2 R_3 R_5 - C_1 C_3 C_6 R_2 R_3 R_6 + C_1 C_3 C_6 R_2 R_5 R_6 + C_1 C_4 C_6 R_2 R_5 R_6 \right) + s \left(-C_1 C_3 R_2 R_3 + C_1 C_3 R_2 R_5 + C_1 C_4 R_2 R_5 - C_1 C_6 R_2 R_6 + C_1 C_6 R_5 R_6 + C_3 C_6 R_5 R_6 \right)}$

9.783 X-INVALID-ORDER-783 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_3C_4C_6R_2R_3R_6 - C_1C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_3C_4R_2R_3 - C_1C_3C_5R_2R_3 + C_1C_3C_6R_2R_6 + C_1C_3C_6R_2R_6 + C_1C_4C_6R_2R_6 - C_1C_5C_6R_2R_6\right) + s\left(C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 - C_1C_5R_2 + C_1C_6R_6 + C_3C_6R_6\right)}$

9.784 X-INVALID-ORDER-784 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_6s}{C_1C_3C_4C_5R_2R_3R_5s^3 + C_1 + C_3 + s^2\left(C_1C_3C_4R_2R_3 - C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_2R_5 + C_1C_4C_5R_2R_5\right) + s\left(C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 - C_1C_5R_2 + C_1C_5R_5 + C_3C_5R_5\right)}$

9.785 X-INVALID-ORDER-785 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2}{C_1C_3C_4C_5C_6R_2R_3R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 + C_1C_5C_6R_2 + C_1C_5C_6R_2$

9.786 X-INVALID-ORDER-786 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_3C_4C_5C_6R_2R_3R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5\right) + s\left(C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_1C_5C_6R_5 + C_3C_5C_6R_5\right)}$$

9.787 X-INVALID-ORDER-787 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_6s}{C_1C_3C_4C_5C_6R_2R_3R_5R_6s^4 + C_1 + C_3 + s^3\left(C_1C_3C_4C_5R_2R_3R_5 + C_1C_3C_5C_6R_2R_3R_6 + C_1C_3C_5C_6R_2R_5R_6 + C_1C_3C_5C_6R_2R_5R_6 + C_1C_3C_5C_6R_2R_5R_6 + C_1C_3C_5C_6R_2R_5R_6 + C_1C_3C_5C_6R_2R_5R_6 + C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_3R_5 + C_1C_3C_5R_5R_5 + C_$

9.788 X-INVALID-ORDER-788 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_5s + C_3R_2}{s^3\left(C_1C_3C_4C_6R_2R_3R_5 - C_1C_3C_5C_6R_2R_3R_5\right) + s^2\left(-C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.789 X-INVALID-ORDER-789 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_5R_6s^2 + C_3R_2 + s\left(C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_3C_4C_6R_2R_3R_5 - C_1C_3C_5C_6R_2R_3R_5\right) + s^2\left(-C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.790 X-INVALID-ORDER-790 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_2R_5R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_3C_4C_6R_2R_3R_5R_6 - C_1C_3C_5C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_3C_4R_2R_3R_5 - C_1C_3C_5R_2R_3R_5 - C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_5R_6 - C_1C_5C_6R_2R_5R_6\right) + s\left(-C_1C_3R_2R_3R_5 - C_1C_3C_6R_2R_3R_5 - C_1C_3C_6R_3R_5 - C_1C_3C_5C_6R_3R_5 - C_1C_3C_5$$

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9.791 X-INVALID-ORDER-791 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4R_2R_4s + C_3R_2}{s^3\left(-C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_1C
9.792 X-INVALID-ORDER-792 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                          \frac{C_3C_4C_6R_2R_4R_6s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_6R_2R_6\right)}{s^3\left(-C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_3C_4C_6R_4R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
9.793 X-INVALID-ORDER-793 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_3C_4R_2R_4R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(-C_1C_3C_4C_6R_2R_3R_4R_6 + C_1C_3C_4C_6R_2R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_6\right) + s^2\left(-C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_4R_3R_4R_5 - C_1C_3C_4R_3R_4R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R
9.794 X-INVALID-ORDER-794 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                 H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{-C_1C_3C_4C_5R_2R_3R_4s^3 + C_1 + C_3 + s^2\left(C_1C_3C_4R_2R_3 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_3R_4 - C_1C_3C_5R_2R_3 - C_1C_4C_5R_2R_4\right) + s\left(C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 + C_1C_4R_4 - C_1C_5R_2 + C_3C_4R_4\right)}
9.795 X-INVALID-ORDER-795 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                     H(s) = \frac{C_3C_4C_5R_2R_4s + C_3C_5R_2}{-C_1C_3C_4C_5C_6R_2R_3R_4s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 - C_1C_3C_5C_6R_2R_4\right) + s\left(C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_3C_4C_6R_4\right)}
9.796 X-INVALID-ORDER-796 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                     H(s) = \frac{C_3C_4C_5C_6R_2R_4R_6s^2 + C_3C_5R_2 + s\left(C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_6\right)}{-C_1C_3C_4C_5C_6R_2R_3R_4s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_5C_6R_2R_3 - C_1C_4C_5C_6R_2R_4\right) + s\left(C_1C_3C_6R_3 + C_1C_4C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_3C_4C_6R_4\right)}
9.797 X-INVALID-ORDER-797 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s
H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_3R_4R_6s^2 + C_3C_5R_2R_6s}{-C_1C_3C_4C_5R_2R_3R_4R_6s^4 + C_1 + C_3 + s^3\left(-C_1C_3C_4C_5R_2R_3R_4 + C_1C_3C_4C_6R_2R_4R_6 + C_1C_3C_4C_6R_2R_4R_6 + C_1C_3C_4C_6R_2R_4R_6 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_3R_4 + C_1C_3C_4
9.798 X-INVALID-ORDER-798 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s
H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(-C_1C_3C_4C_5R_2R_3R_4 + C_1C_3C_4C_5R_2R_3R_5 + C_1C_3C_4C_5R_2R_4R_5 + C_1C_3C_4R_2R_3 + C_1C_3C_4R_2R_4 + C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_2R_5 + C_1C_4C_5R_2R_4 + C_1C_4C_5R_4R_5 
9.799 X-INVALID-ORDER-799 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_3C_4C_5R_2R_4s + C_3C_5R_2
9.800 X-INVALID-ORDER-800 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_4C_5C_6R_2R_3R_4 + C_1C_3C_4C_5R_2R_3R_4 + C_1C_3C_4C_5R_2R_3R_5 + C_1C_3C_4C_5R_2R_4R_5 + C_1C_3C_4C_5R_3R_4R_5) + s^2\left(C_1C_3C_4C_6R_2R_3 + C_1C_3C_4C_6R_2R_3 + C_1C_3C_4C_5R_2R_3 + C_1C_3C_4C_5R_3R_4 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_4C_5R_3R_5$

 $C_3C_4C_5C_6R_2R_4R_6s^2 + C_3C_5R_2 + s(C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_6)$

9.802 X-INVALID-ORDER-802 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6 + s\left(C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6\right)}{-C_1C_3C_4C_5R_2R_3R_4R_5s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(-C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_$

9.803 X-INVALID-ORDER-803 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_5s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_5R_2R_5\right)}{-C_1C_3C_4C_5R_2R_3R_4 + S^4 + s^3\left(-C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5\right) + s^2\left(-C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_3R_3 + C_1C_3C_6R_3R_3$

9.804 X-INVALID-ORDER-804 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_2R_4R_5R_6s^3 + C_3R_2 + s^2\left(C_3C_4C_5R_2R_4R_5 + C_3C_4C_6R_2R_4R_6 + C_3C_5C_6R_2R_5R_6\right) + s\left(C_3C_4R_2R_4 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{-C_1C_3C_4C_5C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s^2\left(-C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_$

9.805 X-INVALID-ORDER-805 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6s^4 - C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(-C_1C_3C_4C_5R_2R_3R_4R_5 - C_1C_3C_4C_6R_2R_3R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_6R_2R_3R_5R_6 - C_1C_3C_4C_6R_2R_3R_4R_5 - C_1C_3C_4C_6R_2R_4R_5R_5 - C_1C_3C_4C_6R_2R_4R_5 - C_1C_3C_4C_6R_4R_5R_5 - C_1C_3C_4C_6R_5R_5R_5 - C_1C_3C_4C_5R_5R_5R_5 - C_1C_3C_4C_5R_5R_5R_5 - C_1C_3C_4C_5R_5R_5R_5 - C_1C_3C_4C_5R_5R_5R_5 - C_1C_3C_5C_5R_5R_5R_5 - C_1C_3C_5C_5R_5R_5R_5 - C_1C_3C_5C_5R_5R_5R_5 - C_1C_3C_5C_5R_5R_5R_5 - C_1C_3C_5C_5R_5R_5$

9.806 X-INVALID-ORDER-806 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_2 R_4}{C_1 C_3 C_4 C_6 R_2 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_3 C_6 R_2 R_3 R_4 + C_1 C_3 C_6 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_4 C_6 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5\right)}$

9.807 X-INVALID-ORDER-807 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{C_1C_3C_4C_6R_2R_3R_4R_5s^3 + s^2\left(-C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$

9.808 X-INVALID-ORDER-808 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{C_3R_2R_4R_6}{C_1C_3C_4C_6R_2R_3R_4R_5R_6s^3 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_4R_2R_3R_4R_6 + C_1C_3C_6R_2R_3R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_4C_6R_2R_4R_5R_6\right) + s\left(-C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_4 + C_1C_3R_3R_4 + C_1C$

9.809 X-INVALID-ORDER-809 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_3C_4C_6R_2R_3R_4R_6 - C_1C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 - C_1C_5C_6R_2R_4R_6\right) + s\left(C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_6 +$

9.810 X-INVALID-ORDER-810 $Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1C_3C_4C_5R_2R_3R_4R_5s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5\right) + s\left(C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_4R_4 + C_1C_5R_4R_4 + C_1C_5R_5R_4 + C_1C_5R_5R_4 + C_1C_5R_5R_4 + C_1C_5$

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9.811 X-INVALID-ORDER-811 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5R_2R_4}{C_1C_3C_4C_5C_6R_2R_3R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4R_4 + C_1C_3C_6R_4 + 
9.812 X-INVALID-ORDER-812 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_3C_4C_5C_6R_2R_3R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_2R_3R_4 - C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R
9.813 X-INVALID-ORDER-813 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.814 X-INVALID-ORDER-814 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                               H(s) = \frac{C_3C_5R_2R_4R_5s + C_3R_2R_4}{s^3\left(C_1C_3C_4C_6R_2R_3R_4R_5 - C_1C_3C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.815 X-INVALID-ORDER-815 Z(s) = \left(\frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                               H(s) = \frac{C_3C_5C_6R_2R_4R_5R_6s^2 + C_3R_2R_4 + s\left(C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^3\left(C_1C_3C_4C_6R_2R_3R_4R_5 - C_1C_3C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.816 X-INVALID-ORDER-816 Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6
                            \frac{C_3C_5\kappa_2\kappa_4\kappa_5\kappa_6s + C_3\kappa_2\kappa_4\kappa_6s}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + S^3\left(C_1C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_3C_5R_2R_3R_4R_5 - C_1C_3C_6R_2R_3R_4R_5 - C_1C_3C_6R_3R_4R_5 
9.817 X-INVALID-ORDER-817 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                           H(s) = \frac{C_3 R_2 R_3 R_4 s + R_2 R_4}{C_1 C_3 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 + C_3 C_6 R_3 R_4 R_5\right)}
9.818 X-INVALID-ORDER-818 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                           H(s) = \frac{C_3C_6R_2R_3R_4R_6s^2 + R_2R_4 + s\left(C_3R_2R_3R_4 + C_6R_2R_4R_6\right)}{C_1C_3C_6R_2R_3R_4R_5s^3 + C_6R_4R_5s + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right)}
9.819 X-INVALID-ORDER-819 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                H(s) = \frac{C_3R_2R_3R_4R_6s + R_2R_4R_6}{C_1C_3C_6R_2R_3R_4R_5R_6s^3 + R_4R_5 + s^2\left(C_1C_3R_2R_3R_4R_5 - C_1C_6R_2R_3R_4R_6 + C_1C_6R_2R_3R_5R_6 + C_1C_6R_2R_4R_5R_6\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5 + C_3R_3R_4R_5 + C_3R_3R_4R_5R_6\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_
9.820 X-INVALID-ORDER-820 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_3C_6R_2R_3R_4R_6 - C_1C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_3R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_3R_4R_6\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4 + C_6R_4R_6\right)}$

9.821 X-INVALID-ORDER-821 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{C_1C_3C_5R_2R_3R_4R_5s^3 + R_4 + s^2\left(C_1C_3R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_5 + C_1C_5R_2R_4R_5 + C_1C_5R_3R_4R_5 + C_3C_5R_3R_4R_5\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4 + C_5R_4R_5\right)}$

9.822 X-INVALID-ORDER-822 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4s + C_5R_2R_4}{C_1C_3C_5C_6R_2R_3R_4R_5s^3 + C_6R_4 + s^2\left(C_1C_3C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_5 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_3R_4R_5\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4 + C_5C_6R_4R_5\right)}$

9.823 X-INVALID-ORDER-823 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_1C_3C_5C_6R_2R_3R_4R_5s^3 + C_6R_4 + s^2\left(C_1C_3C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_5C_6R_5R$

9.824 X-INVALID-ORDER-824 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{C_1C_3C_5C_6R_2R_3R_4R_5R_6s^4 + R_4 + s^3\left(C_1C_3C_5R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_5R_6 + C_1C_5C_6R_2R_4R_5R_6 + C_1C_5C_6R_3R_4R_5R_6 + C_1C_5C_6R_3R_4R_5R_5 + C_1C_5C_6R_3R_4R_5R_5 + C_1C_5C_6R_3R_4R_5R_5 + C_1C_5C_6R_3R_4R_5R_5 + C_1C_5C_6R_3R_4R_5R_5 + C_1C_5C_6R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5R_5 + C_1C_5C_6R_5R_$

9.825 X-INVALID-ORDER-825 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_5s^2 + R_2R_4 + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right)}$

9.826 X-INVALID-ORDER-826 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_3C_5R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right)}$

9.827 X-INVALID-ORDER-827 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^3\left(C_1C_3C_6R_2R_3R_4R_5R_6 - C_1C_5C_6R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5 - C_1C_6R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5R_6 + C_1C_6R_2R_3R_4R_5R_6 + C_1C_6R_2R_3R_4R_5R_6 + C_1C_6R_3R_4R_5R_6 + C_1C_6R_3R_4R_5R_5 + C_1C_6R_3R_4R_5R_5 + C_1C_6R_3R_4R_5R_5 + C_1C_6R_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R$

9.828 X-INVALID-ORDER-828 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_2 R_3 s + R_2}{C_6 R_5 s + s^3 \left(C_1 C_3 C_6 R_2 R_3 R_5 + C_1 C_4 C_6 R_2 R_3 R_5 \right) + s^2 \left(-C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5 + C_3 C_6 R_3 R_5 \right)}$

9.829 X-INVALID-ORDER-829 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_2R_3R_6s^2 + R_2 + s\left(C_3R_2R_3 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_3C_6R_3R_5\right)}$

9.830 X-INVALID-ORDER-830 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3R_2R_3R_6s + R_2R_6}{R_5 + s^3\left(C_1C_3C_6R_2R_3R_5R_6 + C_1C_4C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_6R_2R_3R_6 + C_1C_6R_2R_5R_6 + C_1C_6R_3R_5R_6\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_3R_3R_5 + C$

9.831 X-INVALID-ORDER-831 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_3C_6R_2R_3R_6 + C_1C_4C_6R_2R_3R_6 - C_1C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_1C_6R_2R_6 + C_1C_6R_3R_6 + C_3C_6R_3R_6\right) + s\left(C_1R_2 + C_1R_3 + C_3R_3 + C_6R_6\right) + 1}$$

9.832 X-INVALID-ORDER-832 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_3C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5\right) + s^2\left(C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_3R_5 + C_3C_5R_3R_5\right) + s\left(C_1R_2 + C_1R_3 + C_3R_3 + C_5R_5\right) + 1}$$

9.833 X-INVALID-ORDER-833 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_3s + C_5R_2}{C_6 + s^3\left(C_1C_3C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3 + C_5C_6R_3\right)}$$

9.834 X-INVALID-ORDER-834 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_3R_6s^2 + C_5R_2 + s\left(C_3C_5R_2R_3 + C_5C_6R_2R_6\right)}{C_6 + s^3\left(C_1C_3C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3 + C_5C_6R_3\right)}$$

9.835 X-INVALID-ORDER-835 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_6s^2 + C_5R_2R_6s}{s^4\left(C_1C_3C_5C_6R_2R_3R_5R_6 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_6 + C_1C_5C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_5 + C_1C_5C_5R_3R_5 + C_1C_5C_5R_3R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_$$

9.836 X-INVALID-ORDER-836 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_5s^2 + R_2 + s\left(C_3R_2R_3 + C_5R_2R_5\right)}{C_6R_5s + s^3\left(C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_3C_6R_3R_5\right)}$$

9.837 X-INVALID-ORDER-837 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_3R_5R_6s^3 + R_2 + s^2\left(C_3C_5R_2R_3R_5 + C_3C_6R_2R_3R_6 + C_5C_6R_2R_5R_6\right) + s\left(C_3R_2R_3 + C_5R_2R_5 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_3C_6R_3R_5\right)}$$

9.838 X-INVALID-ORDER-838 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_5R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_6 + C_5R_2R_5R_6\right)}{R_5 + s^3\left(C_1C_3C_6R_2R_3R_5R_6 + C_1C_4C_6R_2R_3R_5R_6 - C_1C_5C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5 + C_1C_6R_2R_3R_5 + C_1C_6R_3R_5R_6\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_3R_3R_5 + C_3R_3$$

9.839 X-INVALID-ORDER-839 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_2R_3R_4R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_6 + C_4R_2R_4R_6\right)}{C_1C_3C_4R_2R_3R_4R_5s^3 + R_5 + s^2\left(C_1C_3R_2R_3R_5 - C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_4R_5 + C_1C_4R_3R_4R_5 + C_3C_4R_3R_4R_5\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_3R_3R_5 + C_4R_4R_5\right)}$$

9.840 X-INVALID-ORDER-840 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4R_2R_3R_4s^2 + R_2 + s\left(C_3R_2R_3 + C_4R_2R_4\right)}{C_1C_3C_4C_6R_2R_3R_4R_5s^4 + C_6R_5s + s^3\left(C_1C_3C_6R_2R_3R_5 - C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_3 + C_1C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_4R_5\right)}$$

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9.841 X-INVALID-ORDER-841 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                       H(s) = \frac{C_3C_4C_6R_2R_3R_4R_6s^3 + R_2 + s^2\left(C_3C_4R_2R_3R_4 + C_3C_6R_2R_3R_6 + C_4C_6R_2R_4R_6\right) + s\left(C_3R_2R_3 + C_4R_2R_4 + C_6R_2R_6\right)}{C_1C_3C_4C_6R_2R_3R_4R_5s^4 + C_6R_5s + s^3\left(C_1C_3C_6R_2R_3R_5 - C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_3C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_4R_5\right)}
9.842 X-INVALID-ORDER-842 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_3C_4R_2R_3R_4R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_6 + C_4R_2R_4R_6\right)
H(s) = \frac{C_3C_4R_2R_3R_4R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_4R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_6 + C_4R_2R_4R_6\right)\right)}{C_1C_3C_4C_6R_2R_3R_4R_5R_6s^4 + R_5 + s^3\left(C_1C_3C_4R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_5R_6 + C_1C_4C_6R_2R_3R_5R_6 + C_1C_4C_6R_2R_3R_4R_5R_6 + C_1C_4C_6R_2R_4R_5R_6 + C_1C_4C_6R_4R_4R_5R_6 + C_1C_4C_6R_4R_4R_5R_5 + C_1C_4C_6R_4R_5R_5R_5 + C_1C_4C_6R_5R_5R_5R_5 + C_1C_4C_6R_5R_5R_5 + C_1C_4C_6R_5R_5R_5 + C_1C_4C_6R_5R_5R_5 + C_1C_4C_6R_5R_
9.843 X-INVALID-ORDER-843 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                  H(s) = \frac{C_3C_4C_5R_2R_3R_4R_6s^3 + C_5R_2R_6s + s^2\left(C_3C_5R_2R_3R_6 + C_4C_5R_2R_4R_6\right)}{s^3\left(C_1C_3C_4R_2R_3R_4 - C_1C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_3R_2R_3 + C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_4R_3R_4 - C_1C_5R_2R_3 + C_3C_4R_3R_4\right) + s\left(C_1R_2 + C_1R_3 + C_3R_3 + C_4R_4\right) + 1}
9.844 X-INVALID-ORDER-844 Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right)
                                                                                       H(s) = \frac{C_3C_4C_5R_2R_3R_4s^2 + C_5R_2 + s\left(C_3C_5R_2R_3 + C_4C_5R_2R_4\right)}{C_6 + s^3\left(C_1C_3C_4C_6R_2R_3R_4 - C_1C_4C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_2R_3 + C_3C_4C_6R_3R_4\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3 + C_4C_6R_3\right)}
9.845 X-INVALID-ORDER-845 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                       H(s) = \frac{C_3C_4C_5C_6R_2R_3R_4R_6s^3 + C_5R_2 + s^2\left(C_3C_4C_5R_2R_3R_4 + C_3C_5C_6R_2R_3R_6 + C_4C_5C_6R_2R_4R_6\right) + s\left(C_3C_5R_2R_3 + C_4C_5R_2R_4 + C_5C_6R_2R_6\right)}{C_6 + s^3\left(C_1C_3C_4C_6R_2R_3R_4 - C_1C_4C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_2R_3 + C_3C_4C_6R_3R_4\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3 + C_4C_6R_3\right)}
9.846 X-INVALID-ORDER-846 Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_3C_4C_5R_2R_3R_4R_6s^3 + C_5R_2R_6s + s^2(C_3C_5R_2R_3R_6 + C_4C_5R_2R_4R_6)
                             \frac{C_3C_4C_5R_2R_3R_4R_6s^3 + C_5R_2R_6s + s^2\left(C_3C_5R_2R_3R_6 + C_4C_5R_2R_4R_6\right)}{s^4\left(C_1C_3C_4C_6R_2R_3R_4R_6 - C_1C_4C_5R_2R_3R_4 + C_1C_4C_6R_2R_3R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_4R_4R_
9.847 X-INVALID-ORDER-847 Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_4C_5R_2R_3R_4R_6s^3 + C_5R_2R_6s + s^2\left(C_3C_5R_2R_3R_6 + C_4C_5R_2R_4R_6\right)}{C_1C_3C_4C_5R_2R_3R_4R_5s^4 + s^3\left(C_1C_3C_4R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_4C_5R_3R_4R_5\right) + s^2\left(C_1C_3R_2R_3 + C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_2R_5 + C_1C_5R_2R_5 + C_1C_4R_3R_4 + C_1C_5R_2R_3 + C_1C_4R_3R_4 + C_1C_5R_3R_4 +
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9.848 X-INVALID-ORDER-848 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_3R_4s^2 + C_5R_2 + s\left(C_3C_5R_2R_3 + C_4C_5R_2R_3\right)}{C_1C_3C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_5C_6R_5R_5 + C_1C_5C_5C_6R_5R_5 + C_1C_5C_5$

9.849 X-INVALID-ORDER-849 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_2R_3R_4R_6s^3 + C_5R_2 + s^2\left(C_3C_4C_5R_2R_3R_4 + C_3C_5C_6R_2R_3R_6 + C_4C_5C_6R_2R_4R_6\right) + s\left(C_3C_5R_2R_3 + C_4C_5R_2R_3R_4 + C_3C_5C_6R_2R_3R_4 +$

9.850 X-INVALID-ORDER-850 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6s^5 + s^4\left(C_1C_3C_4C_5R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_6 + C_1C_4C_5C_6R_2R_3R_4R_6 + C_1C_4C_5C_6R_2R_3R_4R_5 + C_1C_4C_5C_6R_2R_3R_4R_5R_6 + C_1C_4C_5C_6R_2R_3R_4R_5R_6 + C_1C_4C_5C_6R_3R_4R_5R_6 + C_1C_4C_5C_6R_3R_4R_5R_5 + C_1C_4C_5C_6R_3R_4R_5R_5 + C_1C_4C_5C_6R_3R_4R_5R_5 + C_1C_4C_5C_6R_3R_4R_5R_5 + C_1C_4C_5C_6R_3R_4R_5R_5 + C_1C_4C_5C_6R_3R_4R_5R_5 + C_1C_4C_5C_6R_5R_5R_5R_5 + C_1C_5C_6R_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_$

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9.851 X-INVALID-ORDER-851 Z(s) = \left(\frac{1}{C_1s}, \ R_2, \frac{R_3}{C_3R_3s+1}, \ R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_6s+1}, \ R_6\right)
H(s) = \frac{C_3C_4C_5R_2R_3R_4R_5R_6s^3 + R_2R_6 + s^2(C_3C_4R_2R_3R_4R_6 + C_3C_5R_2R_3R_5R_6 + C_4C_5R_2R_4R_5R_6) + s(C_3R_2R_3R_6 + C_4R_2R_4R_6 + C_5R_2R_5R_6)}{R_5 + s^3(C_1C_3C_4R_2R_3R_4R_5 - C_1C_4C_5R_2R_3R_4R_5) + s^2(C_1C_3R_2R_3R_5 - C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_3R_4 + C_3C_2R_2R_4R_5 + C_1C_4R_2R_3R_4 + C_3C_2R_2R_4R_5 + C_1C_4R_2R_3R_4 + C_3C_2R_2R_4R_5 + C_1C_4R_2R_3R_4 + C_3C_2R_2R_4 + C_3R_2R_5 + C_4C_5R_2R_4R_5 + C_4C_5R_2R_4R
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- $H(s) = \frac{C_3C_4C_5C_6R_2R_3R_4R_5R_6s^4 + R_2 + s^3\left(C_3C_4C_5R_2R_3R_4R_5 + C_3C_4C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4 + C_3C_5R_2R_3R_5 + C_4C_5R_2R_3R_5 + C_4C_5R_2R_3R_5 + C_4C_5R_2R_4R_5 + C_4C_5R_4R_4R_5 + C_$
- 9.854 X-INVALID-ORDER-854 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_3R_4R_5R_6s^3 + R_2R_6 + s^2\left(C_3C_4R_2R_3R_4R_6 + C_1C_4C_5R_2R_3R_4R_5R_6 - C_1C_4C_5R_2R_3R_4R_5 + s^2\left(C_3C_4R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_4R_4R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 +$

 $\textbf{9.856} \quad \textbf{X-INVALID-ORDER-856} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3 C_6 R_2 R_3 R_4 R_6 s^2 + R_2 R_4 + s \left(C_3 R_2 R_3 R_4 + C_6 R_2 R_4 R_6\right)}{C_6 R_4 R_5 s + s^3 \left(C_1 C_3 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 + C_1 C_6 R_3 R_4 R_5\right) }$

- **9.857** X-INVALID-ORDER-857 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$
- $H(s) = \frac{C_3 R_2 R_3 R_4 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^3 \left(C_1 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 R_2 R_3 R_4 R_5 + C_1 C_6 R_5 R_5 + C_$
- **9.858** X-INVALID-ORDER-858 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_3C_6R_2R_3R_4R_6 + C_1C_4C_6R_2R_3R_4R_6 - C_1C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_3R_2R_3R_4 + C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_3R_4R_6\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_3R_4R_6\right) + s\left(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 +$

9.859 X-INVALID-ORDER-859 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_3C_5R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4 + C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_1C_5R_3R_4R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5 + C_$

9.860 X-INVALID-ORDER-860 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4s + C_5R_2R_4}{C_6R_4 + s^3\left(C_1C_3C_5C_6R_2R_3R_4R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_3R_4 + C_$

9.861 X-INVALID-ORDER-861 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^3\left(C_1C_3C_5C_6R_2R_3R_4R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R$

9.862 X-INVALID-ORDER-862 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2, \ \frac{R_3}{C_3 R_3 s+1}, \ \frac{R_4}{C_4 R_4 s+1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s+1}\right)$

 $\frac{C_3C_5R_4}{R_4 + s^4 \left(C_1C_3C_5C_6R_2R_3R_4R_5R_6 + C_1C_4C_5C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_5 + C_1C_5C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_5 + C_1C_5C_6R_3R_4R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5$

9.863 X-INVALID-ORDER-863 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & R_2, & \frac{R_3}{C_3 R_3 s+1}, & \frac{R_4}{C_4 R_4 s+1}, & \frac{R_5}{C_5 R_5 s+1}, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_5s^2 + R_2R_4 + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right)}$

9.864 X-INVALID-ORDER-864 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_3C_5R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right)}$

9.865 X-INVALID-ORDER-865 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^3\left(C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_4C_6R_2R_3R_4R_5R_6 + C_1C_5C_6R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_3R_4R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5 + C_1C_6R_5R_5 + C_1C_6R_5R$

9.866 X-INVALID-ORDER-866 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{R_4 R_6}{C_1 C_2 R_3 R_4 R_5 s^2 + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.867 X-INVALID-ORDER-867 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & R_4, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{R_4}{C_1 C_2 C_6 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5\right)}$$

9.868 X-INVALID-ORDER-868 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_4 R_6 s + R_4}{C_1 C_2 C_6 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5\right)}$$

9.869 X-INVALID-ORDER-869 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{R_4 R_6}{C_1 C_2 C_6 R_3 R_4 R_5 R_6 s^3 + s^2 \left(C_1 C_2 R_3 R_4 R_5 - C_1 C_6 R_3 R_4 R_6 + C_1 C_6 R_3 R_5 R_6 + C_1 C_6 R_4 R_5 R_6 + C_2 C_6 R_4 R_5 R_6\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.870 X-INVALID-ORDER-870 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4 + s \left(C_1 C_2 R_3 R_4 - C_1 C_5 R_3 R_4\right)}$$

9.871 X-INVALID-ORDER-871
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_4}{s^2 \left(C_1 C_2 C_6 R_3 R_4 - C_1 C_5 C_6 R_3 R_4 \right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 + C_2 C_6 R_4 \right)}$$

9.872 X-INVALID-ORDER-872
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_4 R_6 s + C_5 R_4}{s^2 \left(C_1 C_2 C_6 R_3 R_4 - C_1 C_5 C_6 R_3 R_4\right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 + C_2 C_6 R_4\right)}$$

9.873 X-INVALID-ORDER-873
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_4}{C_1 C_2 C_5 C_6 R_3 R_4 R_5 s^3 + s^2 \left(C_1 C_2 C_6 R_3 R_4 - C_1 C_5 C_6 R_3 R_4 + C_1 C_5 C_6 R_3 R_5 + C_1 C_5 C_6 R_4 R_5 + C_2 C_5 C_6 R_4 R_5\right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 + C_2 C_6 R_4\right)}$$

9.874 X-INVALID-ORDER-874
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_4R_6s + C_5R_4}{C_1C_2C_5C_6R_3R_4R_5s^3 + s^2\left(C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_4R_5 + C_2C_5C_6R_4R_5\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.875 X-INVALID-ORDER-875
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 C_2 C_5 C_6 R_3 R_4 R_5 R_6 s^3 + C_1 R_3 + C_1 R_4 + C_2 R_4 + s^2 \left(C_1 C_2 C_5 R_3 R_4 R_5 + C_1 C_5 C_6 R_3 R_4 R_6 + C_1 C_5 C_6 R_3 R_4 R_6 + C_1 C_5 C_6 R_4 R_5 R_6 + C_1 C_5 C_6 R_5$$

9.876 X-INVALID-ORDER-876 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_5 R_4 R_5 R_6 s + R_4 R_6}{s^2 \left(C_1 C_2 R_3 R_4 R_5 - C_1 C_5 R_3 R_4 R_5\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.877 X-INVALID-ORDER-877 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_4 R_5 s + R_4}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 - C_1 C_5 C_6 R_3 R_4 R_5 \right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5 \right)}$$

9.878 X-INVALID-ORDER-878 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_4R_5R_6s^2 + R_4 + s\left(C_5R_4R_5 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.879 X-INVALID-ORDER-879 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & R_4, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

$$H(s) = \frac{C_5 R_4 R_5 R_6 s + R_4 R_6}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 R_6 - C_1 C_5 C_6 R_3 R_4 R_5 R_6\right) + s^2 \left(C_1 C_2 R_3 R_4 R_5 - C_1 C_5 R_3 R_4 R_5 - C_1 C_6 R_3 R_4 R_6 + C_1 C_6 R_3 R_5 R_6 + C_1 C_6 R_4 R_5 R_6\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.880 X-INVALID-ORDER-880 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{R_6}{s^2 \left(C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 \right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5 \right)}$$

9.881 X-INVALID-ORDER-881
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{1}{s^3 \left(C_1 C_2 C_6 R_3 R_5 + C_1 C_4 C_6 R_3 R_5 \right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5 \right)}$$

9.882 X-INVALID-ORDER-882
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_6 R_6 s + 1}{s^3 \left(C_1 C_2 C_6 R_3 R_5 + C_1 C_4 C_6 R_3 R_5 \right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5 \right)}$$

9.883 X-INVALID-ORDER-883
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{R_6}{s^3 \left(C_1 C_2 C_6 R_3 R_5 R_6 + C_1 C_4 C_6 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 - C_1 C_6 R_3 R_6 + C_1 C_6 R_5 R_6 + C_2 C_6 R_5 R_6\right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5\right)}$$

9.884 X-INVALID-ORDER-884
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_6}{C_1 + C_2 + s \left(C_1 C_2 R_3 + C_1 C_4 R_3 - C_1 C_5 R_3\right)}$$

9.885 X-INVALID-ORDER-885
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_5}{s^2 \left(C_1 C_2 C_6 R_3 + C_1 C_4 C_6 R_3 - C_1 C_5 C_6 R_3 \right) + s \left(C_1 C_6 + C_2 C_6 \right)}$$

9.886 X-INVALID-ORDER-886
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{s^2 \left(C_1 C_2 C_6 R_3 + C_1 C_4 C_6 R_3 - C_1 C_5 C_6 R_3\right) + s \left(C_1 C_6 + C_2 C_6\right)}$$

9.887 X-INVALID-ORDER-887
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5}{s^3 \left(C_1 C_2 C_5 C_6 R_3 R_5 + C_1 C_4 C_5 C_6 R_3 R_5\right) + s^2 \left(C_1 C_2 C_6 R_3 + C_1 C_4 C_6 R_3 - C_1 C_5 C_6 R_3 + C_1 C_5 C_6 R_5 + C_2 C_5 C_6 R_5\right) + s \left(C_1 C_6 + C_2 C_6\right)}$$

9.888 X-INVALID-ORDER-888
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_6s + C_5}{s^3\left(C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.889 X-INVALID-ORDER-889
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_5 R_6}{C_1 + C_2 + s^3 \left(C_1 C_2 C_5 C_6 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 C_5 R_3 R_5 + C_1 C_2 C_6 R_3 R_6 + C_1 C_4 C_5 R_3 R_6 + C_1 C_5 C_6 R_5 R_6 + C_1$$

9.890 X-INVALID-ORDER-890
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{s^2 \left(C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 - C_1 C_5 R_3 R_5 \right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5 \right)}$$

9.891 X-INVALID-ORDER-891
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_5 s + 1}{s^3 \left(C_1 C_2 C_6 R_3 R_5 + C_1 C_4 C_6 R_3 R_5 - C_1 C_5 C_6 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5\right)}$$

9.892 X-INVALID-ORDER-892
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_5 C_6 R_5 R_6 s^2 + s \left(C_5 R_5 + C_6 R_6\right) + 1}{s^3 \left(C_1 C_2 C_6 R_3 R_5 + C_1 C_4 C_6 R_3 R_5 - C_1 C_5 C_6 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5\right)}$$

9.893 X-INVALID-ORDER-893
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{s^3 \left(C_1 C_2 C_6 R_3 R_5 R_6 + C_1 C_4 C_6 R_3 R_5 R_6 - C_1 C_5 C_6 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 - C_1 C_5 R_3 R_6 + C_1 C_6 R_5 R_6 + C_2 C_6 R_5 R_6\right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5\right)}$$

9.894 X-INVALID-ORDER-894
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_4 R_4 R_6 s + R_6}{C_1 C_2 C_4 R_3 R_4 R_5 s^3 + s^2 \left(C_1 C_2 R_3 R_5 - C_1 C_4 R_3 R_4 + C_1 C_4 R_3 R_5 + C_1 C_4 R_4 R_5 + C_2 C_4 R_4 R_5\right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5\right)}$$

9.895 X-INVALID-ORDER-895
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_4 R_4 s + 1}{C_1 C_2 C_4 C_6 R_3 R_4 R_5 s^4 + s^3 \left(C_1 C_2 C_6 R_3 R_5 - C_1 C_4 C_6 R_3 R_4 + C_1 C_4 C_6 R_3 R_5 + C_1 C_4 C_6 R_4 R_5 + C_2 C_4 C_6 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5\right)}$$

9.896 X-INVALID-ORDER-896
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_4C_6R_4R_6s^2 + s\left(C_4R_4 + C_6R_6\right) + 1}{C_1C_2C_4C_6R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_3R_5 - C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_4R_5 + C_2C_4C_6R_4R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$$

9.897 X-INVALID-ORDER-897
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_4 R_4 R_6 s + R_6}{C_1 C_2 C_4 C_6 R_3 R_4 R_5 R_6 s^4 + s^3 \left(C_1 C_2 C_4 R_3 R_4 R_5 + C_1 C_2 C_6 R_3 R_5 R_6 - C_1 C_4 C_6 R_3 R_4 R_6 + C_1 C_4 C_6 R_3 R_5 R_6 + C_1 C_4 C_6 R_4 R_5 R_6 + C_2 C_4 C_6 R_4 R_5 R_6 + C_2 C_4 C_6 R_4 R_5 R_6 + C_1 C_4 R_3 R_5 + C_1 C_4 R_3 R_5 + C_1 C_4 R_3 R_5 + C_1 C_4 R_3 R_6 + C_1 C_6 R_5 R_6 + C_2 C_4 R_4 R_5 + C_2 C_6 R_5 R_6 \right)}$$

9.898 X-INVALID-ORDER-898 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5R_4s + C_5}{s^3\left(C_1C_2C_4C_6R_3R_4 - C_1C_4C_5C_6R_3R_4\right) + s^2\left(C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.899 X-INVALID-ORDER-899 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5C_6R_4R_6s^2 + C_5 + s\left(C_4C_5R_4 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_4C_6R_3R_4 - C_1C_4C_5C_6R_3R_4\right) + s^2\left(C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.900 X-INVALID-ORDER-900
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_4C_5R_4R_6s + C_5R_6}{C_1 + C_2 + s^3\left(C_1C_2C_4C_6R_3R_4R_6 - C_1C_4C_5C_6R_3R_4 + C_1C_2C_6R_3R_6 - C_1C_4C_5R_3R_4 + C_1C_4C_6R_3R_6 + C_1C_4C_6R_4R_6 + C_1C_$$

9.901 X-INVALID-ORDER-901 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_4R_6s + C_5R_6}{C_1C_2C_4C_5R_3R_4R_5s^3 + C_1 + C_2 + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_3R_5 - C_1C_4C_5R_3R_4 + C_1C_4C_5R_3R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_1C_5R_5 + C_2C_4R_4 + C_2C_5R_5\right)}$

9.902 X-INVALID-ORDER-902 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_4s + C_5}{C_1C_2C_4C_5C_6R_3R_4R_5s^4 + s^3\left(C_1C_2C_4C_6R_3R_4 + C_1C_2C_5C_6R_3R_5 - C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5 + C_2C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5 + C_2C_4C_6R_4 + C_2C_5C_6R_5\right) + s\left(C_1C_6C_6R_3R_4 + C_1C_5C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_5C_6R_5 + C_2C_4C_6R_4 + C_2C_5C_6R_5\right) + s\left(C_1C_4C_5C_6R_3R_4 + C_1C_5C_6R_3 + C_1C_4C_5C_6R_3 + C_1C_4C_5C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_4C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_4C_5C_6R_3R_5\right) + s\left(C_1C_4C_5C_6R_3R_4 + C_1C_5C_6R_3 + C_1C_4C_5C_6R_3 + C_1C_4C_5C_6R_3 + C_1C_4C_5C_6R_3\right) + s\left(C_1C_4C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5\right) + s\left(C_1C_4C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s\left(C_1C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s\left(C_1C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s\left(C_1C_5C_6R_3R_5 + C_1C_4C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_4C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_4C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_$

9.903 X-INVALID-ORDER-903 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_4R_6s^2 + C_5 + s\left(C_4C_5R_4 + C_5C_6R_6\right)}{C_1C_2C_4C_5C_6R_3R_4 + C_1C_2C_5C_6R_3R_5 - C_1C_4C_5C_6R_3R_4 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5 + c_2C_4C_5C_6R_4R_5 + c_2C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_5C_6R_5 + C_2C_4C_6R_4 + C_2C_5C_6R_5 + s\left(C_4C_5R_4 + C_5C_6R_4 + C_5C_6R_4 + C_5C_6R_4 + C_5C_6R_5 + c_5C_6R_4 + C_5C_6R_5 + c_5C_6R_4 + C_5C_6R_5 + C_5C_6$

9.904 X-INVALID-ORDER-904 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C}{C_1C_2C_4C_5C_6R_3R_4R_5R_6s^4 + C_1 + C_2 + s^3\left(C_1C_2C_4C_5R_3R_4R_5 + C_1C_2C_4C_6R_3R_4R_6 + C_1C_4C_5C_6R_3R_4R_6 + C_1C_4C_5C_6R_3R_5R_6 + C_1C_4C_5C_6R_4R_5R_6 + C_2C_4C_5C_6R_4R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_3R_5 + C_1C_2C_6R_3R_5R_6 + C_1C_4C_5C_6R_3R_5R_6 + C_1C_4C_5C_6R_4R_5R_6 + C_2C_4C_5C_6R_4R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_3R_5 + C_1C_4C_5C_6R_3R_5R_6 + C_1C_4C_5C_6R_4R_5R_6 + C_2C_4C_5C_6R_4R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_3R_5 + C_1C_4C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5C_6R_3R_5R_6 + C_1C_4C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_3R_5 + C_1C_4C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_3R_5\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_5\right) + s^2\left(C_1C_2C_4R_3R_4 + C_1C_2C_5R_5\right) + s^2\left(C_1C_2C_4R_5R_5\right) + s^2\left(C_1C_2C_4R_5R_5\right) + s^2\left(C_1C_2C_4R_5R_5\right) + s^2\left(C_1C_2C_4R_5R_5\right) + s^2\left(C_1C_2C_4R_5R_5\right) + s^2\left(C_1C_2C_4R_5R_5\right) + s^2\left(C_1C_4C_5R_5\right) + s^2\left(C_1C_4C_5C_5R_5\right) + s^2\left(C_1C_5C_5C_5R_5\right) + s^2\left(C_1C_5C_5C_5R_5\right) + s^2\left(C_1C_5C_5C_5R_5\right) + s^2\left(C_1C_5C_5C_5C_5R_5\right) + s^2\left(C_1C_5C_5C_5C_5C_5C_5C_5C_5C_$

9.905 X-INVALID-ORDER-905 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_4C_5R_4R_5R_6s^2 + R_6 + s\left(C_4R_4R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_4R_3R_4R_5 - C_1C_4C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_3R_5 - C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_4R_5 - C_1C_5R_3R_5 + C_2C_4R_4R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$

9.906 X-INVALID-ORDER-906 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_4R_5s^2 + s\left(C_4R_4 + C_5R_5\right) + 1}{s^4\left(C_1C_2C_4C_6R_3R_4R_5 - C_1C_4C_5C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_3R_5 - C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 + C_1C_$

9.907 X-INVALID-ORDER-907 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & R_4 + \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{C_4C_5C_6R_4R_5R_6s^3 + s^2\left(C_4C_5R_4R_5 + C_4C_6R_4R_6 + C_5C_6R_5R_6\right) + s\left(C_4R_4 + C_5R_5 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_4C_6R_3R_4R_5 - C_1C_4C_5C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 +$

9.908 X-INVALID-ORDER-908 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_4R_5R_6s^2 + R_6 + s\left(C_4R_4R_6 + C_5R_5R_6\right)}{s^4\left(C_1C_2C_4C_6R_3R_4R_5R_6 - C_1C_4C_5R_3R_4R_5 + C_1C_2C_6R_3R_5R_6 - C_1C_4C_5R_3R_4R_5 - C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_5R_6 + C_1C_4C_6R_5R_5R_6 + C_1C_4C_5R_5R_5R_6 + C_1C_4C_5R_5R_5R_6 + C_1C_4C_5R_5R_5R_6 + C_1C_4C_5R_5R_5R_6 + C_1C_4C_5R_5R_5R$

9.909 X-INVALID-ORDER-909 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{R_4 R_6}{s^2 \left(C_1 C_2 R_3 R_4 R_5 + C_1 C_4 R_3 R_4 R_5 \right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5 \right)}$$

9.910 X-INVALID-ORDER-910 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{R_4}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 + C_1 C_4 C_6 R_3 R_4 R_5 \right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5 \right)}$$

9.911 X-INVALID-ORDER-911
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_6 R_4 R_6 s + R_4}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 + C_1 C_4 C_6 R_3 R_4 R_5 \right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5 \right)}$$

9.912 X-INVALID-ORDER-912
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{R_4 R_6}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 R_6 + C_1 C_4 C_6 R_3 R_4 R_5 R_6\right) + s^2 \left(C_1 C_2 R_3 R_4 R_5 + C_1 C_4 R_3 R_4 R_5 - C_1 C_6 R_3 R_4 R_6 + C_1 C_6 R_3 R_5 R_6 + C_1 C_6 R_4 R_5 R_6\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.913 X-INVALID-ORDER-913
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4 + s \left(C_1 C_2 R_3 R_4 + C_1 C_4 R_3 R_4 - C_1 C_5 R_3 R_4\right)}$$

9.914 X-INVALID-ORDER-914
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_5 R_4}{s^2 \left(C_1 C_2 C_6 R_3 R_4 + C_1 C_4 C_6 R_3 R_4 - C_1 C_5 C_6 R_3 R_4 \right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 + C_2 C_6 R_4 \right)}$$

9.915 X-INVALID-ORDER-915
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_5 C_6 R_4 R_6 s + C_5 R_4}{s^2 \left(C_1 C_2 C_6 R_3 R_4 + C_1 C_4 C_6 R_3 R_4 - C_1 C_5 C_6 R_3 R_4\right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 + C_2 C_6 R_4\right)}$$

9.916 X-INVALID-ORDER-916
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & R_5 + \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_5 R_4}{s^3 \left(C_1 C_2 C_5 C_6 R_3 R_4 R_5 + C_1 C_4 C_5 C_6 R_3 R_4 R_5\right) + s^2 \left(C_1 C_2 C_6 R_3 R_4 + C_1 C_4 C_6 R_3 R_4 + C_1 C_5 C_6 R_3 R_5 + C_1 C_5 C_6 R_4 R_5 + C_2 C_5 C_6 R_4 R_5\right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 + C_2 C_6 R_4\right)}$$

9.917 X-INVALID-ORDER-917
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5C_6R_4R_6s + C_5R_4}{s^3\left(C_1C_2C_5C_6R_3R_4R_5 + C_1C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_4R_5 + C_2C_5C_6R_4R_5\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.918 X-INVALID-ORDER-918
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & R_5 + \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$$

$$H(s) = \frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4 + s^3 \left(C_1 C_2 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_2 C_5 R_3 R_4 R_5 + C_1 C_2 C_6 R_3 R_4 R_5 + C_1 C_4 C_5 R_3 R_4 R_6 + C_1 C_5 C_6 R_4 R_5 R_6 + C_1 C_5 C_6 R_5 R_5$$

9.919 X-INVALID-ORDER-919 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 \end{pmatrix}$

$$H(s) = \frac{C_5 R_4 R_5 R_6 s + R_4 R_6}{s^2 \left(C_1 C_2 R_3 R_4 R_5 + C_1 C_4 R_3 R_4 R_5 - C_1 C_5 R_3 R_4 R_5\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.920 X-INVALID-ORDER-920
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_5 R_4 R_5 s + R_4}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 + C_1 C_4 C_6 R_3 R_4 R_5 - C_1 C_5 C_6 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5\right)}$$

9.921 X-INVALID-ORDER-921
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_5C_6R_4R_5R_6s^2 + R_4 + s\left(C_5R_4R_5 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.922 X-INVALID-ORDER-922 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.923 X-INVALID-ORDER-923 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_4 R_6}{-C_1 R_4 + C_1 R_5 + s \left(C_1 C_2 R_4 R_5 + C_1 C_3 R_4 R_5 + C_2 C_3 R_4 R_5\right)}$$

9.924 X-INVALID-ORDER-924 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_4}{s^2 \left(C_1 C_2 C_6 R_4 R_5 + C_1 C_3 C_6 R_4 R_5 + C_2 C_3 C_6 R_4 R_5 \right) + s \left(-C_1 C_6 R_4 + C_1 C_6 R_5 \right)}$$

9.925 X-INVALID-ORDER-925 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_4R_6s + C_3R_4}{s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.926 X-INVALID-ORDER-926 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3 C_5 R_4 R_6 s}{C_1 + s \left(C_1 C_2 R_4 + C_1 C_3 R_4 - C_1 C_5 R_4 + C_2 C_3 R_4 \right)}$$

9.927 X-INVALID-ORDER-927 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & R_4, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_4}{C_1C_6 + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

9.928 X-INVALID-ORDER-928 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_4R_6s + C_3C_5R_4}{C_1C_6 + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

9.929 X-INVALID-ORDER-929 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_5C_6R_4R_5R_6 + C_1C_3C_5C_6R_4R_5R_6 + C_2C_3C_5C_6R_4R_5R_6 + C_1C_3C_5R_4R_5 + C_1C_3C_6R_4R_6 + C_1C_3C_5R_4R_5 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_$$

9.930 X-INVALID-ORDER-930 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_4R_5R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

9.931 X-INVALID-ORDER-931
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & R_4, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5R_4R_5s + C_3R_4}{s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.932 X-INVALID-ORDER-932
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & R_4, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5C_6R_4R_5R_6s^2 + C_3R_4 + s\left(C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.933 X-INVALID-ORDER-933
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5, & R_6 \end{pmatrix}$$

$$H(s) = \frac{C_3 R_6}{-C_1 + s \left(C_1 C_2 R_5 + C_1 C_3 R_5 + C_1 C_4 R_5 + C_2 C_3 R_5\right)}$$

9.934 X-INVALID-ORDER-934
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3}{-C_1C_6s + s^2(C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5)}$$

9.935 X-INVALID-ORDER-935
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_6 R_6 s + C_3}{-C_1 C_6 s + s^2 \left(C_1 C_2 C_6 R_5 + C_1 C_3 C_6 R_5 + C_1 C_4 C_6 R_5 + C_2 C_3 C_6 R_5\right)}$$

9.936 X-INVALID-ORDER-936
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & R_6 \end{pmatrix}$$

$$H(s) = \frac{C_3 C_5 R_6}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}$$

9.937 X-INVALID-ORDER-937
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_5}{s \left(C_1 C_2 C_6 + C_1 C_3 C_6 + C_1 C_4 C_6 - C_1 C_5 C_6 + C_2 C_3 C_6 \right)}$$

9.938 X-INVALID-ORDER-938
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5C_6R_6s + C_3C_5}{s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.939 X-INVALID-ORDER-939
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_6R_6 + C_1C_3C_6R_6 + C_1C_4C_6R_6 - C_1C_5C_6R_6 + C_2C_3C_6R_6\right)}$$

9.940 X-INVALID-ORDER-940
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5 + \frac{1}{C_5 s}, & R_6 \end{pmatrix}$$

$$H(s) = \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_5R_5 + C_1C_3C_5R_5 + C_1C_4C_5R_5 + C_2C_3C_5R_5\right)}$$

9.941 X-INVALID-ORDER-941
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5 + \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5}{s^2\left(C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_2C_3C_5C_6R_5\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.942 X-INVALID-ORDER-942
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & R_5 + \frac{1}{C_5 s}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5C_6R_6s + C_3C_5}{s^2\left(C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_2C_3C_5C_6R_5\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.943 X-INVALID-ORDER-943
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_5R_6s + C_3R_6}{-C_1 + s\left(C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}$$

9.944 X-INVALID-ORDER-944
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_5s + C_3}{-C_1C_6s + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$$

9.945 X-INVALID-ORDER-945
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5C_6R_5R_6s^2 + C_3 + s\left(C_3C_5R_5 + C_3C_6R_6\right)}{-C_1C_6s + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$$

9.946 X-INVALID-ORDER-946
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & R_4 + \frac{1}{C_4 s}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_4R_4s + C_3}{-C_1C_6s + s^3\left(C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$$

9.947 X-INVALID-ORDER-947
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_4C_6R_4R_6s^2 + C_3 + s\left(C_3C_4R_4 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$$

9.948 X-INVALID-ORDER-948
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_4R_4R_6s + C_3R_6}{-C_1 + s^3\left(C_1C_2C_4C_6R_4R_5R_6 + C_1C_3C_4C_6R_4R_5R_6 + C_2C_3C_4C_6R_4R_5R_6 + C_1C_2C_6R_5R_6 + C_1C_3C_4R_4R_5 + C_1C_3C_6R_5R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_5R_6 + C_2C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C$$

9.949 X-INVALID-ORDER-949 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_4R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_4R_4 + C_1C_3C_4R_4 - C_1C_4C_5R_4 + C_2C_3C_4R_4\right)}$$

9.950 X-INVALID-ORDER-950
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & R_4 + \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_4C_5R_4s + C_3C_5}{s^2\left(C_1C_2C_4C_6R_4 + C_1C_3C_4C_6R_4 - C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.951 X-INVALID-ORDER-951
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_4C_5C_6R_4R_6s^2 + C_3C_5 + s\left(C_3C_4C_5R_4 + C_3C_5C_6R_6\right)}{s^2\left(C_1C_2C_4C_6R_4 + C_1C_3C_4C_6R_4 - C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.952 X-INVALID-ORDER-952
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$C_3C_4C_5R_4s + C_5C_5C_5$$

9.953 X-INVALID-ORDER-953
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

9.954 X-INVALID-ORDER-954
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_3C_4C_5R_4R_6s}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_4C_5C_6R_4R_5R_6 + C_2C_3C_4C_5C_6R_4R_5R_6 + C_2C_3C_4C_5C_6R_4R_5 + C_1C_2C_4C_5R_4R_5 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_5R_5 +$

9.955 X-INVALID-ORDER-955 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & R_4 + \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_4C_5R_4R_5s^2 + C_3 + s\left(C_3C_4R_4 + C_3C_5R_5\right)}{-C_1C_6s + s^3\left(C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 - C_1C_4C_5C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$$

9.956 X-INVALID-ORDER-956 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_4R_5R_6s^3 + C_3 + s^2\left(C_3C_4C_5R_4R_5 + C_3C_4C_6R_4R_6 + C_3C_5C_6R_5R_6\right) + s\left(C_3C_4R_4 + C_3C_5R_5 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 - C_1C_4C_5C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$$

9.957 X-INVALID-ORDER-957 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_3C_4C_5R_4R_5R_6s^2 + C_3R_6 + s\left(C_3C_4R_4R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^3\left(C_1C_2C_4C_6R_4R_5R_6 + C_1C_3C_4C_6R_4R_5R_6 + C_2C_3C_4C_6R_4R_5R_6\right) + s^2\left(C_1C_2C_4R_4R_5 + C_1C_3C_6R_5R_6 + C_1C_4C_5R_4R_5 - C_1C_4C_6R_4R_6 + C_1C_4C_6R_5R_6 - C_1C_4C_6R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_6R_5R_6 - C_1C_4C_5R_4R_5 - C_1C_4C_6R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 - C_1C_4C_5R_4R_5 - C_1C_4C_6R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_$$

9.958 X-INVALID-ORDER-958 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_4 R_6}{-C_1 R_4 + C_1 R_5 + s \left(C_1 C_2 R_4 R_5 + C_1 C_3 R_4 R_5 + C_1 C_4 R_4 R_5 + C_2 C_3 R_4 R_5\right)}$$

9.959 X-INVALID-ORDER-959 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3 R_4}{s^2 \left(C_1 C_2 C_6 R_4 R_5 + C_1 C_3 C_6 R_4 R_5 + C_1 C_4 C_6 R_4 R_5 + C_2 C_3 C_6 R_4 R_5 \right) + s \left(-C_1 C_6 R_4 + C_1 C_6 R_5 \right)}$$

9.960 X-INVALID-ORDER-960 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_4R_6s + C_3R_4}{s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.961 X-INVALID-ORDER-961
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3 C_5 R_4 R_6 s}{C_1 + s \left(C_1 C_2 R_4 + C_1 C_3 R_4 + C_1 C_4 R_4 - C_1 C_5 R_4 + C_2 C_3 R_4 \right)}$$

9.962 X-INVALID-ORDER-962
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 C_5 R_4}{C_1 C_6 + s \left(C_1 C_2 C_6 R_4 + C_1 C_3 C_6 R_4 + C_1 C_4 C_6 R_4 - C_1 C_5 C_6 R_4 + C_2 C_3 C_6 R_4\right)}$$

9.963 X-INVALID-ORDER-963
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5C_6R_4R_6s + C_3C_5R_4}{C_1C_6 + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

9.964 X-INVALID-ORDER-964
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & R_5 + \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_5C_6R_4R_5R_6 + C_1C_3C_5C_6R_4R_5R_6 + C_1C_4C_5C_6R_4R_5R_6 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_$$

9.965 X-INVALID-ORDER-965
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_4R_5R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

9.966 X-INVALID-ORDER-966
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_4R_5s + C_3R_4}{s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.967 X-INVALID-ORDER-967
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5C_6R_4R_5R_6s^2 + C_3R_4 + s\left(C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.968 X-INVALID-ORDER-968
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3 R_4}{C_1 C_2 C_3 C_6 R_3 R_4 R_5 s^3 + s^2 \left(C_1 C_2 C_6 R_4 R_5 - C_1 C_3 C_6 R_3 R_4 + C_1 C_3 C_6 R_3 R_5 + C_1 C_3 C_6 R_4 R_5 + C_2 C_3 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 + C_1 C_6 R_5\right)}$$

9.969 X-INVALID-ORDER-969
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_6R_4R_6s + C_3R_4}{C_1C_2C_3C_6R_3R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.970 X-INVALID-ORDER-970
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_4 R_6}{C_1 C_2 C_3 C_6 R_3 R_4 R_5 R_6 s^3 - C_1 R_4 + C_1 R_5 + s^2 \left(C_1 C_2 C_3 R_3 R_4 R_5 + C_1 C_2 C_6 R_4 R_5 R_6 - C_1 C_3 C_6 R_3 R_4 R_6 + C_1 C_3 C_6 R_3 R_5 R_6 + C_1 C_3 C_6 R_4 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_3 R_3 R_4 + C_1 C_3 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 + C_2 C_3 R_4 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_3 R_3 R_4 + C_1 C_3 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 + C_2 C_3 R_4 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_3 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 + C_2 C_3 R_4 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_3 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 + C_2 C_3 R_4 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_3 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_6 R_4 R_6 + C_1 C_6 R_5 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_6 R_4 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_6 R_4 R_6 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_5 R_4 R_5 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_5 R_4 R_5 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_5 R_4 R_5 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_5 R_4 R_5 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_5 R_4 R_5 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_4 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_4 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_4 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_5 R_5 R_5 \right) + s \left(C_1 C_2 R_5 R_5 - C_1 C_5 R_5 R_5 - C_1 C_$$

9.971 X-INVALID-ORDER-971 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_6R_3R_4R_6 - C_1C_3C_5C_6R_3R_4R_6\right) + s^2\left(C_1C_2C_3R_3R_4 + C_1C_2C_6R_4R_6 - C_1C_3C_5R_3R_4 + C_1C_3C_6R_4R_6 + C_2C_3C_6R_4R_6\right) + s\left(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4\right)}$

9.972 X-INVALID-ORDER-972 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_4R_6s}{C_1C_2C_3C_5R_3R_4R_5s^3 + C_1 + s^2\left(C_1C_2C_3R_3R_4 + C_1C_2C_5R_4R_5 - C_1C_3C_5R_3R_4 + C_1C_3C_5R_3R_5 + C_1C_3C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}$

9.973 X-INVALID-ORDER-973 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_4}{C_1C_2C_3C_5C_6R_3R_4R_5s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_3R_4 + C_1C_2C_5C_6R_4R_5 - C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5 \right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}$

9.974 X-INVALID-ORDER-974 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

9.975 X-INVALID-ORDER-975 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.976 X-INVALID-ORDER-976 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_4R_5s + C_3R_4}{s^3\left(C_1C_2C_3C_6R_3R_4R_5 - C_1C_3C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$

9.977 X-INVALID-ORDER-977 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_4R_5R_6s^2 + C_3R_4 + s\left(C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_3R_4R_5 - C_1C_3C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$

9.978 X-INVALID-ORDER-978 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_4R_5R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_3R_4R_5R_6 - C_1C_3C_5C_6R_3R_4R_5 + C_1C_2C_6R_4R_5R_6 - C_1C_3C_6R_3R_4R_5 - C_1C_3C_6R_3R_4R_5 - C_1C_3C_6R_3R_4R_6 + C_1C_3C_6R_4R_5R_6 - C_1C_5C_6R_4R_5R_6 - C_1C_3C_6R_4R_5R_6 - C_1C_3C_6R_4R_5R_6$

9.979 X-INVALID-ORDER-979 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$$

9.980 X-INVALID-ORDER-980 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_6s + C_3}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$$

9.981 X-INVALID-ORDER-981
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_6}{-C_1 + s^3 \left(C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 C_3 R_3 R_5 + C_1 C_2 C_6 R_5 R_6 + C_1 C_3 C_4 R_3 R_5 - C_1 C_3 C_6 R_5 R_6 + C_1 C_5 C_6 R_5 R_6 + C_1 C_5 C_6 R_5 R_6 + C_1 C_5 C$$

9.982 X-INVALID-ORDER-982
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_3R_3 + C_1C_3C_4R_3 - C_1C_3C_5R_3\right)}$$

9.983 X-INVALID-ORDER-983
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3 + \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$$

$$H(s) = \frac{C_3C_5}{s^2\left(C_1C_2C_3C_6R_3 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.984 X-INVALID-ORDER-984
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_6s + C_3C_5}{s^2\left(C_1C_2C_3C_6R_3 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.985 X-INVALID-ORDER-985
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5}{s^3\left(C_1C_2C_3C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_3C_6R_3 + C_1C_2C_5C_6R_5 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_2C_3C_5C_6R_5\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.986 X-INVALID-ORDER-986
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_6s + C_3C_5}{s^3\left(C_1C_2C_3C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_3C_6R_3 + C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_3 + C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_4C$$

9.987 X-INVALID-ORDER-987
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_3C_5C_6R_3R_5R_6 + C_1C_3C_4C_5R_3R_5 + C_1C_2C_3C_6R_3R_6 + C_1C_3C_4C_5R_3R_6 + C_1C_3C_4C_6R_3R_6 + C_1C_3C_5C_6R_3R_6 + C_1C_3C_5C_6R_5R_6 + C_1C_3C_5C_6R_5R_6 + C_1C_3C_5C_6R_5R_6 + C_1C_3C_5C_6R_5R_6 + C_1C_5C_5C_6R_5R_6 + C_1C_5C_5C_6R_5R_6 + C_1C_5C_5C_6R_5R_6 + C_1C_5C_5C_6R_5R_6 + C_1C_5C_5C_6R_5R_6 + C_1C_5C_5C_6R_5$$

9.988 X-INVALID-ORDER-988
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5R_5s + C_3}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5 - C_1C_3C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$$

9.989 X-INVALID-ORDER-989
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_5R_6s^2 + C_3 + s\left(C_3C_5R_5 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5 - C_1C_3C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$$

9.990 X-INVALID-ORDER-990
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_5R_6s + C_3R_6}{-C_1 + s^3\left(C_1C_2C_3C_6R_3R_5R_6 + C_1C_3C_4R_3R_5R_6 - C_1C_3C_6R_3R_5R_6\right) + s^2\left(C_1C_2C_3R_3R_5 + C_1C_2C_6R_5R_6 + C_1C_3C_6R_3R_6 + C_1C_3C_6R_5R_6 +$$

9.991 X-INVALID-ORDER-991 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3C_4R_4R_6s + C_3R_6}{C_1C_2C_3C_4R_3R_4R_5s^3 - C_1 + s^2\left(C_1C_2C_3R_3R_5 + C_1C_2C_4R_4R_5 - C_1C_3C_4R_3R_4 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_4R_5\right) + s\left(C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 + C_2C_3R_5\right)}$

9.992 X-INVALID-ORDER-992 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4R_4s + C_3}{C_1C_2C_3C_4C_6R_3R_4R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_3R_5 + C_1C_2C_4C_6R_4R_5 - C_1C_3C_4C_6R_3R_4 + C_1C_3C_4C_6R_3R_5 + C_1C_3C_4C_6R_4R_5 \right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 + C_2C_3C_6R_5 \right)}$

9.993 X-INVALID-ORDER-993 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

9.994 X-INVALID-ORDER-994 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4R_4R_6s + C_3R_6}{C_1C_2C_3C_4C_6R_3R_4R_5R_6s^4 - C_1 + s^3\left(C_1C_2C_3C_4R_3R_4R_5 + C_1C_2C_4C_6R_4R_5R_6 + C_1C_3C_4C_6R_3R_5R_6 + C_1C_3C_4C_6R_5R_5R_6 + C_1C_3C_4C_6R_5R_5R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_$

9.995 X-INVALID-ORDER-995 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_4s + C_3C_5}{s^3\left(C_1C_2C_3C_4C_6R_3R_4 - C_1C_3C_4C_5C_6R_3R_4\right) + s^2\left(C_1C_2C_3C_6R_3 + C_1C_2C_4C_6R_4 + C_1C_3C_4C_6R_3 + C_1C_3C_5C_6R_3 - C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$

9.996 X-INVALID-ORDER-996 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_4R_6s^2 + C_3C_5 + s\left(C_3C_4C_5R_4 + C_3C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_4C_5R_3R_4 - C_1C_3C_4C_5R_3R_4\right) + s^2\left(C_1C_2C_3C_6R_3 + C_1C_2C_4C_6R_4 + C_1C_3C_4C_6R_3 + C_1C_3C_5C_6R_3 - C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$

9.997 X-INVALID-ORDER-997 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_4R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_3C_4C_6R_3R_4R_6 - C_1C_3C_4C_5R_3R_4 + C_1C_2C_3C_6R_3R_6 + C_1C_3C_4C_6R_3R_6 + C_1C_3C_4C_6R_3R_$

9.998 X-INVALID-ORDER-998 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_4R_6s + C_3C_5R_6}{C_1C_2C_3C_4C_5R_3R_4R_5s^3 + C_1C_2 + C_1C_3 + C_1C_2 + C_1C_3 + s^2\left(C_1C_2C_3C_4R_3R_4 + C_1C_2C_4C_5R_4R_5 - C_1C_3C_4C_5R_3R_4 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_4C_5R_4R_5 + C_2C_3C_4C_5R_4R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_2C_5R_5 + C_1C_3C_4C_5R_3R_4 + C_1C_3C_4C_5R_3R_4 + C_1C_3C_4C_5R_3R_4 + C_1C_3C_4C_5R_4R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_2C_5R_5 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_4R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_2C_5R_5 + C_1C_3C_4R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_2C_5R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_2C_5R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_2C_5R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_5\right) + s\left(C_1C_2C_3R_5 + C_1C_3C_4R_5\right) + s\left(C_1C_2C_3R_5 + C_1C_3C_5\right) + s\left(C_1C_2C_3C_4R_5\right) + s\left(C_1C_2C_3C_4R_5\right) + s\left(C_1C_2C_3C_4R$

9.999 X-INVALID-ORDER-999 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_4s + C_3C_5}{C_1C_2C_3C_4C_5C_6R_3R_4R_5s^4 + s^3\left(C_1C_2C_3C_4C_6R_3R_4 + C_1C_2C_4C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_3R_4 + C_1C_3C_4C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_4R_5 + C_2C_3C_4C_5C_6R_4R_5 + C_1C_3C_4C_5C_6R_3R_4 + C_1C_3C_4C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_5C_6R_5 + C_1C_3C_5C_5C_6R_5 + C_1C_$

9.1000 X-INVALID-ORDER-1000 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_4R_6s^2 + C_3C_5 + s\left(C_3C_4C_5R_4 + C_3C_5C_6R_6\right)}{C_1C_2C_3C_4C_5C_6R_3R_4 + C_1C_2C_3C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_3R_5 + C_1C_3C_4C_5C_6R_4R_5) + s^2\left(C_1C_2C_3C_6R_3 + C_1C_2C_4C_6R_4 + C_1C_2C_5C_6R_3 + C_1C_3C_4C_5C_6R_3 + C_1C_3C_5C_6R_3 + C_1C_3C_5C_6R_3 + C_1C_3C_5C_5C_6R_3 + C_1C_3C_5C_5C_6R_3 + C_1$

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9.1001 X-INVALID-ORDER-1001 Z(s) = \left(\frac{1}{C_1s}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)

H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_3R_4R_5R_6s^4 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3(C_1C_2C_3C_4C_6R_3R_4R_6 + C_1C_2C_3C_5C_6R_3R_6R_6 + C_1C_2C_4C_5C_6R_3R_4R_6 + C_1C_3C_4C_5C_6R_3R_4R_6 + C_1C_3C_4C_5C_4R_4R_6 + C_1C_3C_4C_5C_4R_4R_6 + C_1C_3C_4C_5C_4R_4R_6 + C_1C_3C_4C_5C_4R_4R_6 + C_1C_3C_4C_5C_4C_4C_4C_5C_4C_4C_4C_5C_4C_4C_5C_4C_4C_4C_5C_4C_4C_5C_4C_4C_4C_5C_4C_4C_5C_4C_4C_5C_4C_4C_5C_4C_4C_5C_5C_5
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 $H(s) = \frac{C_3C_4C_5R_4R_5s^2 + C_3 + s\left(C_3C_4R_4 + C_3C_5R_5\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_3R_4R_5 - C_1C_3C_4C_6R_3R_4 + C_1C_3C_4C_6R_3R_5 + C_1C_3C_4C_6R_5 + C_$

9.1004 X-INVALID-ORDER-1004 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_4R_5R_6s^3 + C_3 + s^2\left(C_3C_4C_5R_4R_5 + C_3C_4C_6R_4R_6 + C_3C_5C_6R_5R_6\right) + s\left(C_3C_4R_4 + C_3C_5R_5 + C_3C_6R_6\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_3R_4R_5 - C_1C_3C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4 + C_1C_3C_4C_6R_3R_5 + C_1C_3C_4C_6R_5 + C_1C_3C_4C_6R_5$

9.1005 X-INVALID-ORDER-1005 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-}{-C_1 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_3 R_4 R_5 R_6 - C_1 C_3 C_4 C_5 R_3 R_4 R_5 R_6 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 R_6 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 R_6 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 - C_1 C_3 C_4 C_6 R_3 R_5 R_6 - C_1 C_3 C_4 C_6 R_5 R_5 R_6 - C_1 C_3 C_4 C_6 R_5 R_5 R_6 - C_1 C_3 C_4 C_6 R_5 R_5 R_6 - C_1 C_3 C_5 C_6 R_5 R_5 R_6 - C_1 C_5 C_6 R_5 R_5 R_6 -$

9.1006 X-INVALID-ORDER-1006 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_4}{s^3 \left(C_1 C_2 C_3 C_6 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_3 R_4 R_5\right) + s^2 \left(C_1 C_2 C_6 R_4 R_5 - C_1 C_3 C_6 R_3 R_4 + C_1 C_3 C_6 R_3 R_5 + C_1 C_3 C_6 R_4 R_5 + C_1 C_4 C_6 R_4 R_5 + C_2 C_3 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 + C_1 C_6 R_5\right)}$

9.1007 X-INVALID-ORDER-1007 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_4R_6s + C_3R_4}{s^3\left(C_1C_2C_3C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$

9.1008 X-INVALID-ORDER-1008 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1009 X-INVALID-ORDER-1009 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3 + \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 - C_1C_3C_5C_6R_3R_4R_6\right) + s^2\left(C_1C_2C_3R_3R_4 + C_1C_3C_6R_4R_6 + C_1C$

9.1010 X-INVALID-ORDER-1010 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_5R_3R_4R_5 + C_1C_3C_4R_5R_4R_5\right) + s^2\left(C_1C_2C_3R_3R_4 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_3R_4 + C_1C_3C_5R_3R_4 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_5 + C_1C$

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9.1011 X-INVALID-ORDER-1011 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_5R_4}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_3C_4C_5C_6R_3R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_5R_5 + C_1C_5C_5C_6R_5R_5 + C_1C_5$

9.1012 X-INVALID-ORDER-1012 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_4R_6s + C_3C_5R_4}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_3C_4C_5C_6R_3R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_3R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_$

9.1013 X-INVALID-ORDER-1013 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 + C_1 C_2 C_5 C_6 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_3 R_4 R_6 + C_1 C_3 C_5 C_6 R_3 R_4 R_5 + C_1 C_3 C_5 C_6 R_3 R_5 + C_1 C_3 C_5 C_6 R_5 R_5 + C_1 C_3 C_5 C_6 R_5 R_5 + C_1 C_5 C$

9.1014 X-INVALID-ORDER-1014 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & R_3 + \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_4R_5s + C_3R_4}{s^3\left(C_1C_2C_3C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 - C_1C_3C_5C_6R_3R_4R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_$

9.1015 X-INVALID-ORDER-1015 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_4R_5R_6s^2 + C_3R_4 + s\left(C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 - C_1C_3C_5C_6R_3R_4R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C$

9.1016 X-INVALID-ORDER-1016 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_3C_5R_4R_5R_6s + C_3R_4R_6$

 $\frac{\cup_{3}\cup_{5}R_{4}R_{5}R_{6}s+\cup_{3}R_{4}R_{5}}{-C_{1}R_{4}+C_{1}R_{5}+s^{3}\left(C_{1}C_{2}C_{3}C_{6}R_{3}R_{4}R_{5}R_{6}+C_{1}C_{3}C_{6}R_{3}R_{4}R_{5}R_{6}-C_{1}C_{3}C_{5}C_{6}R_{3}R_{4}R_{5}R_{6}+C_{1}C_{2}C_{6}R_{4}R_{5}R_{6}+C_{1}C_{3}C_{6}R_{3}R_{4}R_{5}-C_{1}C_{3}C_{6}R_{3}R_{4}R_{5}-C_{1}C_{3}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{4}R_{5}+C_{1}$

9.1017 X-INVALID-ORDER-1017 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_3 R_4 R_6 s + R_4 R_6}{s^2 \left(C_1 C_2 R_3 R_4 R_5 + C_1 C_3 R_3 R_4 R_5 + C_2 C_3 R_3 R_4 R_5\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$

9.1018 X-INVALID-ORDER-1018 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_3 R_4 s + R_4}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 + C_1 C_3 C_6 R_3 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5 \right)}$

9.1019 X-INVALID-ORDER-1019 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_3R_4R_6s^2 + R_4 + s\left(C_3R_3R_4 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1020 X-INVALID-ORDER-1020 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_3 R_4 R_6 s + R_4 R_6}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_3 R_4 R_5 R_6 + C_1 C_3 R_3 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 R_6 + C_1 C_6 R_4 R_5 R_6 + C_2 C_3 R_3 R_4 R_5 + C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5 \right)}$

9.1021 X-INVALID-ORDER-1021 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & R_4, & \frac{1}{C_5 s}, & R_6 \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_3R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s\left(C_1C_2R_3R_4 + C_1C_3R_3R_4 - C_1C_5R_3R_4 + C_2C_3R_3R_4\right)}$$

9.1022 X-INVALID-ORDER-1022 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_3R_4s + C_5R_4}{s^2\left(C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1023 X-INVALID-ORDER-1023 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_3R_4R_6s^2 + C_5R_4 + s\left(C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{s^2\left(C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1024 X-INVALID-ORDER-1024 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_3R_4s + C_5R_4}{s^3\left(C_1C_2C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_2C_3C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_3R_4 + C_2C_5C_6R_4R_5\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1025 X-INVALID-ORDER-1025 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

9.1026 X-INVALID-ORDER-1026 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1027 X-INVALID-ORDER-1027 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_3R_4R_5R_6s^2 + R_4R_6 + s\left(C_3R_3R_4R_6 + C_5R_4R_5R_6\right)}{s^2\left(C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 - C_1C_5R_3R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$$

9.1028 X-INVALID-ORDER-1028 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & R_4, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_3R_4R_5s^2 + R_4 + s\left(C_3R_3R_4 + C_5R_4R_5\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.1029 X-INVALID-ORDER-1029 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_3R_4R_5R_6s^3 + R_4 + s^2\left(C_3C_5R_3R_4R_5 + C_3C_6R_3R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_3R_3R_4 + C_5R_4R_5 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.1030 X-INVALID-ORDER-1030 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & R_4, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_3R_4R_5R_6s^2 + R_4R_6 + s\left(C_3R_3R_4R_5 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5R_6 + C_1C_3C_6R_3R_4R_5R_6 + C_1C_5C_6R_3R_4R_5R_6 + C_1C_5R_3R_4R_5 + C_1C_6R_3R_4R_5 + C_1C_6R_4R_5R_6 + C$$

9.1031 X-INVALID-ORDER-1031 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_3 R_6 s + R_6}{s^2 \left(C_1 C_2 R_3 R_5 + C_1 C_3 R_3 R_5 + C_1 C_4 R_3 R_5 + C_2 C_3 R_3 R_5 \right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5 \right)}$$

9.1032 X-INVALID-ORDER-1032 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_3 s + 1}{s^3 \left(C_1 C_2 C_6 R_3 R_5 + C_1 C_3 C_6 R_3 R_5 + C_1 C_4 C_6 R_3 R_5 + C_2 C_3 C_6 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5\right)}$$

9.1033 X-INVALID-ORDER-1033 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_3R_6s^2 + s\left(C_3R_3 + C_6R_6\right) + 1}{s^3\left(C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$$

9.1034 X-INVALID-ORDER-1034 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{1}{C_4 s}, & R_5, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

$$H(s) = \frac{C_3 R_3 R_6 s + R_6}{s^3 \left(C_1 C_2 C_6 R_3 R_5 R_6 + C_1 C_3 C_6 R_3 R_5 R_6 + C_1 C_4 C_6 R_3 R_5 R_6 + C_2 C_3 C_6 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 - C_1 C_6 R_3 R_6 + C_1 C_6 R_5 R_6 + C_2 C_3 R_3 R_5 + C_2 C_6 R_5 R_6\right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5 R_6\right)}$$

9.1035 X-INVALID-ORDER-1035 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_3R_6s + C_5R_6}{C_1 + C_2 + s\left(C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 - C_1C_5R_3 + C_2C_3R_3\right)}$$

9.1036 X-INVALID-ORDER-1036 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_3s + C_5}{s^2\left(C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_2C_3C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.1037 X-INVALID-ORDER-1037 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_3R_6s^2 + C_5 + s\left(C_3C_5R_3 + C_5C_6R_6\right)}{s^2\left(C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_2C_3C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.1038 X-INVALID-ORDER-1038 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_3s + C_5}{s^3\left(C_1C_2C_5C_6R_3R_5 + C_1C_3C_5C_6R_3R_5 + C_2C_3C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_2C_3C_6R_3 + C_2C_5C_6R_5\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.1039 X-INVALID-ORDER-1039 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_3R_6s^2 + C_5 + s\left(C_3C_5R_3 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_5C_6R_3R_5 + C_1C_3C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_2C_3C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_2C_3C_6R_3 + C_2C_5C_6R_5\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.1040 X-INVALID-ORDER-1040 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_3C_5R_3R_6s + C_5R_6}{C_1 + C_2 + s^3\left(C_1C_2C_5C_6R_3R_5R_6 + C_1C_3C_5C_6R_3R_5R_6 + C_1C_4C_5C_6R_3R_5R_6 + C_1C_3C_5R_3R_5 + C_1C_2C_6R_3R_6 + C_1C_3C_5R_3R_5 + C_1C_4C_6R_3R_6 + C_1C_5C_6R_3R_6 + C_1C_5C_6R_3R_5R_6 + C_1C_5C_6R_3R_5R_6 + C_1C_5C_6R_5R_6 + C_1C_5C_6R_5R_5 + C_1C_5C_$$

9.1041 X-INVALID-ORDER-1041 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$ $H(s) = \frac{C_3C_5R_3R_5R_6s^2 + R_6 + s\left(C_3R_3R_6 + C_5R_5R_6\right)}{s^2\left(C_1C_2R_3R_5 + C_1C_3R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_5 + C_2C_3R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$ **9.1042** X-INVALID-ORDER-1042 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5R_3R_5s^2 + s\left(C_3R_3 + C_5R_5\right) + 1}{s^3\left(C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1043** X-INVALID-ORDER-1043 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5C_6R_3R_5R_6s^3 + s^2\left(C_3C_5R_3R_5 + C_3C_6R_3R_6 + C_5C_6R_5R_6\right) + s\left(C_3R_3 + C_5R_5 + C_6R_6\right) + 1}{s^3\left(C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1044** X-INVALID-ORDER-1044 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$ $H(s) = \frac{C_3C_5R_3R_5R_6s^2 + R_6 + s\left(C_3R_3R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_6R_3R_5R_6 + C_1C_3C_6R_3R_5R_6 + C_1C_5C_6R_3R_5R_6 + C_2C_3C_6R_3R_5R_6\right) + s^2\left(C_1C_2R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_5 - C_1C_6R_3R_6 + C_2C_3R_3R_5 + C_2C_6R_5R_6\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$ **9.1045** X-INVALID-ORDER-1045 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$ $H(s) = \frac{C_3C_4R_3R_4R_6s^2 + R_6 + s\left(C_3R_3R_6 + C_4R_4R_6\right)}{s^3\left(C_1C_2C_4R_3R_4R_5 + C_1C_3C_4R_3R_4R_5 + c_2C_3C_4R_3R_4R_5\right) + s^2\left(C_1C_2R_3R_5 + C_1C_3R_3R_5 - C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_2C_3R_3R_5 + C_2C_4R_4R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$ **9.1046** X-INVALID-ORDER-1046 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_4R_3R_4s^2 + s\left(C_3R_3 + C_4R_4\right) + 1}{s^4\left(C_1C_2C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_2C_3C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_2C_3C_6R_3R_5 + C_2C_4C_6R_4R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1047** X-INVALID-ORDER-1047 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_4C_6R_3R_4R_6s^3 + s^2\left(C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_4R_6\right) + s\left(C_3R_3 + C_4R_4 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_2C_3C_4C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 +$ **9.1048** X-INVALID-ORDER-1048 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $\frac{C_{3}C_{4}R_{3}R_{4}R_{6}s^{2} + R_{6} + s\left(C_{3}R_{3}R_{6} + C_{4}R_{4}R_{6}\right)}{s^{4}\left(C_{1}C_{2}C_{4}C_{6}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{3}C_{4}C_{6}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{3}C_{4}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{6}R_{3}R_{5}R_{6} + C_{1}C_{3}C_{4}R_{3}R_{4}R_{5} + C_{1}C_{4}C_{6}R_{3}R_{4}R_{5} + C_{1}C_{4}C_{6}R_{3}$ **9.1049** X-INVALID-ORDER-1049 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.1050 X-INVALID-ORDER-1050 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_3R_4R_6s^3 + C_5 + s^2\left(C_3C_4C_5R_3R_4 + C_3C_5C_6R_3R_6 + C_4C_5C_6R_4R_6\right) + s\left(C_3C_5R_3 + C_4C_5R_4 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_4C_6R_3R_4 + C_1C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4\right) + s^2\left(C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_3 + C_2C_3C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_1C_5C_6R_3R_4 + C_2C_4C_6R_3 + C_2C_4C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_3C_5R_3 + C_4C_5R_4 + C_5C_6R_3 + C_4C_5R_4 + C_5C_6R_4\right) + s\left(C_3C_5R_3 + C_4C_5R_4\right) + s\left(C_3C_5R_4\right) + s\left(C_3C$$

 $H(s) = \frac{C_3C_4C_5R_3R_4s^2 + C_5 + s\left(C_3C_5R_3 + C_4C_5R_4\right)}{s^3\left(C_1C_2C_4C_6R_3R_4 + C_1C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_2C_3C_4C_6R_3R_4 + C_1C_3C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_3 + C_2C_3C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_1C_6 + C_2C_6\right)}$

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9.1051 X-INVALID-ORDER-1051 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
H(s) = \frac{C_3C_4C_5R_3R_4R_6s^2 + C_5R_6 + s\left(C_3C_5R_3R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_4C_5R_3R_4 + C_1C_2C_6R_3R_6 + C_1C_4C_5R_3R_4 + C_1C_4C_6R_3R_6 + C_1C_4C_6R_3R_6 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_6 + C_1C_4C_6R_3R
9.1052 X-INVALID-ORDER-1052 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_4C_5R_3R_4R_6s^2 + C_5R_6 + s\left(C_3C_5R_3R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_4C_5R_3R_4R_5 + C_1C_3C_4C_5R_3R_4R_5 + C_1C_4C_5R_3R_4 + C_1C_3C_5R_3R_5 + C_1C_4C_5R_3R_4 + C_1C_4C_5R_4R_5 + C_2C_4C_5R_4R_5 + C_2C_4C_5R_5R_5 + C_2C_4C_5R_5R
9.1053 X-INVALID-ORDER-1053 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5R_3R_4s^2 + C_5 + s\left(C_3C_5R_3 + C_4C_5R_4\right)}{s^4\left(C_1C_2C_4C_5C_6R_3R_4R_5 + C_1C_3C_4C_5C_6R_3R_4 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_5 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_3R_5 + C
9.1054 X-INVALID-ORDER-1054 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5C_6R_3R_4R_6s^3 + C_5 + s^2\left(C_3C_4C_5R_3R_4 + C_3C_5C_6R_3R_6 + C_4C_5C_6R_4R_6\right) + s\left(C_3C_5R_3 + C_4C_5C_6R_3R_4 + 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_{3}C_{4}C_{5}C_{6}R_{3}R_{4}R_{6}s^{3} + C_{5} + s^{2}\left(C_{3}C_{4}C_{5}R_{3}R_{4} + C_{3}C_{5}C_{6}R_{3}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{3}C_{5}R_{3} + C_{4}C_{5}R_{4} + C_{5}C_{6}R_{3}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{3}C_{5}R_{3} + C_{4}C_{5}R_{4} + C_{5}C_{6}R_{3}R_{6}\right) + s\left(C_{3}C_{5}R_{3} + C_{4}C_{5}R_{6}\right) + s\left(C_{3}C_{5}R_{5} + C_{5}C_{5}R_{5}\right) + s\left(C_{5}C_{5}R_{5} + C_{5}C_{5}R_{5}\right) + s\left(C_{5
9.1055 X-INVALID-ORDER-1055 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
H(s) = \frac{1}{C_1 + C_2 + s^4 \left( C_1 C_2 C_4 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_5 R_5 + C_1 C_3 C_5 C_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 + C
9.1056 X-INVALID-ORDER-1056 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                           H(s) = \frac{C_3C_4C_5R_3R_4R_5R_6s^3 + R_6 + s^2\left(C_3C_4R_3R_4R_6 + C_3C_5R_3R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_3R_3R_6 + C_4R_4R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_4R_3R_4R_5 + C_1C_3C_4R_3R_4R_5 + C_1C_4R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_3R_5 + C_1C_5R_3R_5 + C_2C_4R_4R_5\right) + s\left(C_1R_3C_4R_3R_4R_5 + C_1C_4R_3R_5 + C_1C_4R_5R_5 
9.1057 X-INVALID-ORDER-1057 Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5R_3R_4R_5s^3 + s^2\left(C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s\left(C_3R_3 + C_4R_4 + C_5R_5\right) + 1}{s^4\left(C_1C_2C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 +
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9.1058 X-INVALID-ORDER-1058 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_3R_4R_5R_6s^4 + s^3\left(C_3C_4C_5R_3R_4R_5 + C_3C_4C_6R_3R_4R_5 + C_3C_5C_6R_3R_5R_6 + C_4C_5C_6R_4R_5R_6\right) + s^2\left(C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_6R_4R_5 + C_4C_6R_4R_6 + C_5C_6R_5R_6\right) + s\left(C_3R_3 + C_4R_4 + C_5R_5 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C$

9.1059 X-INVALID-ORDER-1059 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_4C_5R_3R_4R_5R_6s^3 + R_6 + s^2\left(C_3C_4R_3R_4R_5R_6 + C_3C_5R_3R_4R_5R_6 + C_3C_4R_3R_4R_5R_6 + C_3C_4R_5R_5R_6 + C_3C_$

9.1060 X-INVALID-ORDER-1060 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_3 R_4 R_6 s + R_4 R_6}{s^2 \left(C_1 C_2 R_3 R_4 R_5 + C_1 C_3 R_3 R_4 R_5 + C_1 C_4 R_3 R_4 R_5 + C_2 C_3 R_3 R_4 R_5\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.1061 X-INVALID-ORDER-1061 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_3 R_4 s + R_4}{s^3 \left(C_1 C_2 C_6 R_3 R_4 R_5 + C_1 C_3 C_6 R_3 R_4 R_5 + C_1 C_4 C_6 R_3 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5 \right)}$$

9.1062 X-INVALID-ORDER-1062 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_3R_4R_6s^2 + R_4 + s\left(C_3R_3R_4 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.1063 X-INVALID-ORDER-1063 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$

9.1064 X-INVALID-ORDER-1064 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_3R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s\left(C_1C_2R_3R_4 + C_1C_3R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_2C_3R_3R_4\right)}$$

9.1065 X-INVALID-ORDER-1065 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_3R_4s + C_5R_4}{s^2\left(C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1066 X-INVALID-ORDER-1066 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_3R_4R_6s^2 + C_5R_4 + s\left(C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{s^2\left(C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1067 X-INVALID-ORDER-1067 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_3R_4s + C_5R_4}{s^3\left(C_1C_2C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_1C_4C_5C_6R_3R_4R_5 + C_2C_3C_5C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_$$

9.1068 X-INVALID-ORDER-1068 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$C_3C_5C_6R_3R_4R_6s^2 + C_5R_4 + s\left(C_3C_5R_3R_4 + C_5C_6R_4R_6\right)$$

 $\frac{C_{3}C_{5}C_{6}R_{3}R_{4}R_{6}s^{2}+C_{5}R_{4}+s\left(C_{3}C_{5}R_{3}R_{4}+C_{5}C_{6}R_{4}R_{6}\right)}{s^{3}\left(C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{2}C_{5}C_{6}R_{3}R_{4}+C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{2}C_{5}C_{6}R_{3}R_{4}+C$

9.1069 X-INVALID-ORDER-1069 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_3R_4R_6s_5}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_5C_6R_3R_4R_5R_6 + C_1C_3C_5C_6R_3R_4R_5R_6 + C_2C_3C_5C_6R_3R_4R_5R_6 + C_2C_3C_5C_6R_3R_4R_5R_6 + C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5$

9.1070 X-INVALID-ORDER-1070 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_3R_4R_5R_6s^2 + R_4R_6 + s\left(C_3R_3R_4R_6 + C_5R_4R_5R_6\right)}{s^2\left(C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_3R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$$

9.1071 X-INVALID-ORDER-1071 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5R_3R_4R_5s^2 + R_4 + s\left(C_3R_3R_4 + C_5R_4R_5\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$ **9.1072** X-INVALID-ORDER-1072 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5C_6R_3R_4R_5R_6s^3 + R_4 + s^2\left(C_3C_5R_3R_4R_5 + C_3C_6R_3R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_3R_3R_4 + C_5R_4R_5 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$ **9.1073** X-INVALID-ORDER-1073 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$ $H(s) = \frac{C_3C_5R_3R_4R_5R_6s^2 + R_4R_6 + s\left(C_3R_3R_4R_5R_6 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_6R_3R_4R_5R_6 + C_1C_3C_6R_3R_4R_5R_6 + C_1C_5C_6R_3R_4R_5R_6 + C_2C_3C_6R_3R_4R_5R_6\right) + s^2\left(C_1C_2R_3R_4R_5 + C_1C_4R_3R_4R_5 + C_1C_4R_3R_4R_5 + C_1C_6R_3R_4R_5 + C_1$ **9.1074** X-INVALID-ORDER-1074 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$ $H(s) = \frac{C_2R_2R_4R_6s + R_4R_6}{s^2\left(-C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$ **9.1075** X-INVALID-ORDER-1075 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2 R_2 R_4 s + R_4}{s^3 \left(-C_1 C_2 C_6 R_2 R_3 R_4 + C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_4 R_5 + C_1 C_2 C_6 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5\right)}$ **9.1076** X-INVALID-ORDER-1076 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_6R_2R_4R_6s^2 + R_4 + s\left(C_2R_2R_4 + C_6R_4R_6\right)}{s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$ **9.1077** X-INVALID-ORDER-1077 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_2 R_2 R_4 R_6 s + R_4 R_6}{s^3 \left(-C_1 C_2 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 R_2 R_3 R_4 + C_1 C_2 R_2 R_3 R_4 + C_1 C_2 R_2 R_4 R_5 + C_1 C_2 R_3 R_4 R_6 + C_1 C_6 R_3 R_5 R_6 + C_1 C_6 R_4 R_5 R$ **9.1078** X-INVALID-ORDER-1078 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_5R_2R_4s + C_5R_4}{-C_1C_2C_5C_6R_2R_3R_4s^3 + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$ **9.1079** X-INVALID-ORDER-1079 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5C_6R_2R_4R_6s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{-C_1C_2C_5C_6R_2R_3R_4s^3 + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$

9.1080 X-INVALID-ORDER-1080 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_6s + C_5R_4R_6}{-C_1C_2C_5C_6R_2R_3R_4R_6s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(-C_1C_2C_5R_2R_3R_4 + C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_3R_4R_6\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_5R_3R_4 + C_1C_6R_3R_6 + C_1C_6R_4R_6 + C_2C_6R_4R_6\right)}$

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9.1081 X-INVALID-ORDER-1081 Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right)
\frac{C_2 C_5 R_2 R_4 s + C_5 R_4}{s^3 \left(-C_1 C_2 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_5 C_6 R_3 R_4 R_5\right) + s^2 \left(C_1 C_2 C_6 R_2 R_3 + C_1 C_2 C_6 R_2 R_4 + C_1 C_2 C_6 R_3 R_4 + C_1 C_5 C_6 R_3 R_5 + C_1 C_5 C_6 R_4 R_5\right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 R_5 + C_1 C_5 C_6 R_3 R_4 + C_1 C_5 C_6 R_4 R_5 + C_2 C_5 C_6 R_4 R_5\right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 R_5 + C_1 C_5 C_6 R_3 R_4 + C_1 C_5 C_6 R_3 R_4 + C_1 C_5 C_6 R_3 R_4 + C_1 C_5 C_6 R_4 R_5 + C_1 C_5 C_6 R_4 R_5\right) + s \left(C_1 C_6 R_3 + C_1 C_6 R_4 R_5 + C_1 C_5 C_6 R_4 R_5\right)
9.1082 X-INVALID-ORDER-1082 Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_2C_5C_6R_2R_4R_6s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{s^3\left(-C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_5 + C_1C_2C_5C_6R_2R_4R_5 + s\left(C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_5 + C_1C_5C_5C_6R_3R_5 + C_1C_5C_5C_6R_5R_5 + C_1C_5C_5C_6R_5$

9.1083 X-INVALID-ORDER-1083 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(-C_1C_2C_5C_6R_2R_3R_4R_6 + C_1C_2C_5C_6R_2R_3R_5R_6 + C_1C_2C_5C_6R_2R_4R_5R_6 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_2R_4R_5 + C$

9.1084 X-INVALID-ORDER-1084 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_5R_6s^2 + R_4R_6 + s\left(C_2R_2R_4R_6 + C_5R_4R_5R_6\right)}{-C_1C_2C_5R_2R_3R_4R_5s^3 + s^2\left(-C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 - C_1C_5R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

9.1085 X-INVALID-ORDER-1085 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_5s^2 + R_4 + s\left(C_2R_2R_4 + C_5R_4R_5\right)}{-C_1C_2C_5C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1086 X-INVALID-ORDER-1086 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5C_6R_2R_4R_5R_6s^3 + R_4 + s^2\left(C_2C_5R_2R_4R_5 + C_2C_6R_2R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_2R_2R_4 + C_5R_4R_5 + C_6R_4R_6\right)}{-C_1C_2C_5C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1087 X-INVALID-ORDER-1087 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_5R_6s^2 + R_4R_6 + s\left(C_2R_2R_4R_6 + C_5R_4R_5R_6\right)}{-C_1C_2C_5C_6R_2R_3R_4R_5R_6s^4 + s^3\left(-C_1C_2C_5R_2R_3R_4R_5 - C_1C_2C_6R_2R_3R_4R_5 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6\right) + s^2\left(-C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_4 + C_1C_2R_3R_4R_5 + C_1C_2R_3R_4R_5 - C_1C_5R_3R_4R_5 - C_1C_5R_5R_5R_5 -$

9.1088 X-INVALID-ORDER-1088 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_2R_2R_6s + R_6}{C_1C_2C_4R_2R_3R_5s^3 + s^2\left(-C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$

9.1089 X-INVALID-ORDER-1089 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2R_2s + 1}{C_1C_2C_4C_6R_2R_3R_5s^4 + s^3\left(-C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$

9.1090 X-INVALID-ORDER-1090 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_6R_2R_6s^2 + s\left(C_2R_2 + C_6R_6\right) + 1}{C_1C_2C_4C_6R_2R_3R_5s^4 + s^3\left(-C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$

9.1091 X-INVALID-ORDER-1091 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2 R_2 R_6 s + R_6}{C_1 C_2 C_4 C_6 R_2 R_3 R_5 R_6 s^4 + s^3 \left(C_1 C_2 C_4 R_2 R_3 R_5 - C_1 C_2 C_6 R_2 R_3 R_6 + C_1 C_2 C_6 R_2 R_5 R_6 + C_1 C_2 C_6 R_3 R_5 R_6 + C_1 C_2 R_2 R_3 + C_1 C_2 R_2 R_3 + C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 - C_1 C_6 R_3 R_6 + C_1 C_6 R_5 R_6 + C_1 C_6 R_5$

9.1092 X-INVALID-ORDER-1092 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5R_2s + C_5}{s^3\left(C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$

9.1093 X-INVALID-ORDER-1093 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5C_6R_2R_6s^2 + C_5 + s\left(C_2C_5R_2 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$

9.1094 X-INVALID-ORDER-1094 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_1 + C_2 + s^3\left(C_1C_2C_4C_6R_2R_3R_6 - C_1C_2C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3 + C_1C_2C_6R_2R_6 + C_1C_2C_6R_3R_6 + C_1C_4C_6R_3R_6 - C_1C_5C_6R_3R_6\right) + s\left(C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_6R_6 + C_2C_6R_6\right)}$

9.1095 X-INVALID-ORDER-1095 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_1C_2C_4C_5R_2R_3R_5s^3 + C_1 + C_2 + s^2\left(C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_3R_5 + C_1C_4C_5R_3R_5\right) + s\left(C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_5R_5 + C_2C_5R_5\right)}$

9.1096 X-INVALID-ORDER-1096 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5R_2s + C_5}{C_1C_2C_4C_5C_6R_2R_3R_5s^4 + s^3\left(C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_3R_5 + c_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5 + c_2C_5C_6R_5\right) + s\left(C_1C_6C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_1C_5C_5C_6R_5\right) + s\left(C_1C_5C_6R_5 + C_1C_5C_5C_6R_5\right) + s\left(C_1C_5C_5C_6R_5\right) + s\left(C_1C_5C_5C_6R_5\right) + s\left(C_1C_5C_5C_6R_5\right)$

9.1097 X-INVALID-ORDER-1097 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5C_6R_2R_6s^2 + C_5 + s\left(C_2C_5R_2 + C_5C_6R_6\right)}{C_1C_2C_4C_5C_6R_2R_3R_5s^4 + s^3\left(C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_6 + C_2C_6\right)}$

9.1098 X-INVALID-ORDER-1098 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_5R_2R_3R_5R_6s^4 + C_1 + C_2 + s^3\left(C_1C_2C_4C_5R_2R_3R_5 + C_1C_2C_5C_6R_2R_3R_6 + C_1C_2C_5C_6R_2R_3R_6 + C_1C_2C_5C_6R_2R_3R_5R_6 + C_1C_2C_5C_6R_3R_5R_6 + C_1C_2C_5R_3R_5R_6 + C_1C_2C_5R_3R_5 + C_1C_$

9.1099 X-INVALID-ORDER-1099 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_5R_6s^2 + R_6 + s\left(C_2R_2R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_4R_2R_3R_5 - C_1C_2C_5R_2R_3R_5\right) + s^2\left(-C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$

9.1100 X-INVALID-ORDER-1100 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5R_2R_5s^2 + s\left(C_2R_2 + C_5R_5\right) + 1}{s^4\left(C_1C_2C_4C_6R_2R_3R_5 - C_1C_2C_5C_6R_2R_3R_5\right) + s^3\left(-C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$

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9.1101 X-INVALID-ORDER-1101 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                    H(s) = \frac{C_2C_5C_6R_2R_5R_6s^3 + s^2\left(C_2C_5R_2R_5 + C_2C_6R_2R_6 + C_5C_6R_5R_6\right) + s\left(C_2R_2 + C_5R_5 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_4C_6R_2R_3R_5 - C_1C_2C_5C_6R_2R_3R_5\right) + s^3\left(-C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}
9.1102 X-INVALID-ORDER-1102 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_5R_2R_5R_6s^2 + R_6 + s\left(C_2R_2R_6 + C_5R_5R_6\right)}{s^4\left(C_1C_2C_4C_6R_2R_3R_5R_6 - C_1C_2C_5C_6R_2R_3R_5 - C_1C_2C_5R_2R_3R_5 - C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_2R_3R_5 + C_1C_2C_6R_2R_3R_5 - C_1C_2C_4R_2R_3R_5 - C_1C_2C_4R_2R
9.1103 X-INVALID-ORDER-1103 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
                                                                                        H(s) = \frac{C_2C_4R_2R_4R_6s^2 + R_6 + s\left(C_2R_2R_6 + C_4R_4R_6\right)}{s^3\left(-C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_2C_4R_2R_4R_5 + C_1C_2C_4R_3R_4R_5\right) + s^2\left(-C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_4R_5 + C_2C_4R_4R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}
9.1104 X-INVALID-ORDER-1104 Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_4R_2R_4s^2 + s\left(C_2R_2 + C_4R_4\right) + 1}{s^4\left(-C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 + C_
9.1105 X-INVALID-ORDER-1105 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_4C_6R_2R_4R_6s^3 + s^2\left(C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_4C_6R_4R_6\right) + s\left(C_2R_2 + C_4R_4 + C_6R_6\right) + 1}{s^4\left(-C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 + C
9.1106 X-INVALID-ORDER-1106 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_4R_2R_4R_6s^2 + R_6 + s\left(C_2R_2R_3R_4R_6 + C_1C_2C_4C_6R_2R_3R_4R_6 + C_1C_2C_4C_6R_2R_3R_4R_6 + s\left(C_2R_2R_3R_4R_6 + C_1C_2C_4R_3R_4R_6 + C_1C_2C_4R_4R_5R_6 + C
9.1107 X-INVALID-ORDER-1107 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                              H(s) = \frac{C_2C_4C_5R_2R_4R_6s^2 + C_5R_6 + s\left(C_2C_5R_2R_6 + C_4C_5R_4R_6\right)}{-C_1C_2C_4C_5R_2R_3R_4s^3 + C_1 + C_2 + s^2\left(C_1C_2C_4R_2R_3 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_3R_4 - C_1C_2C_5R_2R_3 - C_1C_4C_5R_3R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_4R_4\right)}
9.1108 X-INVALID-ORDER-1108 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                            H(s) = \frac{C_2C_4C_5R_2R_4s^2 + C_5 + s\left(C_2C_5R_2 + C_4C_5R_4\right)}{-C_1C_2C_4C_5R_2R_3R_4s^4 + s^3\left(C_1C_2C_4C_6R_2R_3 + C_1C_2C_4C_6R_2R_4 + C_1C_2C_4C_6R_3R_4 - C_1C_2C_5C_6R_2R_3 - C_1C_4C_5C_6R_3R_4\right) + s^2\left(C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_
9.1109 X-INVALID-ORDER-1109 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                            H(s) = \frac{C_2C_4C_5C_6R_2R_4R_6s^3 + C_5 + s^2\left(C_2C_4C_5R_2R_4 + C_2C_5C_6R_2R_6 + C_4C_5C_6R_4R_6\right) + s\left(C_2C_5R_2 + C_4C_5R_4 + C_5C_6R_6\right)}{-C_1C_2C_4C_5C_6R_2R_3R_4s^4 + s^3\left(C_1C_2C_4C_6R_2R_3 + C_1C_2C_4C_6R_2R_4 + C_1C_2C_5C_6R_2R_3 - C_1C_4C_5C_6R_3R_4\right) + s^2\left(C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_1C_6C_6R_3R_4 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_4 + C_1C_4C_6R_4\right) + s\left(C_1C_6C_6R_3R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4\right) + s\left(C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4\right) + s\left(C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4\right) + s\left(C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4\right) + s\left(C_1C_4C_6R_4 + C_1C_4C_6R_4\right) + s\left(C_1C_4C_6R_4\right) + s\left(C_1C_4C_6R_4\right) + s\left(C_1C_4C_6R_4\right) + s\left(C_1C_4C_4C_4\right) + s\left(C_1C_4C_4\right) + s\left(C_1C_4C_4\right) + s\left(C_1C_4C_4\right) + s\left(C_1C_4C_4\right) + s\left(C_1C_4C_4\right
9.1110 X-INVALID-ORDER-1110 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_2C_4C_5R_2R_3R_4R_6s^4 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_6 + C_1C_2C_4C_6R_2R_3R_6 + C_1C_2C_4C_6R_2R_3R_6 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_4R_4 + C_1C_2C_4C_6R_4R_4 + C_1C_2C_4C_6R_4R_4 + C_1C_2C_4C_6R_4R_4 + C_1C_2C_4C_6R_4R_4 + C_1C$

 $C_2C_4C_5R_2R_4R_6s^2 + C_5R_6 + s\left(C_2C_5R_2R_6 + C_4C_5R_4R_6\right)$

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9.1111 X-INVALID-ORDER-1111 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_2C_4C_5R_2R_4R_6s^2 + C_5R_6 + s(C_2C_5R_2R_6 + C_4C_5R_4R_6)
H(s) = \frac{C_2C_4C_5R_2R_4R_6s^2 + C_5R_6 + s\left(C_2C_5R_2R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^3\left(-C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_4C_5R_2R_4R_5 + C_1C_2C_4C_5R_3R_4 + C_1C_2C_4R_2R_3 + C_1C_2C_4R_2R_4 + C_1C_2C_5R_2R_3 + C_1C_2C_5R_2R_5 + C_1C_4C_5R_3R_4 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_5R_5 + C_1C_4C_5
9.1112 X-INVALID-ORDER-1112 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_4C_5R_2R_4s^2 + C_5 + s\left(C_2C_5R_2 + C_4C_5R_4\right)}{s^4\left(-C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_2C_4C_5C_6R_2R_3R_5 + C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_3R_4 + C_1C_2C_4C_6R_2R_4 + C_1C_2C_4C_6R_2R_3 + C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6R_2R_5 + C_1C_4C_5C_6R_3R_4 + 
9.1113 X-INVALID-ORDER-1113 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_4C_5C_6R_2R_4R_6s^3 + C_5 + s^2\left(C_2C_4C_5R_2R_4 + C_2C_5C_6R_2R_6 + C_4C_5C_6R_4R_6\right) + s\left(C_2C_5R_2 + C_4C_5C_6R_2R_4 + C_4C_5C_6R_3R_4 + 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_{2}C_{4}C_{5}C_{6}R_{2}R_{4}R_{6}s^{3} + C_{5} + s^{2}\left(C_{2}C_{4}C_{5}R_{2}R_{4} + C_{2}C_{5}C_{6}R_{2}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{2}R_{4} + C_{2}C_{5}C_{6}R_{2}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{2}R_{4} + C_{2}C_{5}C_{6}R_{2}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{2}R_{4} + C_{2}C_{5}C_{6}R_{2}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{2}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{2}R_{6} + C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{6}R_{6}\right) + s\left(C_{2}C_{5}R_{2} + C_{4}C_{5}R_{6}\right) + s\left(C_{2}C_{5}R_{6}R_{6} + C_{4}C_{5}R_{6}\right) + s\left(C_{2}C_{5}R_{6}R_{6}\right) + s\left(C_{2}
9.1114 X-INVALID-ORDER-1114 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1 + C_2 + s^4 \left(-C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_5 R_5 +
9.1115 X-INVALID-ORDER-1115 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_2C_4C_5R_2R_4R_5R_6s^3 + R_6 + s^2\left(C_2C_4R_2R_4R_6 + C_2C_5R_2R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_2R_2R_6 + C_4R_4R_6 + C_5R_5R_6\right)}{-C_1C_2C_4R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_4C_5R_3R_4R_5\right) + s^2\left(-C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_5R_5 +
9.1116 X-INVALID-ORDER-1116 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_4C_5R_2R_4R_5s^3 + s^2\left(C_2C_4R_2R_4 + C_2C_5R_2R_5 + C_4C_5R_4R_5\right) + s\left(C_2R_2 + C_4R_4 + C_5R_5\right) + 1}{-C_1C_2C_4C_5R_2R_3R_4R_5s^5 + s^4\left(-C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_4R_4 + C_1C_4C_6
9.1117 X-INVALID-ORDER-1117 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_4C_5C_6R_2R_4R_5R_6s^4 + s^3\left(C_2C_4C_5R_2R_4R_5 + C_2C_4C_6R_2R_4R_6 + C_2C_5C_6R_2R_5R_6 + C_4C_5R_4R_5 + C_2C_6R_2R_5 + C_2C_6R_2R_6 + C_4C_5R_4R_5 + C_4C_6R_4R_6 + C_5C_6R_5R_6\right) + s\left(C_2R_2C_4C_5R_2R_3R_4R_5s^5 + s^4\left(-C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_3R_5 + C_1C_2
9.1118 X-INVALID-ORDER-1118 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1C_2C_4C_5C_6R_2R_3R_4R_5R_6s^5 + s^4\left(-C_1C_2C_4C_5R_2R_3R_4R_5 - C_1C_2C_4C_6R_2R_3R_4R_6 + C_1C_2C_4C_6R_2R_3R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_5R_6 - C_1C_4C_5C_6R_3R_4R_5R_6\right) + s^3\left(-C_1C_2C_4R_2R_3R_4R_5 - C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6\right) + s^3\left(-C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6\right) + s^3\left(-C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_2C_4C_6R_2R_3R_4R_5 + C_1
9.1119 X-INVALID-ORDER-1119 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
                                                                                                                                                                                                                                                                    H(s) = \frac{C_2R_2R_4R_6s + R_4R_6}{C_1C_2C_4R_2R_3R_4R_5s^3 + s^2\left(-C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_4R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}
9.1120 X-INVALID-ORDER-1120 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
```

 $H(s) = \frac{C_2 R_2 R_4 s + R_4}{C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 s^4 + s^3 \left(-C_1 C_2 C_6 R_2 R_3 R_4 + C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_4 R_5 + C_1 C_2 C_6 R_2 R_4 R_5 + C_1 C_4 C_6 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5\right)}$

9.1121 X-INVALID-ORDER-1121 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_6R_2R_4R_6s^2 + R_4 + s\left(C_2R_2R_4 + C_6R_4R_6\right)}{C_1C_2C_4C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$ **9.1122** X-INVALID-ORDER-1122 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_2 R_2 R_4 R_6 s + R_4 R_6}{C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 R_6 s^4 + s^3 \left(C_1 C_2 C_4 R_2 R_3 R_4 R_5 - C_1 C_2 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_6 R_2 R_4 R_5 R_6 + C_1 C_2$ **9.1123** X-INVALID-ORDER-1123 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_5R_2R_4s + C_5R_4}{s^3\left(C_1C_2C_4C_6R_2R_3R_4 - C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$ **9.1124** X-INVALID-ORDER-1124 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_5C_6R_2R_4R_6s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{s^3\left(C_1C_2C_4C_6R_2R_3R_4 - C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$

9.1125 X-INVALID-ORDER-1125 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_4C_6R_2R_3R_4R_6 - C_1C_2C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4 + C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 - C_1C_5C_6R_3R_4R_6\right) + s\left(C_1C_2R_2R_3 + C_1C_2C_4R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6\right) + s\left(C_1C_2R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6\right) + s\left(C_1C_2R_2R_3R_4 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6\right) + s\left(C_1C_4R_2R_3R_4 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6\right) + s\left(C_1C_4R_4R_3R_4 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6\right) + s\left(C_1C_4R_4R_3R_4 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6\right) + s\left(C_1C_4R_4R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_4R_4R_4 + C_$

9.1126 X-INVALID-ORDER-1126 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_6s + C_5R_4R_6}{C_1C_2C_4C_5R_2R_3R_4R_5s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_4C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_4C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_4C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_4C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_4C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_$

9.1127 X-INVALID-ORDER-1127 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.1128 X-INVALID-ORDER-1128 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5C_6R_2R_4R_6s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_2C_5C_6R_2R_4 +$

9.1129 X-INVALID-ORDER-1129 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1130 X-INVALID-ORDER-1130 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_5R_2R_4R_5R_6s^2 + R_4R_6 + s\left(C_2R_2R_4R_6 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_4R_2R_3R_4R_5 - C_1C_2C_5R_2R_3R_4R_5\right) + s^2\left(-C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

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9.1131 X-INVALID-ORDER-1131 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                        H(s) = \frac{C_2C_5R_2R_4R_5s^2 + R_4 + s\left(C_2R_2R_4 + C_5R_4R_5\right)}{s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_2C_5C_6R_2R_3R_4R_5\right) + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_4 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}
9.1132 X-INVALID-ORDER-1132 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                        H(s) = \frac{C_2C_5C_6R_2R_4R_5R_6s^3 + R_4 + s^2\left(C_2C_5R_2R_4R_5 + C_2C_6R_2R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_2R_2R_4 + C_5R_4R_5 + C_6R_4R_6\right)}{s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_2C_5C_6R_2R_3R_4R_5\right) + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}
9.1133 X-INVALID-ORDER-1133 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_2C_5R_2R_4R_5R_6s^2 + R_4R_6 + s(C_2R_2R_4R_6 + C_5R_4R_5R_6)
H(s) = \frac{C_2C_5R_2R_4R_5R_6s^2 + R_4R_6 + s\left(C_2R_2R_4R_6 + C_5R_4R_5R_6\right)}{s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_4R_5 - C_1C_2C_5R_2R_3R_4R_5 - C_1C_2C_6R_2R_3R_4R_5 - C_1C_2C_4R_4R_5 
9.1134 X-INVALID-ORDER-1134 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                    H(s) = \frac{C_2C_3R_2R_4s + C_3R_4}{C_1C_2C_3C_6R_2R_4R_5s^3 + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.1135 X-INVALID-ORDER-1135 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                    H(s) = \frac{C_2C_3C_6R_2R_4R_6s^2 + C_3R_4 + s\left(C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{C_1C_2C_3C_6R_2R_4R_5s^3 + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.1136 X-INVALID-ORDER-1136 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3R_2R_4R_6s + C_3R_4R_6}{C_1C_2C_3C_6R_2R_4R_5R_6s^3 - C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_2R_4R_5 - C_1C_2C_6R_2R_4R_6 + C_1C_2C_6R_2R_5R_6 + C_1C_2C_6R_4R_5R_6 + C_1C_3C_6R_4R_5R_6 + C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_6R_4R_6 + C_1C_6R_5R_6 + C_2C_3R_4R_5 + C_1C_2R_4R_5 + C_
9.1137 X-INVALID-ORDER-1137 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
               H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_6R_2R_4R_6 - C_1C_2C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3R_2R_4 - C_1C_2C_5R_2R_4 + C_1C_2C_6R_2R_6 + C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_2C_3C_6R_4R_6\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4\right)}
9.1138 X-INVALID-ORDER-1138 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                           H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3C_5R_2R_4R_5s^3 + C_1 + s^2\left(C_1C_2C_3R_2R_4 - C_1C_2C_5R_2R_4 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_2C_3C_5R_4R_5\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}
9.1139 X-INVALID-ORDER-1139 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                    H(s) = \frac{C_2C_3C_5R_2R_4s + C_3C_5R_4}{C_1C_2C_3C_5C_6R_2R_4R_5s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_4 - C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}
9.1140 X-INVALID-ORDER-1140 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                    H(s) = \frac{C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_2C_3C_5C_6R_2R_4R_5s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_4 - C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4 + C_1C_3C_5C_6R
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9.1141 X-INVALID-ORDER-1141
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3C_5C_6R_2R_4R_5R_6s^4 + C_1 + s^3\left(C_1C_2C_3C_5R_2R_4R_5 + C_1C_2C_5C_6R_2R_4R_6 + C_1C_2C_5C_6R_2R_4R_5R_6 + C_1C_3C_5C_6R_4R_5R_6 + C_1C_3C_5C_6R_4R_5R_6 + C_1C_2C_5R_2R_4 + C_1C_2C_5R_4R_5R_6 + C_1C_2C_5C_6R_4R_5R_6 + C_1C_2C_5R_4R_5R_6 + C_1C_2C_5R_4R_5R_5 + C_1C_2C_5R_4R_5R_5 + C_1C_2C_5R_4R_5R_5 + C_1C_2C_5R_5R_5R_5 + C_1C_2C_5R_5R_5R_5 + C_1C_2C_5R_5R_5R_5 + C_1C_2C_5R_5R_$

9.1142 X-INVALID-ORDER-1142 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_5s^2 + C_3R_4 + s\left(C_2C_3R_2R_4 + C_3C_5R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_2R_4R_5 - C_1C_2C_5C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.1143 X-INVALID-ORDER-1143 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_2R_4R_5R_6s^3 + C_3R_4 + s^2\left(C_2C_3C_5R_2R_4R_5 + C_2C_3C_6R_2R_4R_6 + C_3C_5C_6R_4R_5R_6\right) + s\left(C_2C_3R_2R_4 + C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_4R_5 - C_1C_2C_5C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.1144 X-INVALID-ORDER-1144 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_2R_4R_5R_6 - C_1C_2C_5C_6R_2R_4R_5 - C_1C_2C_5R_2R_4R_5 - C_1C_2C_6R_2R_4R_6 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_3C_6R_4R_5R_6 - C_1C_5C_6R_4R_5R_6 + C_1C_3C_6R_4R_5R_6 + C_1C_3C_6$$

9.1145 X-INVALID-ORDER-1145 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3R_2s + C_3}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$$

9.1146 X-INVALID-ORDER-1146 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_6R_2R_6s^2 + C_3 + s\left(C_2C_3R_2 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$$

9.1147 X-INVALID-ORDER-1147 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_3R_2R_6s + C_3R_6}{-C_1 + s^3\left(C_1C_2C_3C_6R_2R_5R_6 + C_1C_2C_4C_6R_2R_5R_6\right) + s^2\left(C_1C_2C_3R_2R_5 + C_1C_2C_4R_2R_5 - C_1C_2C_6R_2R_6 + C_1C_2C_6R_5R_6 + C_1C_4C_6R_5R_6 + C_1C_4C_6R_5R_6 + C_1C_4C_6R_5R_6\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_6R_6 + C_2C_3R_5\right)}$$

9.1148 X-INVALID-ORDER-1148 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_3R_2 + C_1C_2C_4R_2 - C_1C_2C_5R_2\right)}$$

9.1149 X-INVALID-ORDER-1149 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_2s + C_3C_5}{s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.1150 X-INVALID-ORDER-1150 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_2R_6s^2 + C_3C_5 + s\left(C_2C_3C_5R_2 + C_3C_5C_6R_6\right)}{s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.1151 X-INVALID-ORDER-1151 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_5R_2s + C_3C_5}{s^3\left(C_1C_2C_3C_5C_6R_2R_5 + C_1C_2C_4C_5C_6R_2R_5\right) + s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_4C_5C_6R_5\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$ **9.1152** X-INVALID-ORDER-1152 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_5C_6R_2R_6s^2 + C_3C_5 + s\left(C_2C_3C_5R_2 + C_3C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_5C_6R_2R_5 + C_1C_2C_4C_5C_6R_2 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2 + C_1C_2C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_4C_5C_6R_5 + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$ **9.1153** X-INVALID-ORDER-1153 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $C_2C_3C_5R_2R_6s + C_3C_5R_6$ $H(s) = \frac{C_2C_3C_5R_2R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_3C_5R_2R_5 + C_1C_2C_4C_5R_2R_5 + C_1C_2C_3C_5R_2R_5 + C_1C_2C_4C_5R_2R_5 + C_1C_4C_5C_5R_2R_5 + C_1C_4C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5C_5R_5R_5 + C_1C_5C_5C_5R_5R_5 + C_1C_$ **9.1154** X-INVALID-ORDER-1154 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_5R_2R_5s^2 + C_3 + s\left(C_2C_3R_2 + C_3C_5R_5\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 - C_1C_2C_5C_6R_2R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$ **9.1155** X-INVALID-ORDER-1155 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_5C_6R_2R_5R_6s^3 + C_3 + s^2\left(C_2C_3C_5R_2R_5 + C_2C_3C_6R_2R_6 + C_3C_5C_6R_5R_6\right) + s\left(C_2C_3R_2 + C_3C_5R_5 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 - C_1C_2C_5C_6R_2R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$ **9.1156** X-INVALID-ORDER-1156 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_2C_3C_5R_2R_5R_6s^2 + C_3R_6 + s\left(C_2C_3R_2R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_6R_2R_5R_6 + C_1C_2C_4C_6R_2R_5R_6 - C_1C_2C_5C_6R_2R_5R_6\right) + s\left(C_1C_2C_3R_2R_5 + C_1C_2C_4R_2R_5 - C_1C_2C_6R_2R_6 + C_1C_3C_6R_5R_6 + C_1C_3C$ **9.1157** X-INVALID-ORDER-1157 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$ $H(s) = \frac{C_2C_3C_4R_2R_4R_6s^2 + C_3R_6 + s\left(C_2C_3R_2R_6 + C_3C_4R_4R_6\right)}{C_1C_2C_3C_4R_2R_4R_5s^3 - C_1 + s^2\left(C_1C_2C_3R_2R_5 - C_1C_2C_4R_2R_4 + C_1C_2C_4R_2R_5 + C_1C_3C_4R_4R_5 + C_2C_3C_4R_4R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 + C_2C_3R_5\right)}$ **9.1158** X-INVALID-ORDER-1158 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_4R_2R_4s^2 + C_3 + s\left(C_2C_3R_2 + C_3C_4R_4\right)}{C_1C_2C_3C_4C_6R_2R_4R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_2R_5 - C_1C_2C_4C_6R_2R_4 + C_1C_2C_4C_6R_2R_5 + C_1C_3C_4C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$ **9.1159** X-INVALID-ORDER-1159 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_4C_6R_2R_4R_6s^3 + C_3 + s^2\left(C_2C_3C_4R_2R_4 + C_2C_3C_6R_2R_6 + C_3C_4C_6R_4R_6\right) + s\left(C_2C_3R_2 + C_3C_4R_4 + C_3C_6R_6\right)}{C_1C_2C_3C_4C_6R_2R_4R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_2R_5 - C_1C_2C_4C_6R_2R_4 + C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(-C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_4 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$ **9.1160** X-INVALID-ORDER-1160 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_4R_2R_4R_5R_6s^4 - C_1 + s^3\left(C_1C_2C_3C_4R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_6 + C_1C_2C_4C_6R_2R_5R_6 + C_1C_2C_4C_6R_4R_5R_6 + C_1C_2C_4C_6R_4R_5R_5 + C_1C_2C_4C_6R_4R_5R_5 + C_1C_2C_4C_6R_4R_5R_5 + C_1C_2C_4C_6R_4R_5 + C_1C_2C_4C_6R_5R_5 + C_1C_2C_4C_6R_5R_5 + C_1C_2C_4C_6R_$

 $C_2C_3C_4R_2R_4R_6s^2 + C_3R_6 + s\left(C_2C_3R_2R_6 + C_3C_4R_2R_6\right) + C_3C_4R_2R_6 + C_3C_4R_4R_6 + C_3C_4R_4R_6 + C_3C_4R_4R_6 + C_3C_4R_4R_6 + C_3C_4R_4R_6 + C_3C_4R_6 + C_3C_5R_6 + C_5R_6 + C_5R_$

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9.1161 X-INVALID-ORDER-1161 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                       H(s) = \frac{C_2C_3C_4C_5R_2R_4s^2 + C_3C_5 + s\left(C_2C_3C_5R_2 + C_3C_4C_5R_4\right)}{s^3\left(C_1C_2C_3C_4C_5R_2R_4 - C_1C_2C_4C_5R_2R_4\right) + s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_4 - C_1C_2C_5C_6R_2 + C_1C_3C_4C_6R_4 - C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.1162 X-INVALID-ORDER-1162 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                       H(s) = \frac{C_2C_3C_4C_5C_6R_2R_4R_6s^3 + C_3C_5 + s^2\left(C_2C_3C_4C_5R_2R_4 + C_2C_3C_5C_6R_2R_6 + C_3C_4C_5C_6R_4R_6\right) + s\left(C_2C_3C_5R_2 + C_3C_4C_5R_4 + C_3C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_4C_5R_2R_4 + c_3C_5C_6R_2R_4\right) + s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 + C_1C_2C_4C_6R_4 - C_1C_2C_5C_6R_2 + C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
```

9.1163 X-INVALID-ORDER-1163 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_6 + s\left(C_2C_3C_5R_2R_6 + C_3C_4C_5R_4R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 + C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_3C_4C_6R_2R_4R_6 - C_1C_2C_4C_5R_2R_4 + C_1C_2C_4C_6R_2R_6 + C_1C_2C_4C_6R_2R_6 + C_1C_2C_4C_6R_2R_6 + C_1C_2C_4C_6R_2R_6 + C_1C_4C_5C_6R_4R_6 - C_1C_4C_5C_6R_4R_6 - C_1C_4C_5C_6R_4R_6 + C_1C_4C_5C$

9.1164 X-INVALID-ORDER-1164 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $C_{2}C_{3}C_{4}C_{5}R_{2}R_{4}R_{6}s^{2}+C_{3}C_{5}R_{6}+s\left(C_{2}C_{3}C_{5}R_{2}R_{6}+C_{3}C_{4}C_{5}R_{4}R_{6}\right)$ $H(s) = \frac{C_2C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_6 + s\left(C_2C_3C_5R_2R_6 + C_3C_4C_5R_4R_6\right)}{C_1C_2C_3C_4C_5R_2R_4R_5s^3 + C_1C_2 + C_1C_3 + C_1C_4 + C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_2R_4 + C_1C_2C_4C_5R_2R_4 + C_1C_2C_4C_5R_4R_5 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_4C_5R_5 + C_1C_3C_4C_5R_5 + C_1C_3C_4C_5R_5 + C_1C_3C_4C_5R_5 + C_1C_3C_5C_5R_5 + C_1C_3C_5C_5R_5 + C_1C_3C_5C_5R_5 + C_1C_3C_5C_5R_5 + C_1C_3C_5C_5R_5 + C_1C_3C_5C_5C$

9.1165 X-INVALID-ORDER-1165 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_2R_4s^2 + C_3C_5 + s\left(C_2C_3C_5R_2 + C_3C_4C_5R_4\right)}{C_1C_2C_3C_4C_5R_2R_4 + S^4 + s^3\left(C_1C_2C_3C_4C_5R_2R_4 + C_1C_2C_4C_5C_6R_2R_5 + C_1C_2C_4C_5C_6R_4R_5 + C_1C_3C_4C_5C_6R_4R_5 + C_1C_3C_4C_5C_6R_4R_5 + C_1C_2C_4C_5C_6R_4R_5 + C_1C_2C_4C_5C_6R_5 + C_1C_2C_4C_5C_6R_5 + C_1C_2C_4C_5C_6R_5 + C_1C_2C_4C_5C_6R_5 + C_1C_2C_4C_5C_6R_5 + C_1C_2C_4C_5C_6R_5 + C_1C_2C$

9.1166 X-INVALID-ORDER-1166 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_2R_4R_6s^3 + C_3C_5 + s^2\left(C_2C_3C_4C_5R_2R_4 + C_2C_3C_5C_6R_2R_6 + C_3C_4C_5C_6R_4R_6\right) + s\left(C_2C_3C_5R_2 + C_2C_3C_4C_5C_6R_2R_4 + C_2C_3C_5C_6R_2R_4 + C_2C_3C_5C_6R_4R_5 + C_2C_3C_5C_5C_6R_4R_5 + C_2C_3C_5C_5C_6R_4R_5 + C_2C_3C_5C_5C_6R_4R_5 + C_2C_3C_5C_5C_5C_5C_5C_5C_5$ $C_{2}C_{3}C_{4}C_{5}C_{6}R_{2}R_{4}R_{6}s^{3} + C_{3}C_{5} + s^{2}\left(C_{2}C_{3}C_{4}C_{5}R_{2}R_{4} + C_{2}C_{3}C_{5}C_{6}R_{2}R_{6} + C_{3}C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{3}C_{5}R_{2} + C_{3}C_{5}C_{6}R_{2}R_{6} + C_{3}C_{4}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{3}C_{5}R_{2} + C_{3}C_{5}C_{6}R_{2}R_{6} + C_{3}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{3}C_{5}R_{2} + C_{3}C_{5}C_{6}R_{4}R_{6}\right) + s\left(C_{2}C_{3}C_{5}R_{5}R_{5} + C_{3}C_{5}C_{6}R_{5}R_{5}\right) + s\left(C_{2}C_{3}C_{5}R_{5}R_{5} + C_{3}C_{5}R_{5}R_{5}\right) + s\left(C_{2}C_{3}C_{5}R_{5}R_{5} + C_{3}C_{5}R_{5}\right) + s\left(C_{2}C_{3}C_{5}R_{5}R_{5} + C_{3}C_{5}R_{5}\right) + s\left(C_{2}C_{3}R_{5}R_{5} + C_{3}C_{5}R_{5}\right) + s\left(C_{2}C_{3}R_{5}R_{5} + C_{3}C_{5}R_{5}\right) + s\left(C_{2}C_{3}R_{5}R_{5} + C_{3}C_{5}R_{5}\right) + s\left(C_{2}C_{3}R_{5}R_{5} + C_{3}C_{5}R_{5}\right) + s\left(C_{2}C_{$

9.1167 X-INVALID-ORDER-1167 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1168 X-INVALID-ORDER-1168 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_2R_4R_5R_6s^3 + C_3R_6 + s^2\left(C_2C_3C_4R_2R_4R_6 + C_2C_3C_5R_2R_5R_6 + C_3C_4R_4R_6 + C_3C_5R_4R_6\right) + s\left(C_2C_3R_2R_6 + C_3C_4R_4R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_4R_2R_4R_5 - C_1C_2C_4C_5R_2R_4R_5\right) + s^2\left(C_1C_2C_3R_2R_5 - C_1C_2C_4R_2R_4 + C_1C_2C_4R_4R_5 - C_1C_2C_5R_2R_5 + C_1C_3C_4R_4R_5 + C_2C_3C_4R_4R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 - C_1C_5R_5\right)}$

9.1169 X-INVALID-ORDER-1169 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_2R_4R_5s^3 + C_3 + s^2\left(C_2C_3C_4R_2R_4 + C_2C_3C_5R_2R_5 + C_3C_4C_5R_4R_5\right) + s\left(C_2C_3R_2 + C_3C_4R_4 + C_3C_5R_5\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_2R_4R_5 - C_1C_2C_4C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 + C_1C_2C_4C_6R_4R_5 - C_1C_4C_5C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_2 + C_1C_2C_6R_4R_5 - C_1C_2C_4C_6R_4R_5 - C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5\right)}$

9.1170 X-INVALID-ORDER-1170 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_2R_4R_5R_6s^4 + C_3 + s^3\left(C_2C_3C_4C_5R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_6 + C_2C_3C_5C_6R_2R_5R_6 + C_3C_4C_5R_4R_5 + C_2C_3C_5R_2R_5 + C_2C_3C_6R_2R_6 + C_3C_4C_5R_4R_5 + C_3C_4C_5R_4R_5 + C_3C_4C_6R_4R_6 + C_3C_5C_6R_5R_6\right) + s\left(C_2C_3C_4R_2R_4 + C_2C_3C_5R_2R_5 + C_2C_3C_4R_2R_4 + C_2C_3C_5R_2R_5 + C_2C_3C_4R_2R_4 + C_2C_3C_5R_2R_5 + C_2C_3C_4R_2R_4 + C_2C_3C_5R_2R_5 + C_2C_3C_4R_2R_5 + C_2C_3$

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9.1171 X-INVALID-ORDER-1171 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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9.1172 X-INVALID-ORDER-1172 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3R_2R_4s + C_3R_4}{s^3\left(C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.1173 X-INVALID-ORDER-1173 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_6R_2R_4R_6s^2 + C_3R_4 + s\left(C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.1174 X-INVALID-ORDER-1174 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_3R_2R_4R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_2C_4R_2R_4R_5 - C_1C_2C_6R_2R_4R_6 + C_1C_2C_6R_2R_4R_5 + C_1C_4C_6R_4R_5R_6 + C_1C_4C_6R_4R_5R_6$$

9.1175 X-INVALID-ORDER-1175 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_6R_2R_4R_6 + C_1C_2C_4C_6R_2R_4R_6 - C_1C_2C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3R_2R_4 + C_1C_2C_4R_2R_4 - C_1C_2C_5R_2R_4 + C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6$$

9.1176 X-INVALID-ORDER-1176 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s^2$$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_5R_2R_4R_5 + C_1C_2C_4C_5R_2R_4R_5\right) + s^2\left(C_1C_2C_3R_2R_4 + C_1C_2C_4R_2R_4 - C_1C_2C_5R_2R_4 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 + C_1C_5R_4 + C_1C_5R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 + C_1C_5R_4 + C_1C_5R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_5R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_4R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_4R_4 + C_1$$

9.1177 X-INVALID-ORDER-1177 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$C_2C_3C_5R_2R_4s + C_3C_5R_4$$

$$H(s) = \frac{C_2C_3C_5R_2R_4s + C_3C_5R_4}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_$$

9.1178 X-INVALID-ORDER-1178 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)$$

$$H(s) = \frac{C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C$$

9.1179 X-INVALID-ORDER-1179 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{1}{C_1 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 R_2 R_4 R_5 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_5 C_6 R_4$$

9.1180 X-INVALID-ORDER-1180 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_5s^2 + C_3R_4 + s\left(C_2C_3R_2R_4 + C_3C_5R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5 - C_1C_2C_5C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_$$

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9.1181 X-INVALID-ORDER-1181 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                      H(s) = \frac{C_2C_3C_5C_6R_2R_4R_5R_6s^3 + C_3R_4 + s^2\left(C_2C_3C_5R_2R_4R_5 + C_2C_3C_6R_2R_4R_6 + C_3C_5C_6R_4R_5R_6\right) + s\left(C_2C_3R_2R_4 + C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 
9.1182 X-INVALID-ORDER-1182 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_2C_3C_5R_2R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)
H(s) = \frac{C_2C_3C_5R_2R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_4C_6R_2R_4R_5R_6 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_2C_6R_2
9.1183 X-INVALID-ORDER-1183 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                      H(s) = \frac{C_2C_3R_2R_4s + C_3R_4}{s^3\left(-C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_2R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5 \right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right) + s\left(-C_1C_6R_4R_5 + C_1C_6R_5\right) + s\left(-C_1C_6R_5\right) 
9.1184 X-INVALID-ORDER-1184 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                      H(s) = \frac{C_2C_3C_6R_2R_4R_6s^2 + C_3R_4 + s\left(C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{s^3\left(-C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_2R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + s\left(-C_1C_6R_4 + C_1C_6R_5\right)\right)}
9.1185 X-INVALID-ORDER-1185 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3R_2R_4R_6s + C_3R_4R_6s + C
9.1186 X-INVALID-ORDER-1186 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                      H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{-C_1C_2C_3C_5R_2R_3R_4s^3 + C_1 + s^2\left(C_1C_2C_3R_2R_3 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_3R_4 - C_1C_2C_5R_2R_4 - C_1C_3C_5R_3R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4\right)}
9.1187 X-INVALID-ORDER-1187 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                               H(s) = \frac{C_2C_3C_5R_2R_4s + C_3C_5R_4}{-C_1C_2C_3C_5C_6R_2R_3R_4s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 + C_1C_3C_6R_
9.1188 X-INVALID-ORDER-1188 Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)
                                                               H(s) = \frac{C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{-C_1C_2C_3C_5C_6R_2R_3R_4s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4\right)}
9.1189 X-INVALID-ORDER-1189 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s
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 $\frac{C_2C_3C_5R_2R_4R_6s + C_3C_5R_4R_6s}{C_1 + s^3\left(-C_1C_2C_3C_5R_2R_3R_4 + C_1C_2C_3C_5R_2R_3R_5 + C_1C_2C_3C_5R_2R_4R_5 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_5R_2R_4 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_2R_4 + C_1C_2C_5R_2R$

 $C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s$

9.1190 X-INVALID-ORDER-1190 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

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9.1191 X-INVALID-ORDER-1191 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_2C_3C_5R_2R_4s + C_3C_5R_4
H(s) = \frac{C_2C_3C_5R_2R_4s + C_3C_5R_4}{C_1C_6 + s^3\left(-C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_5 + C_1C_2C_3C_5C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_4R_5 + C
9.1192 X-INVALID-ORDER-1192 Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(-C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_5 + C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_5C_6R_2R_4 + C_1C_2C_3C_5C_6R_4 + C_1C_2C_3C_5C_6R_4 + C_1C_2C_3C_5C_6R_4 + C_1C_2C_3C_5C_6R_4 + C_1C_2C_3C_5C_6R_4 + C_1C_2C_3C_5C_6R_4 + C_1C_2
9.1193 X-INVALID-ORDER-1193 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1 + s^4 \left(-C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 R_2 R_3 R_4 + C_1 C_2 C_3 C_5 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_5 + C_1 C_2 C_3 C_5 R_5 R_5 + C_1 C_2 C_5 C_5 R_5 R_5 + C_1 C_2 C_3 C_5 R_5 R_5 + C_1 C_2 C_5 C_5
9.1194 X-INVALID-ORDER-1194 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_2C_3C_5R_2R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1C_2C_3C_5R_2R_3R_4R_5s^3 - C_1R_4 + C_1R_5 + s^2\left(-C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_3R_5 + C_1C_2C_3R_2R_4R_5 - C_1C_2C_5R_2R_4R_5 - C_1C_2C_3R_2R_4R_5 - C_1C_2C_3R_
9.1195 X-INVALID-ORDER-1195 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5R_2R_4R_5s^2 + C_3R_4 + s\left(C_2C_3R_2R_4 + C_3C_5R_4R_5\right)}{-C_1C_2C_3C_5C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_3C_6R_2R_4R_5 - C_1C_2C_5C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3
9.1196 X-INVALID-ORDER-1196 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_2R_4R_5R_6s^3 + C_3R_4 + s^2\left(C_2C_3C_5R_2R_4R_5 + C_2C_3C_6R_2R_4R_6 + C_3C_5C_6R_4R_5R_6\right) + s\left(C_2C_3R_2R_4 + C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{-C_1C_2C_3C_5C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_3C_6R_2R_4R_5 - C_1C_2C_5C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 - C_1C_2C_6R_4R_5\right)}
9.1197 X-INVALID-ORDER-1197 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1C_2C_3C_5C_6R_2R_3R_4R_5R_6s^4 - C_1R_4 + C_1R_5 + s^3\left(-C_1C_2C_3C_5R_2R_3R_4R_5 - C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 - C_1C_2C_5C_6R_2R_4R_5R_6 - C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 - C_1C_2C_5C_6R_2R_4R_5R_6 - C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 - C_1C_2C_5C_6R_2R_4R_5R_6 - C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_5 + C_1C_2C_3C_6R_2R_4R_5R_5 + C_1C_2C_3C_6R_2R_4R_5R_5 + C_1C_2C_3C_5R_5R_5R_5 + C_1C_2C_3C_5R_5R_5R_5 + C_1C_2C_3C_5R_5R_5R_5 + C_1C_2
9.1198 X-INVALID-ORDER-1198 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)
                                                                                                                                           H(s) = \frac{C_2C_3R_2R_6s + C_3R_6}{C_1C_2C_3C_4R_2R_3R_5s^3 - C_1 + s^2\left(-C_1C_2C_3R_2R_3 + C_1C_2C_3R_2R_5 + C_1C_2C_3R_3R_5 + C_1C_2C_4R_2R_5 + C_1C_3C_4R_3R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 + C_1C_4R_5 + C_2C_3R_5\right)}
9.1199 X-INVALID-ORDER-1199 Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{1}{C_6 s}\right)
                                                            H(s) = \frac{C_2C_3R_2s + C_3}{C_1C_2C_3C_4C_6R_2R_3R_5s^4 - C_1C_6s + s^3\left(-C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}
9.1200 X-INVALID-ORDER-1200 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
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432

 $H(s) = \frac{C_2C_3C_6R_2R_6s^2 + C_3 + s\left(C_2C_3R_2 + C_3C_6R_6\right)}{C_1C_2C_3C_4C_6R_2R_3R_5s^4 - C_1C_6s + s^3\left(-C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$

```
9.1201 X-INVALID-ORDER-1201 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3R_2R_6s + C_3R_6}{C_1C_2C_3C_4C_6R_2R_3R_5R_6s^4 - C_1 + s^3\left(C_1C_2C_3C_4R_2R_3R_5 - C_1C_2C_3C_6R_2R_3R_6 + C_1C_2C_3C_6R_2R_5R_6 + C_1C_2C_4C_6R_2R_5R_6 + C_1C_2C_4R_3R_5R_6\right) + s^2\left(-C_1C_2C_3R_2R_3 + C_1C_2C_3R_2R_5 + C_1C_2C_3R_3R_5 + C_1C_2C_4R_2R_5 - C_1C_2C_4R_2R_5 + C_1C_2C_3R_3R_5 + C_1C_2
9.1202 X-INVALID-ORDER-1202 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                H(s) = \frac{C_2C_3C_5R_2s + C_3C_5}{s^3\left(C_1C_2C_3C_4C_6R_2R_3 - C_1C_2C_3C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_3C_6R_3 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.1203 X-INVALID-ORDER-1203 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                H(s) = \frac{C_2C_3C_5C_6R_2R_6s^2 + C_3C_5 + s\left(C_2C_3C_5R_2 + C_3C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_4C_6R_2R_3 - C_1C_2C_3C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_3C_6R_3 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.1204 X-INVALID-ORDER-1204 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3C_5R_2R_6s + C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_6 - C_1C_2C_3C_5R_2R_3 + C_1C_2C_3C_5R_2R_3 + C_1C_2C_3C_6R_2R_6 + C_1C_3C_4C_6R_2R_6 + C_1C_3C_4C_6R_2R_6 + C_1C_3C_4C_6R_4 + C_1C_3C_5C_6R_4 + C_
9.1205 X-INVALID-ORDER-1205 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_3C_5R_2R_6s + C_3C_5R_6}{C_1C_2C_3C_4C_5R_2R_3R_5s^3 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_2R_3 - C_1C_2C_3C_5R_2R_3 + C_1C_2C_3C_5R_2R_5 + C_1C_2C_4C_5R_2R_5 + C_1C_2C_4C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_4R_2 - C_1C_2C_5R_2 + C_1C_2C_5R_5 + C_1C_2C_3C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_4R_2 - C_1C_2C_5R_3 + C_1C_2C_3C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3C_5R_3 + C_1C_2C_3C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3C_5R_3 + C_1C_2C_3C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3C_5R_3 + C_1C_2C_3C_5R_3R_5\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3R_3\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3R_3 + C_1C_2C_3R_3\right) + s\left(C_1C_2C_3R_3 + C_1C_2C_3R_3\right) 
9.1206 X-INVALID-ORDER-1206 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
9.1207 X-INVALID-ORDER-1207 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
9.1208 X-INVALID-ORDER-1208 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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9.1210 X-INVALID-ORDER-1210 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_5s^2 + C_3 + s\left(C_2C_3R_2 + C_3C_5R_5\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_2R_3R_5 - C_1C_2C_3C_6R_2R_3R_5\right) + s^3\left(-C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_5C_6R_2R_5 + C_1C_3C_4C_6R_3R_5 - C_1C_3C_5C_6R_3R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_5 + C_1C_3C_6R$$

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9.1211 X-INVALID-ORDER-1211 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_2R_5R_6s^3 + C_3 + s^2\left(C_2C_3C_5R_2R_5 + C_2C_3C_6R_2R_6 + C_3C_5C_6R_5R_6\right) + s\left(C_2C_3R_2 + C_3C_5R_5 + C_3C_6R_6\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_2R_3 + C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_2R_5 + C_1C_3C_4C_6R_3R_5 - C_1C_3C_5C_6R_3R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_3
9.1212 X-INVALID-ORDER-1212 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_5 R_6 - C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6\right) + s^3 \left(C_1 C_2 C_3 C_4 R_2 R_3 R_5 - C_1 C_2 C_3 C_5 R_2 R_3 R_5 - C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_5 R_6 + C_1 C_2 C_3 C_6 R_2 R_5 R_6 - C_1 C_2 C_5 C_6 R_2 R_5 R_6 + C_1 C_2 C_3 C_6 R_2 R_5 R_6 + C_1 C_2 C_5 C_6 R_5 R_5 R_6 + C_1 C_2 C_5 C_6 R_
9.1213 X-INVALID-ORDER-1213 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_2C_3C_4R_2R_4R_6s^2 + C_3R_6 + s\left(C_2C_3R_2R_6 + C_3C_4R_4R_6\right)
H(s) = \frac{C_2C_3C_4R_2R_4R_6s^2 + C_3R_6 + s\left(C_2C_3R_2R_6 + C_3C_4R_4R_6\right)}{-C_1 + s^3\left(-C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_3C_4R_2R_3R_5 + C_1C_2C_3R_2R_3 + C_1C_2C_3R_2R_3 + C_1C_2C_3R_2R_5 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_2R_5 + C_1C_2C_4R_4R_5 - C_1C_3C_4R_3R_4 + C_1C_3C_4R_3R_5 +
9.1214 X-INVALID-ORDER-1214 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_2C_3C_4R_2R_4s^2 + C_3 + s\left(C_2C_3R_2 + C_3C_4R_4\right)
H(s) = \frac{C_2C_3C_4R_2R_4s^2 + C_3 + s\left(C_2C_3R_2 + C_3C_4R_4\right)}{-C_1C_6s + s^4\left(-C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_3 + C_1C_2C_3C_4C_6R_2R_3 + C_1C_2C_3C_4C_6R_2R_3 + C_1C_2C_3C_4C_6R_2R_4 + C_1C_2C_3C_4C_6R_4 + C_1C_2C_3C_4C_6R_4 + C_1C_2C_3C_4C_6R_4 + C_1C_2C_3C_4C_6R_4 + C_1C_2C_3C_4C_6R_4 + C_1C_2C_3C_4C_6R_4 + C_1C_2C_3C
9.1215 X-INVALID-ORDER-1215 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_2C_3C_4C_6R_2R_4R_6s^3 + C_3 + s^2(C_2C_3C_4R_2R_4 + C_2C_3C_6R_2R_6 + C_3C_4C_6R_4R_6) + s(C_2C_3R_2 + C_3C_4R_4 + C_3C_4R_6) + s(C_2C_3R_4 + C_3C_4R_4 + C_3
H(s) = \frac{C_2C_3C_4C_6R_2R_4R_6s^3 + C_3 + s^2\left(C_2C_3C_4R_2R_4 + C_2C_3C_6R_2R_6 + C_3C_4C_6R_4R_6\right) + s\left(C_2C_3R_2 + C_3C_4R_4 + C_3C_4C_6R_2R_4 + C_3C_4C_6R_4R_4 + C_3C_4
9.1216 X-INVALID-ORDER-1216 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1 + s^4 \left(-C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_3 R_4 R_5 R_6 \right) + s^3 \left(-C_1 C_2 C_3 C_4 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 R_5 R_5 + C_1 C_2 C_3 C_4 R_5
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9.1217 X-INVALID-ORDER-1217
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_2C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_6 + s\left(C_2C_3C_5R_2R_6 + C_3C_4C_5R_4R_6\right)}{-C_1C_2C_3C_4C_5R_2R_3R_4s^3 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 - C_1C_3C_4C_5R_2R_4 - C_1C_3C_4C_5R_2R_4 - C_1C_3C_4C_5R_2R_4 + C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_2C_3R_3 + C_1C_2C_4R_4 - C_1C_2C_3R_3 + C_1C_2C_4R_4 - C_1C_2C_3C_4R_4 - C_1$$

9.1218 X-INVALID-ORDER-1218
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3C_4C_5R_2R_4s^2 + C_3C_5 + s\left(C_2C_3C_5R_2 + C_3C_4C_5R_4\right)}{-C_1C_2C_3C_4C_5R_2R_3R_4s^4 + s^3\left(C_1C_2C_3C_4C_6R_2R_4 + C_1C_2C_3C_4C_6R_2R_4 - C_1C_2C_4C_5C_6R_2R_4 - C_1C_2C_3C_6R_2 + C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 + C_1C_2$$

9.1219 X-INVALID-ORDER-1219
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3C_4C_5C_6R_2R_4R_6s^3 + C_3C_5 + s^2\left(C_2C_3C_4C_5R_2R_4 + C_2C_3C_5C_6R_2R_6 + C_3C_4C_5C_6R_4R_6\right) + s\left(C_2C_3C_5R_2 + C_3C_4C_5R_4 + C_3C_5C_6R_2R_4 + C_3C_4C_5R_4 +$$

9.1220 X-INVALID-ORDER-1220
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{-C_1C_2C_3C_4C_5C_6R_2R_3R_4R_6s^4 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(-C_1C_2C_3C_4C_5R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_4R_6 + C_1C_2C_3C_4C_6R_2R_4R_6 - C_1C_2C_3C_4C_5R_2R_3R_6 - C_1C_2C_3C_4C_5R_2R_4R_6 - C_1C_2C_3C_4C_5R_4R_4R_6 - C_1$$

- **9.1221** X-INVALID-ORDER-1221 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{1}{C_1C_2 + C_1C_3 + C_1C_4 C_1C_5 + C_2C_3 + s^3\left(-C_1C_2C_3C_4C_5R_2R_3R_4 + C_1C_2C_3C_4C_5R_2R_3R_5 + C_1C_2C_3C_4C_5R_2R_4R_5 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_3R_4 C_1C_2C_3C_4R_3R_4 + C_1C_2C_3C$
- **9.1222** X-INVALID-ORDER-1222 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{s^4 \left(-C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_3 R_4 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_5 C_6 R_2 R_3 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_5 R_5 + C_1 C_2 C_5 C_5 C_5 R_5 R_5 + C_1 C_2 C_5 C_5 C_5 R_5 + C_1 C_2 C_5 C_5 C_5 R_5 + C_1 C_2 C_5 C$
- **9.1223** X-INVALID-ORDER-1223 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{s^4 \left(-C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_3 R_4 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_5 C_6 R_2 R_3 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_4 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_3 C_4 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_5 C_5 C_6 R_2 R_5\right) + s^3 \left(C_1 C_2 C_5 C_5$
- 9.1224 X-INVALID-ORDER-1224 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- **9.1225** X-INVALID-ORDER-1225 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{C_2C_3C_4C_5R_2R_4R_5R_6s^3 + C_3R_6 + s^2\left(C_2C_3C_4R_2R_4R_6 + C_2C_3C_5R_2R_5R_6 + C_3C_4C_5R_2R_3R_4R_5s^4 C_1 + s^3\left(-C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_3C_4R_2R_4R_5 + C_1C_2C_3C_4R_2R_4R_5 C_1C_2C_4C_5R_2R_4R_5 C_1C_2C_4C_5R_2R_4R_5 C_1C_2C_3R_2R_3 + C_1C_2C_3R_3R_3 + C_1C_2C_$
- **9.1226** X-INVALID-ORDER-1226 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_4C_5R_2R_3R_4R_5s^3}{-C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5s^5 C_1C_6s + s^4\left(-C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_3R_5 + C_1C_2C_3C_4C_6R_2R_4R_5 C_1C_2C_3C_4C_5R_2R_4R_5 C_1C_2C_3C_4C_5R_3R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_4R_5 + C_1C_2C_3C_4C_6R_2R_4R_5 C_1C_2C_3C_4C_5R_2R_4R_5 C_1C_2C_3C_4C_6R_2R_4R_5 C_1C_2C_3C_4C_6R_2R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_4R_5 + C_1C_2C_3C_4C_6R_2R_4R_5 C_1C_2C_3C_4C_5R_3R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_4R_5 + C_1C_2C_3C_4C_6R_2R_4R_5 C_1C_2C_3C_4C_5R_3R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_4R_5 + C_1C_2C_3C_4C_6R_2R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_4R_5 + C_1C_2C_3C_4C_6R_2R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_2R_4R_5 + C_1C_2C_3C_4C_6R_2R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_2R_4R_5\right) + s^3\left(-C_1C_2C_3C_4C_6R_4R_5\right) + s^3\left(-C_1C_2C_3C_4$
- **9.1227** X-INVALID-ORDER-1227 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_4C_5C_6R_2R_4R_5R_6s^4 + C_3 + s^3\left(C_2C_3C_4C_5R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_6 + C_2C_3C_5C_6R_2R_5R_6s^4 + C_3 + s^3\left(C_2C_3C_4C_5R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_6 + C_2C_3C_5C_6R_2R_5R_6s^4 + C_3 + s^3\left(C_2C_3C_4C_5R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R$
- **9.1228** X-INVALID-ORDER-1228 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- **9.1229** X-INVALID-ORDER-1229 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
- $H(s) = \frac{C_2C_3R_2R_4R_6s + C_3R_4R_6}{C_1C_2C_3C_4R_2R_3R_4R_5s^3 C_1R_4 + C_1R_5 + s^2\left(-C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_3R_5 + C_1C_2C_3R_2R_4R_5 + C_1C_2C_4R_2R_4R_5 + C_1C_2C_4R_2R_4R_5 + C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 + C$
- **9.1230** X-INVALID-ORDER-1230 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3R_2R_4s + C_3R_4}{C_1C_2C_3C_4C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R$

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9.1231 X-INVALID-ORDER-1231 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_2C_3C_6R_2R_4R_6s^2 + C_3R_4 + s\left(C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{C_1C_2C_3C_4C_6R_2R_3R_4 + S^2\left(-C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_2R_4 + C_1$

- **9.1232** X-INVALID-ORDER-1232 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
- **9.1233** X-INVALID-ORDER-1233 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_4R_2R_3R_4 - C_1C_2C_3C_5R_2R_3R_4\right) + s^2\left(C_1C_2C_3R_2R_3 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_4R_2R_4 - C_1C_3C_5R_3R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_5R_4 + C_2C_3R_4\right)}$

- **9.1234** X-INVALID-ORDER-1234 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_5R_2R_4s + C_3C_5R_4}{C_1C_6 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_4 C_1C_2C_3C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_3R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_$
- **9.1235** X-INVALID-ORDER-1235 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_4 C_1C_2C_3C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 +$
- **9.1236** X-INVALID-ORDER-1236 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_2 R_3 R_4 C_1 C_2 C_3 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_4 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_4 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_4 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_4 C_6 R_4 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_4 C_6 R_4 R_4 R_6 \right) +$
- **9.1237** X-INVALID-ORDER-1237 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{C_2C_3C_5R_2R_4R_6s^2 + C_3C_3C_5R_2R_4R_6s^2 + C_3C_3C_5R_2R_4R_5 + C_1C_2C_3C_5R_2R_4R_5 + C_1C_2C_3C_5R_2R_4R_5$
- **9.1238** X-INVALID-ORDER-1238 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- **9.1239** X-INVALID-ORDER-1239 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C}{C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5s^4 + C_1C_6 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_5 + C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_$
- **9.1240** X-INVALID-ORDER-1240 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

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9.1241 X-INVALID-ORDER-1241 Z(s) = \left(\frac{1}{C_{18}}, R_{2} + \frac{1}{C_{28}}, R_{3} + \frac{1}{C_{38}}, \frac{R_{1}}{C_{4}R_{1}+1}, \frac{R_{6}}{C_{5}R_{5}+1}, R_{6}\right)
C_{2}C_{3}C_{5}R_{2}R_{4}R_{6}R_{6}s^{2} + C_{3}R_{4}R_{6} + s(C_{2}C_{3}R_{2}R_{4}R_{6} + C_{3}C_{6}R_{4}R_{6}R_{6})
C_{2}C_{3}C_{5}R_{2}R_{4}R_{6} + s(C_{2}C_{3}R_{2}R_{4}R_{6} + C_{3}C_{6}R_{4}R_{6}) + s(-C_{1}C_{2}C_{3}R_{2}R_{4}R_{6} + C_{1}C_{2}C_{3}R_{2}R_{4}R_{6} + C_{1}C_{2}C_{3}R_{2}R_{4}R_{6} + C_{1}C_{2}C_{5}R_{2}R_{4}R_{6} + C
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9.1244 X-INVALID-ORDER-1244 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-C_1R_4 + C_1R_5 + s^4 \left(C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_2C_3C_5C_6R_2R_3R_4R_5R_6\right) + s^3 \left(C_1C_2C_3C_4R_2R_3R_4R_5 - C_1C_2C_3C_5R_2R_3R_4R_5 - C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^3 \left(C_1C_2C_3C_4R_2R_3R_4R_5 - C_1C_2C_3C_5R_2R_3R_4R_5 - C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^3 \left(C_1C_2C_3C_4R_2R_3R_4R_5 - C_1C_2C_3C_5R_2R_3R_4R_5 - C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^3 \left(C_1C_2C_3C_4R_2R_3R_4R_5 - C_1C_2C_3C_5R_2R_3R_4R_5 - C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^3 \left(C_1C_2C_3C_4R_2R_3R_4R_5 - C_1C_2C_3C_5R_2R_3R_4R_5 - C_1C_2C_3C_6R_2R_3R_4R_5 - C_1C_2C_3C_4R_2R_3R_4R_5 - C_1C_2C_3C_4R_2R_3R_4R_5 - C_1C_2C_3C_4R_3R_4R_5 - C_1C_2C_3C_4R_3R_4R_5 - C_1C_2C_3C_4R_3R_4R_5 - C_1C_2C_3C_4R_3R_4R_5 - C_1C_2C_3C_4R_3R_4R_5 - C_1C_2C_3C_4R_4R_5R_5 - C_1C_2C_3C_5R_3R_4R_5 - C_1C_2C_3C_5R_3R_4R_5 - C_1C_2C_$

 $\textbf{9.1245} \quad \textbf{X-INVALID-ORDER-1245} \ Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5, \ R_6\right)$ $\frac{C_2 C_3 R_2 R_3 R_4 R_6 s^2 + R_4 R_6 + s \left(C_2 R_2 R_4 R_6 + C_3 R_3 R_4 R_6\right)}{C_1 C_2 C_3 R_2 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_2 R_2 R_3 R_4 + C_1 C_2 R_2 R_3 R_5 + C_1 C_2 R_2 R_4 R_5 + C_1 C_2 R_3 R_4 R_5 + C_2 C_3 R_3 R_4 R_5\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$

9.1246 X-INVALID-ORDER-1246 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3R_2R_3R_4s^2 + R_4 + s\left(C_2R_2R_4 + C_3R_3R_4\right)}{C_1C_2C_3C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1247 X-INVALID-ORDER-1247 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_6R_2R_3R_4R_6s^3 + R_4 + s^2\left(C_2C_3R_2R_3R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_2R_4 + C_3R_3R_4 + C_6R_4R_6\right)}{C_1C_2C_3C_6R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1248 X-INVALID-ORDER-1248 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3R_2R_3R_4R_6s^2 + R_4R_6 + s\left(C_2R_2R_4R_6 + C_3R_3R_4R_6\right)}{C_1C_2C_3C_6R_2R_3R_4R_5R_6s^4 + s^3\left(C_1C_2C_3R_2R_3R_4R_5 - C_1C_2C_6R_2R_3R_4R_5 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6 + C_1C_3C_6R_3R_4R_5R_6 + C_2C_3C_6R_3R_4R_5R_6 + C_2C_3C_6R_3R_4R_5R_5 + C_2C_3C_6R_3R_4R_5 + C_2C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5 + C_2C_3C_5R_3R_4R_5 + C$

9.1249 X-INVALID-ORDER-1249 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_2R_3R_4s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_3C_5R_3R_4\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_4 - C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$

9.1250 X-INVALID-ORDER-1250 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_2R_3R_4R_6s^3 + C_5R_4 + s^2\left(C_2C_3C_5R_2R_3R_4 + C_2C_5C_6R_2R_4R_6 + C_3C_5C_6R_3R_4R_6\right) + s\left(C_2C_5R_2R_4 + C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_4 - C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$

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9.1251 X-INVALID-ORDER-1251 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_3C_6R_2R_3R_4R_6 - C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4R_6 + C_1C_3C_6R_3R_4R_6 + C_1C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6)
9.1252 X-INVALID-ORDER-1252 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1C_2C_3C_5R_2R_3R_4R_5s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_2R_3R_4 + C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_3R_3R_4 +
9.1253 X-INVALID-ORDER-1253 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5R_2R_3R_4s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_3C_5R_3R_4\right)}{C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_2C_5C_6R_3R_4 + C_1C_2C_5C_6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_2C_3C_5R_2R_3R_4s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_3C_5R_3R_4\right)
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9.1254 X-INVALID-ORDER-1254 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_2R_3R_4R_6s^3 + C_5R_4 + s^2\left(C_2C_3C_5R_2R_3R_4 + C_2C_5C_6R_2R_4R_6 + C_3C_5C_6R_3R_4R_6\right) + s\left(C_2C_5R_2R_4 + C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{C_1C_2C_3C_5C_6R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_2C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4$

9.1255 X-INVALID-ORDER-1255 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1256 X-INVALID-ORDER-1256 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_2R_3R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_2C_3R_2R_3R_4R_6 + C_2C_5R_2R_4R_5R_6 + C_3C_5R_3R_4R_5R_6\right) + s\left(C_2R_2R_4R_6 + C_3R_3R_4R_6 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_3R_2R_3R_4R_5 - C_1C_2C_5R_2R_3R_4R_5\right) + s^2\left(-C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 - C_1C_5R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

9.1257 X-INVALID-ORDER-1257 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_2R_3R_4R_5s^3 + R_4 + s^2\left(C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s\left(C_2R_2R_4 + C_3R_3R_4 + C_5R_4R_5\right)}{s^4\left(C_1C_2C_3C_6R_2R_3R_4R_5 - C_1C_2C_5C_6R_2R_3R_4R_5\right) + s^3\left(-C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_1C_5C_6R_3R_4R_5 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_5R_5 + C_1C_5$

9.1258 X-INVALID-ORDER-1258 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_2R_3R_4R_5R_6s^4 + R_4 + s^3\left(C_2C_3C_5R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_2C_5C_6R_2R_4R_5R_6 + C_3C_5C_6R_2R_4R_5 + C_2C_5R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_$

9.1259 X-INVALID-ORDER-1259 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_2C_3C_5R_2R_3R_4R_5R_6s^3 + R_4R_6 + s^2(C_2C_3R_2R_3R_4R_6 + C_2C_5R_2R_4R_5R_6 + C_3R_3R_4R_6 + C_3R_3R_4R_5R_6 + C_3R_3R_5R_5 + C_3R_3R_5R_5 + C_3R_5R_5R_5 + C_3R_5R_5 + C_5R_5R_5 + C_5R_5R_5 + C_5R_5R_5 + C_5R_5 + C_5R_5$

 $H(s) = \frac{C_2C_3C_5R_2R_3R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_4R_5R_6 + C_1C_2C_5R_2R_3R_4R_5 + C_2C_5R_2R_3R_4R_5 + C$

9.1260 X-INVALID-ORDER-1260 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_2R_3R_6s^2 + R_6 + s\left(C_2R_2R_6 + C_3R_3R_6\right)}{s^3\left(C_1C_2C_3R_2R_3R_5 + C_1C_2C_4R_2R_3R_5\right) + s^2\left(-C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_3R_3R_5 + C_1C_4R_3R_5 + C_2C_3R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$$

9.1262 X-INVALID-ORDER-1262 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_6R_2R_3R_6s^3 + s^2\left(C_2C_3R_2R_3 + C_2C_6R_2R_6 + C_3C_6R_3R_6\right) + s\left(C_2R_2 + C_3R_3 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1263** X-INVALID-ORDER-1263 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ **9.1264** X-INVALID-ORDER-1264 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_5R_2R_3s^2 + C_5 + s\left(C_2C_5R_2 + C_3C_5R_3\right)}{s^3\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_2C_3C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$ **9.1265** X-INVALID-ORDER-1265 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_5C_6R_2R_3R_6s^3 + C_5 + s^2\left(C_2C_3C_5R_2R_3 + C_2C_5C_6R_2R_6 + C_3C_5C_6R_3R_6\right) + s\left(C_2C_5R_2 + C_3C_5R_3 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_2C_3C_6R_3\right) + s\left(C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3\right) + s\left(C_1C_4C_6R_3 + C_1C_4C_6R_3 + C$ **9.1266** X-INVALID-ORDER-1266 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_2C_3C_5R_2R_3R_6s^2 + C_5R_6 + s\left(C_2C_5R_2R_6 + C_3C_5R_3R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_3C_6R_2R_3R_6 + C_1C_2C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2C_3R_2R_3 + C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3 + C_1C_2C_6R_3R_6 + C_1C_3C_6R_3R_6 + C_1C_4C_6R_3R_6 + C_1C_4$ **9.1267** X-INVALID-ORDER-1267 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_2C_3C_5R_2R_3R_6s^2 + C_5R_6 + s\left(C_2C_5R_2R_6 + C_3C_5R_3R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_3C_5R_2R_3R_5 + C_1C_2C_4C_5R_2R_3 + C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_3R_5 + C_1C_4C_5R_3R_5 + C_1C_4C_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C$ **9.1268** X-INVALID-ORDER-1268 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_2C_3C_5R_2R_3s^2 + C_5 + s\left(C_2C_5R_2 + C_3C_5R_3\right)}{s^4\left(C_1C_2C_3C_5C_6R_2R_3R_5 + C_1C_2C_4C_5R_2R_3R_5\right) + s^3\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_1C_5C_6R_5 + C_1C_5C_5C_6R_5 + C_1C_5C_5C_6R_5 + C_1C_5C_5C_6R_5 + C_1C_5C_5C_6R_5 + C_1C_5C_5C_6R_5 + C_1C_5C_5C_5C_5C_5C_5C_5C_5C_$ **9.1269** X-INVALID-ORDER-1269 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ \frac{1}{C_4 s}, \ R_5 + \frac{1}{C_5 s}, \ R_6 + \frac{1}{C_6 s}\right)$ **9.1270** X-INVALID-ORDER-1270 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_2C_3R_2R_3s^2 + s\left(C_2R_2 + C_3R_3\right) + 1}{s^4\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_5\right) + s^3\left(-C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$

9.1261 X-INVALID-ORDER-1261 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

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9.1271 X-INVALID-ORDER-1271 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                         H(s) = \frac{C_2C_3C_5R_2R_3R_5R_6s^3 + R_6 + s^2\left(C_2C_3R_2R_3R_6 + C_2C_5R_2R_5R_6 + C_3C_5R_3R_5R_6\right) + s\left(C_2R_2R_6 + C_3R_3R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_3R_2R_3R_5 + C_1C_2C_4R_2R_3R_5 - C_1C_2C_5R_2R_3R_5\right) + s^2\left(-C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_5 + C_2C_3R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}
9.1272 X-INVALID-ORDER-1272 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                     H(s) = \frac{C_2C_3C_5R_2R_3R_5s^3 + s^2\left(C_2C_3R_2R_3 + C_2C_5R_2R_5 + C_3C_5R_3R_5\right) + s\left(C_2R_2 + C_3R_3 + C_5R_5\right) + 1}{s^4\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_5 - C_1C_2C_5C_6R_2R_3R_5\right) + s^3\left(-C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 + C_1C_4
9.1273 X-INVALID-ORDER-1273 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                          H(s) = \frac{C_2C_3C_5C_6R_2R_3R_5R_6s^4 + s^3\left(C_2C_3C_5R_2R_3R_5 + C_2C_3C_6R_2R_3R_6 + C_2C_5C_6R_2R_5R_6 + C_3C_5C_6R_3R_5R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_5R_2R_5 + C_2C_6R_2R_6 + C_3C_5R_3R_5 + C_3C_6R_3R_6 + C_5C_6R_3R_6\right) + s\left(C_2R_2 + C_3R_3 + C_5R_5 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_3C_6R
9.1274 X-INVALID-ORDER-1274 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                    9.1275 X-INVALID-ORDER-1275 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_2C_3C_4R_2R_3R_4R_6s^3 + R_6 + s^2\left(C_2C_3R_2R_3R_6 + C_2C_4R_2R_4R_6 + C_3C_4R_3R_4R_6\right) + s\left(C_2R_2R_6 + C_3R_3R_6 + C_4R_4R_6\right)}{C_1C_2C_3C_4R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_3R_2R_3R_5 - C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_3R_4R_5\right) + s^2\left(-C_1C_2R_2R_3 + C_1C_2R_2R_3 + C_1C_2R_3R_5 + C_1C_2R_3R
9.1276 X-INVALID-ORDER-1276 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_4R_2R_3R_4s^3 + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_3C_4R_3R_4\right) + s\left(C_2R_2 + C_3R_3 + C_4R_4\right) + 1}{C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_4R_3R_5 + C_1C_2C_4C_4R_5 + C_1C_2C_4C_4R_5 + C_1C_2C_4C_4R_5 + C_1C_2C_4C_4C_4R_5 
9.1277 X-INVALID-ORDER-1277 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_4C_6R_2R_3R_4R_6s^4 + s^3\left(C_2C_3C_4R_2R_3R_4 + C_2C_3C_6R_2R_3R_6 + C_2C_4C_6R_2R_4R_6 + C_3C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_4 + C_3C_6R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_6R_2R_3R_4 + C_3C_6R_3R_4 + C_3C_4R_3R_4 +
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9.1278 X-INVALID-ORDER-1278 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6s^5 + s^4\left(C_1C_2C_3C_4R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_5R_6 - C_1C_2C_4C_6R_2R_3R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_3R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_5 + C_1C_3C_4C_6R_3R_4R_5R_5 + C_1C_3C_4C_6R_3R_5R_5 + C_1C_3C_4C_6R_5R_5R_5 + C_1C_3C_4C_5R_5R_5R_5 + C_1C_3C_4C_5R_5R_5R_5 + C_$

9.1279 X-INVALID-ORDER-1279 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_2R_3R_4R_6s^3 + C_5R_6 + s^2\left(C_2C_3C_5R_2R_3R_6 + C_2C_4C_5R_2R_4R_6 + C_3C_4C_5R_3R_4R_6\right) + s\left(C_2C_5R_2R_6 + C_3C_5R_3R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_3C_4R_2R_3R_4 - C_1C_2C_4R_2R_3 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_2R_4 + C_1C_2C_5R_2R_3 + C_1C_3C_4R_3R_4 - C_1C_4C_5R_3R_4 + C_2C_3C_4R_3R_4 + C_2C_3C_3C_4R_3R_4 + C_2C_3C_3C_4R_3R_4 + C_2C_3C_3C_4R_3R_4 + C_2C_3C_3C_4R_3R_4 + C_2C_3C_3C_3C_3C_3C_3C_3$

9.1280 X-INVALID-ORDER-1280 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

- **9.1281** X-INVALID-ORDER-1281 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_4C_5C_6R_2R_3R_4R_6s^4 + C_5 + s^3\left(C_2C_3C_4C_5R_2R_3R_4 + C_2C_3C_5C_6R_2R_3R_6 + C_2C_4C_5C_6R_2R_4R_6 + C_3C_4C_5C_6R_2R_3 + C_2C_4C_5R_2R_4 + C_2C_5C_6R_2R_4 + C_2C_5C_6R_2R_4 + C_2C_5C_6R_2R_4 + C_2C_5C_6R_2R_4 + C_3C_4C_5R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_5C_6R_3R_4 + C_3C_4C_5R_3R_4 + C_3C_5C_6R_2R_3 + C_3C_4C_5R_3R_4 + C_3C_5C_6R_2R_3 + C_3C_4C_5R_3R_4 + C_3C_4C_$
- **9.1282** X-INVALID-ORDER-1282 $Z(s) = \left(\frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1 + C_2 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_6 R_2 R_3 R$
- **9.1283** X-INVALID-ORDER-1283 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{C_2C_3C_4C_5R_2R_3R_4R_5s^4 + C_1 + C_2 + s^3\left(C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_4C_5R_2R_4R_5 + C_1C_2C_4C_5R_3R_4R_5 + C_1C_3C_4C_5R_3R_4R_5 + C_1C_2C_4C_5R_3R_4R_5 + C_1C_2C_4C_5R_3R_5 + C_1C_2C_4C_5R_3R_5 + C_1C_2C_4C_5R_5R_5R_5 + C_1C_2C_4C_5R_5R_5R_5 + C_1C_2C_4C_5R_5R_5R_5 + C_1C_2C_4C_5R_5R_5R_5 + C_1C_2C_4C_5R_5R_5R_5 + C_$
- **9.1284** X-INVALID-ORDER-1284 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5s^5 + s^4\left(C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_2C_4C_5C_6R_2R_3R_5 + C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_2C_4C_5C_6R_2R_$
- **9.1285** X-INVALID-ORDER-1285 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_4C_5C_6R_2R_3R_4R_6s^4 + C_5 + s^3\left(C_2C_3C_4C_5R_2R_3R_4 + C_1C_2C_3C_4C_5R_2R_3R_4 + C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_$
- 9.1286 X-INVALID-ORDER-1286 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5R_6s^5 + C_1 + C_2 + s^4(C_1C_2C_3C_4C_5R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_2R_3R_4R_6 + C_1C_2C_4C_5C_6R_2R_3R_4R_6 + C_1C_2C_4C_5C_6R_2R_4R_5R_4 + C_1C_2C_4C_5C_6R_2R_4R_5R_5C_6R_2R_4R_5R_5C_6R_2R_4R_5R_5C_6R_2R_4R_5R_5C_6R_2R_4R_5C_6$
- **9.1287** X-INVALID-ORDER-1287 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{C_2C_3C_4C_5R_2R_3R_4R_5R_6s^4 + R_6 + s^3\left(C_2C_3C_4R_2R_3R_4R_6 + C_2C_4C_5R_2R_4R_5R_6 + C_3C_4C_5R_3R_4R_5R_6\right) + s^2\left(C_2C_3R_2R_3R_6 + C_2C_4R_2R_4R_6 + C_2C_5R_2R_5R_6 + C_3C_4R_3R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_6 + C_2C_4R_2R_4R_6 + C_2C_5R_2R_3R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_6 + C_2C_4R_2R_4R_6 + C_2C_4R_2R_4R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_6 + C_2C_4R_2R_4R_6 + C_2C_5R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_6 + C_2C_4R_2R_4R_6 + C_2C_5R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_4R_6 + C_2C_4R_2R_4R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_4R_6 + C_2C_4R_2R_4R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_4R_6 + C_2C_4R_2R_4R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_3R_4R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_4R_4R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_3R_2R_4R_4R_6 + C_2C_4R_2R_4R_6\right) + s^2\left(C_2C_4R_2R_4R_4R_6 + C_2C_4R_4R_4R_6\right) + s^2\left(C_2C_4R_3R_4R_6\right) + s^2\left(C_2C$
- **9.1288** X-INVALID-ORDER-1288 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_4C_5R_2R_3R_4R_5s^4 + s^3\left(C_2C_3C_4R_2R_3R_4 + C_2C_3C_5R_2R_3R_5 + C_2C_4C_5R_2R_4R_5 + C_3C_4C_5R_3R_4R_5\right) + s^2\left(C_2C_3R_2R_3 + C_2C_4R_2R_4 + C_2C_3C_5R_2R_3R_5 + C_2C_4C_5R_2R_3R_4 + C_2C_3C_4C_5R_2R_3R_4 + C_2C_4C_5R_2R_3R_4 + C_2C_4C_5R_2R_4R_5 + C_2C_4C_5R_3R_4R_5 + C_2C_4C$
- **9.1289** X-INVALID-ORDER-1289 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_4C_5C_6R_2R_3R_4R_5R_6s^5 + s^4\left(C_2C_3C_4C_5R_2R_3R_4R_5 + C_2C_3C_4C_6R_2R_3R_4R_6 + C_2C_4C_5C_6R_2R_3R_5R_6 + C_2C_4C_5C_6R_2R_4R_5R_6 + C_3C_4C_5C_6R_2R_4R_5R_6 + C_3C_4C_5C_6R_2R_3R_4 + C_2C_3C_5R_2R_3R_5 + C_2C_3C_6R_2R_3R_6 + C_2C_4C_5R_2R_4R_5 + C_2C_4C_6R_2R_4R_5 + C_2C_4C_5R_2R_4R_5 + C_2C_4C_$
- **9.1290** X-INVALID-ORDER-1290 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 C_1 C_2 C_4 C_6 R_2 R_4 R_5 C_1 C_2 C_4 C_6 R_5 R_5 C_1 C_2 C_4 C_6 R_5 R_5 C_1 C_2 C_5 C_6 R_5 R_5 C_1$

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H(s) = \frac{C_2C_3R_2R_3R_4R_6s^2 + R_4R_6 + s\left(C_2R_2R_4R_6 + C_3R_3R_4R_6\right)}{s^3\left(C_1C_2C_3R_2R_3R_4R_5 + C_1C_2C_4R_2R_3R_4R_5\right) + s^2\left(-C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_4R_3R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}
9.1292 X-INVALID-ORDER-1292 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3R_2R_3R_4s^2 + R_4 + s\left(C_2R_2R_4 + C_3R_3R_4\right)}{s^4\left(C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R
9.1293 X-INVALID-ORDER-1293 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_6R_2R_3R_4R_6s^3 + R_4 + s^2\left(C_2C_3R_2R_3R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_2R_2R_4 + C_3R_3R_4 + C_6R_4R_6\right)}{s^4\left(C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3
9.1294 X-INVALID-ORDER-1294 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_2C_3R_2R_3R_4R_6s^2 + R_4R_6 + s(C_2R_2R_3R_4R_6s^2 + R_4R_6 + s(C_2R_2R_4R_6s^2 + R_4R_6s^2 + R_5R_6s^2 + R_5R_6s^
                                     9.1295 X-INVALID-ORDER-1295 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                               H(s) = \frac{C_2C_3C_5R_2R_3R_4s^2 + C_5R_4 + s\left(C_2C_5R_2R_4 + C_3C_5R_3R_4\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_4 - C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_4 + C_1
9.1296 X-INVALID-ORDER-1296 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                               H(s) = \frac{C_2C_3C_5C_6R_2R_3R_4R_6s^3 + C_5R_4 + s^2\left(C_2C_3C_5R_2R_3R_4 + C_2C_5C_6R_2R_4R_6 + C_3C_5C_6R_3R_4R_6\right) + s\left(C_2C_5R_2R_4 + C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5
9.1297 X-INVALID-ORDER-1297 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_2C_5C_6R_2R_3R_4R_6 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_2R_3R_4R_6 + C_1C_2C_4R_2R_4R_6 + C_1C_2C_4R_2R_4R_6 + C_1C_2C_4R_2R_4R_6 + C_1C_2C_4R_2R_4R_6 + C_1C_2C_4R_4R_4R_6 + C_1C_2C_4R_4R_4R_6 + C_1C_2C_4R_4R_4 + C_1C_2C_4R_4R_4 + C_1C_2C_4R_4R_4 + C_1C_2C_4R_4R_4 + C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6)
9.1298 X-INVALID-ORDER-1298 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_3C_5R_2R_3R_4R_5 + C_1C_2C_4R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C
9.1299 X-INVALID-ORDER-1299 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_2C_3C_5R_2R_3R_4s^2 + C_5R_4 + s(C_2C_5R_2R_4 + C_3C_5R_3R_4)
9.1300 X-INVALID-ORDER-1300 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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9.1291 X-INVALID-ORDER-1291 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $\frac{c_2c_3c_5c_6R_2R_3R_4R_6s + c_5R_4 + s + c_2c_3c_5c_6R_2R_3R_4R_6 + c_3c_5c_6R_2R_3R_4 + c_2c_5c_6R_2R_3R_4 + c_3c_5c_6R_3R_4R_6 +$

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9.1301 X-INVALID-ORDER-1301 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1R_3 + C_1R_4 + C_2R_4 + s^4\left(C_1C_2C_3C_5C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_5R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_2C_4C_5C_6R_2R_3R_4R_5 + C_1C_2C_4C_5C_6R_2R_3R_4R_5 + C_1C_2C_4C_5C_6R_2R_3R_4R_5 + C_1C_2C_4C_5C_6R_2R_3R_4R_5 + C_1C_2C_4C_
9.1302 X-INVALID-ORDER-1302 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_2C_3C_5R_2R_3R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_2C_3R_2R_3R_4R_6 + C_2C_5R_2R_4R_5R_6 + C_3C_5R_3R_4R_5 + C_1C_2R_2R_4R_6 + C_3R_3R_4R_6 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_3R_2R_3R_4R_5 + C_1C_2C_4R_2R_3R_4R_5 + C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_4 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_3R_3R_
9.1303 X-INVALID-ORDER-1303 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5R_2R_3R_4R_5s^3 + R_4 + s^2\left(C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s\left(C_2R_2R_4 + C_3R_3R_4 + C_5R_4R_5\right)}{s^4\left(C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_6R_2R_3R_4R_5 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_2C_4C_4R_4 + C_1C_2C_4C_4C_4R_4 + C_1C_2C_4C_4C_4R_4
9.1304 X-INVALID-ORDER-1304 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_3C_5C_6R_2R_3R_4R_5R_6s^4 + R_4 + s^3\left(C_2C_3C_5R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_2C_5C_6R_2R_4R_5R_6 + C_3C_5C_6R_3R_4R_5 + C_2C_5R_2R_4R_5 + C_2C_5R_2R_4R_5 + C_2C_5R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_
9.1305 X-INVALID-ORDER-1305 Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)
H(s) = \frac{\frac{C_2C_3C_5R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_4R_5 - C_1C_2C_5R_2R_3R_4R_5 - C_1C_2C_5R_2R_3R_4R_5 - C_1C_2C_6R_2R_3R_4R_5 - C_1C_2C_6R_2R_4R_5 - C_1C_2C_6R_2R_4R_5 - C_1C_2C_6R_2R_4R_5 - C_1C_2C_6R_2R_
9.1306 X-INVALID-ORDER-1306 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                       H(s) = \frac{R_2 R_4}{C_1 C_2 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 + C_2 C_6 R_2 R_4 R_5\right)}
9.1307 X-INVALID-ORDER-1307 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                       H(s) = \frac{C_6 R_2 R_4 R_6 s + R_2 R_4}{C_1 C_2 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 R_5 s + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 + C_2 C_6 R_2 R_4 R_5\right)}
9.1308 X-INVALID-ORDER-1308 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                    \frac{R_2R_4R_6}{C_1C_2C_6R_2R_3R_4R_5R_6s^3 + R_4R_5 + s^2\left(C_1C_2R_2R_3R_4R_5 - C_1C_6R_2R_3R_4R_6 + C_1C_6R_2R_3R_5R_6 + C_1C_6R_2R_4R_5R_6\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5 + C_2R_4R_5R_6\right)}
9.1309 X-INVALID-ORDER-1309 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                            H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_6 - C_1 C_5 C_6 R_2 R_3 R_4 R_6\right) + s^2 \left(C_1 C_2 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_6 + C_1 C_6 R_2 R_4 R_6 + C_1 C_6 R_2 R_4 R_6\right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_2 R_2 R_4 + C_6 R_4 R_6\right)}
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9.1310 X-INVALID-ORDER-1310 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_5 R_2 R_4 R_6 s}{C_1 C_2 C_5 R_2 R_3 R_4 R_5 s^3 + R_4 + s^2 \left(C_1 C_2 R_2 R_3 R_4 - C_1 C_5 R_2 R_3 R_4 + C_1 C_5 R_2 R_3 R_5 + C_1 C_5 R_2 R_4 R_5 + C_1 C_5 R_2 R_4 R_5 \right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_2 R_2 R_4 + C_5 R_4 R_5 \right)}$

9.1311 X-INVALID-ORDER-1311 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_2 R_4}{C_1 C_2 C_5 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 + s^2 \left(C_1 C_2 C_6 R_2 R_3 R_4 - C_1 C_5 C_6 R_2 R_3 R_4 + C_1 C_5 C_6 R_2 R_3 R_5 + C_1 C_5 C_6 R_2 R_4 R_5 + C_1 C_5 C_6 R_2 R_4 R_5 \right) + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_4 + C_1 C_5 C_6 R_2 R_4 R_5 \right) + s \left(C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_4 + C_1 C_6 R_4 R_5 + C_1 C_6 R_5 R_5$

9.1312 X-INVALID-ORDER-1312 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{C_1C_2C_5C_6R_2R_3R_4R_5s^3 + C_6R_4 + s^2\left(C_1C_2C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_5 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_$

9.1313 X-INVALID-ORDER-1313 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1314 X-INVALID-ORDER-1314 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_2 R_4 R_5 s + R_2 R_4}{C_6 R_4 R_5 s + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_5 - C_1 C_5 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 + C_2 C_6 R_2 R_4 R_5\right)}$

9.1315 X-INVALID-ORDER-1315 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_2R_4R_5R_6s^2 + R_2R_4 + s\left(C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5\right)}$

9.1316 X-INVALID-ORDER-1316 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_2 R_4 R_5 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_5 R_6 - C_1 C_5 C_6 R_2 R_3 R_4 R_5 - C_1 C_5 R_2 R_3 R_4 R_5 - C_1 C_6 R_2 R_4 R_5 R_6 + C_1 C_6 R_2 R_4 R_5$

9.1317 X-INVALID-ORDER-1317 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & R_3, & \frac{1}{C_4 s}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{R_2}{C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5\right)}$

9.1318 X-INVALID-ORDER-1318 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_6R_2R_6s + R_2}{C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5\right)}$

9.1319 X-INVALID-ORDER-1319 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{R_2 R_6}{R_5 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_2 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 R_2 R_3 R_5 + C_1 C_4 R_2 R_3 R_5 - C_1 C_6 R_2 R_3 R_6 + C_1 C_6 R_2 R_5 R_6 + C_1 C_6 R_2 R_5 R_6\right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_2 R_2 R_5 + C_6 R_5 R_6\right)}$

9.1320 X-INVALID-ORDER-1320 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & R_3, & \frac{1}{C_4 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

 $H(s) = \frac{C_5 R_2 R_6 s}{s^3 \left(C_1 C_2 C_6 R_2 R_3 R_6 + C_1 C_4 C_6 R_2 R_3 R_6 - C_1 C_5 C_6 R_2 R_3 R_6\right) + s^2 \left(C_1 C_2 R_2 R_3 + C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3 + C_1 C_6 R_2 R_6 + C_1 C_6 R_3 R_6 + C_2 C_6 R_2 R_6\right) + s \left(C_1 R_2 + C_1 R_3 + C_2 R_2 + C_6 R_6\right) + 1}$

9.1321 X-INVALID-ORDER-1321 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{s^3 \left(C_1 C_2 C_5 R_2 R_3 R_5 + C_1 C_4 C_5 R_2 R_3 R_5\right) + s^2 \left(C_1 C_2 R_2 R_3 + C_1 C_4 R_2 R_3 - C_1 C_5 R_2 R_3 + C_1 C_5 R_2 R_5 + C_1 C_5 R_3 R_5 + C_2 C_5 R_2 R_5\right) + s \left(C_1 R_2 + C_1 R_3 + C_2 R_2 + C_5 R_5\right) + 1}$$

9.1322 X-INVALID-ORDER-1322 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_2}{C_6 + s^3 \left(C_1 C_2 C_5 C_6 R_2 R_3 R_5 + C_1 C_4 C_5 C_6 R_2 R_3 R_5\right) + s^2 \left(C_1 C_2 C_6 R_2 R_3 + C_1 C_4 C_6 R_2 R_3 + C_1 C_5 C_6 R_2 R_5 + C_1 C_5 C_6 R_2 R_5 + C_1 C_5 C_6 R_2 R_5\right) + s \left(C_1 C_6 R_2 + C_1 C_6 R_3 + C_2 C_6 R_2 + C_5 C_6 R_2\right)}$

9.1323 X-INVALID-ORDER-1323 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_2R_6s + C_5R_2}{C_6 + s^3\left(C_1C_2C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2 + C_5C_6R_2\right)}$

9.1324 X-INVALID-ORDER-1324 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_2 R_6 s}{s^4 \left(C_1 C_2 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_3 R_6 + C_1 C_4 C_5 R_2 R_3 R_6 + C_1 C_5 C_6 R_2 R_3 R_$

9.1325 X-INVALID-ORDER-1325 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_5 s + R_2}{C_6 R_5 s + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_4 C_6 R_2 R_3 R_5 - C_1 C_5 C_6 R_2 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5 + C_2 C_6 R_2 R_5\right)}$$

9.1326 X-INVALID-ORDER-1326 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_5R_6s^2 + R_2 + s\left(C_5R_2R_5 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5\right)}$$

9.1327 X-INVALID-ORDER-1327 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & R_3, & \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_2 R_3 R_5 R_6 - C_1 C_5 C_6 R_2 R_3 R_5 R_6 \right) + s^2 \left(C_1 C_2 R_2 R_3 R_5 + C_1 C_4 R_2 R_3 R_5 - C_1 C_5 R_2 R_3 R_5 - C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_5 + C_1 C_6 R_5 + C_1 C_6 R_5 R_5 + C_1 C_6$$

9.1328 X-INVALID-ORDER-1328 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_4 R_2 R_4 R_6 s + R_2 R_6}{C_1 C_2 C_4 R_2 R_3 R_4 R_5 s^3 + R_5 + s^2 \left(C_1 C_2 R_2 R_3 R_5 - C_1 C_4 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_5 + C_1 C_4 R_2 R_4 R_5 + C_1 C_4 R_2 R_4 R_5 \right) + s \left(-C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_2 R_2 R_5 + C_4 R_4 R_5 \right)}$$

9.1329 X-INVALID-ORDER-1329 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4 R_2 R_4 s + R_2}{C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 s^4 + C_6 R_5 s + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_5 - C_1 C_4 C_6 R_2 R_3 R_4 + C_1 C_4 C_6 R_2 R_3 R_5 + C_1 C_4 C_6 R_2 R_4 R_5 + C_1 C_4 C_6 R_2 R_4 R_5 \right) + s^2 \left(-C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_2 R_5 + C_4 C_6 R_4 R_5 \right)}$$

9.1330 X-INVALID-ORDER-1330 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_6R_2R_4R_6s^2 + R_2 + s\left(C_4R_2R_4 + C_6R_2R_6\right)}{C_1C_2C_4C_6R_2R_3R_4R_5s^4 + C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 - C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5 + C_4C_6R_4R_5\right)}$$

9.1331 X-INVALID-ORDER-1331 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4 R_2 R_4 R_6 s + R_2 R_6}{C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 R_6 s^4 + R_5 + s^3 \left(C_1 C_2 C_4 R_2 R_3 R_4 R_5 + C_1 C_2 C_6 R_2 R_3 R_5 R_6 - C_1 C_4 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_2 R_4 R_5 R_6 + C_$

9.1332 X-INVALID-ORDER-1332 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_2C_4R_2R_3R_4 - C_1C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2R_2R_3 + C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_4R_3R_4 - C_1C_5R_2R_3 + C_2C_4R_2R_4\right) + s\left(C_1R_2 + C_1R_3 + C_2R_2 + C_4R_4\right) + 1}$

9.1333 X-INVALID-ORDER-1333 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_2R_4s + C_5R_2}{C_6 + s^3\left(C_1C_2C_4C_6R_2R_3R_4 - C_1C_4C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_3 + C_2C_4C_6R_2R_4\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2 + C_4C_6R_4\right)}{c_6 + s^3\left(C_1C_2C_4C_6R_2R_3R_4 - C_1C_4C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_4\right) + s\left(C_1C_6R_2 + C_1C_6R_2 + C_1C_6R_2 + C_1C_6R_2\right)}$

9.1334 X-INVALID-ORDER-1334 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_2R_4R_6s^2 + C_5R_2 + s\left(C_4C_5R_2R_4 + C_5C_6R_2R_6\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_2R_3R_4 - C_1C_4C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_2R_3 + C_2C_4C_6R_2R_4\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2 + C_4C_6R_4\right)}$

9.1335 X-INVALID-ORDER-1335 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_6s^2 + C_5R_2R_6s}{s^4\left(C_1C_2C_4C_6R_2R_3R_4R_6 - C_1C_4C_5C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_6 + C_1C_4C_6R_2R_3R_6 + C_1C_4C_6R_2R_$

9.1336 X-INVALID-ORDER-1336 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_6s^2 + C_5R_2R_6s}{C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_5 - C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_4R_2R_3 + C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_5R_2R_3 + C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5$

9.1337 X-INVALID-ORDER-1337 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_2R_4s + C_5R_2}{C_1C_2C_4C_5C_6R_2R_3R_4R_5s^4 + C_6 + s^3\left(C_1C_2C_4C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_$

9.1338 X-INVALID-ORDER-1338 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_4C_5C_6R_2R_4R_6s^2 + C_5R_2 + s\left(C_4C_5R_2R_4 + C_5C_6R_2R_6\right)$ $H(s) = \frac{C_4C_5C_6R_2R_4R_6s^2 + C_5R_2 + s\left(C_4C_5R_2R_4 + C_5C_6R_2R_4\right)}{C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5$

9.1339 X-INVALID-ORDER-1339 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2C_4C_5C_6R_2R_3R_4R_5R_6s^5 + s^4\left(C_1C_2C_4C_5R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4R_6 + C_1C_4C_5C_6R_2R_3R_4R_6 + C_1C_4C_5C_6R_2R_3R_4R_6 + C_1C_4C_5C_6R_2R_3R_4R_6 + C_1C_4C_5C_6R_2R_3R_4R_5R_6 + C_1C_4C_5C_6R_2R_4R_5R_6 + C_1C_4C_5C_6R_4R_4R_5R_6 + C_1C_4C_5C_6R_4R_4R_5R_6 + C_1C_4C_5C_6R_4R_4R_5R_6 + C_1C_4C_5C_6R_4R_4R_5R_6 + C_1C_4C_5C_6R_4R_4R_5R_6 + C_1C_4C_5C_6R_4R_5R_5R_6 + C_1C_4C_5C_6R_4R_5R_5R_6 + C_1C_4C_5C_6R_5R_$

9.1340 X-INVALID-ORDER-1340 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_4C_5R_2R_4R_5R_6s^2 + R_2R_6 + s\left(C_4R_2R_4R_6 + C_5R_2R_5R_6\right)}{R_5 + s^3\left(C_1C_2C_4R_2R_3R_4R_5 - C_1C_4C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_2R_3R_5 - C_1C_4R_2R_3R_4 + C_1C_4R_2R_4R_5 + C_1C_4R_2R_4R_5 + C_1C_4R_2R_4R_5\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5 + C_4R_4R_5\right)}$

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9.1341 X-INVALID-ORDER-1341 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_4C_5R_2R_4R_5s^2 + R_2 + s\left(C_4R_2R_4 + C_5R_2R_5\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_5 + C_1C_4
9.1342 X-INVALID-ORDER-1342 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_4C_5C_6R_2R_4R_5R_6s^3 + R_2 + s^2\left(C_4C_5R_2R_4R_5 + C_4C_6R_2R_4R_6 + C_5C_6R_2R_5R_6\right) + s\left(C_4R_2R_4 + C_5R_2R_5 + C_6R_2R_6\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_4C_5C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_5 + C_1C
9.1343 X-INVALID-ORDER-1343 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_4C_5R_2R_4R_5R_6s}{R_5 + s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5R_6 - C_1C_4C_5C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_4C_6R_2R_4R_5 - C_1C_4C_6R_4R_4R_5 - C_1C_4C_6R_4R_5 - C_
9.1344 X-INVALID-ORDER-1344 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                               H(s) = \frac{R_2 R_4}{C_6 R_4 R_5 s + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 + C_2 C_6 R_2 R_4 R_5\right)}
9.1345 X-INVALID-ORDER-1345 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                               H(s) = \frac{C_6R_2R_4R_6s + R_2R_4}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5\right)}
9.1346 X-INVALID-ORDER-1346 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)
                                    \frac{R_{2}R_{4}R_{6}}{R_{4}R_{5} + s^{3}\left(C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s^{2}\left(C_{1}C_{2}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{4}R_{2}R_{3}R_{4}R_{5} - C_{1}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(-C_{1}R_{2}R_{3}R_{4} + C_{1}R_{2}R_{3}R_{5} + C_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(-C_{1}R_{2}R_{3}R_{4} + C_{1}R_{2}R_{3}R_{5} + C_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(-C_{1}R_{2}R_{3}R_{4} + C_{1}R_{2}R_{3}R_{5} + C_{1}R_{2}R_{3}R_{5} + C_{1}R_{2}R_{3}R_{5}R_{6}\right) + s\left(-C_{1}R_{2}R_{3}R_{4} + C_{1}R_{2}R_{3}R_{5} + C_{1}R_{2}R_{5} + C_{1}R_{2}R_{3}R_{5} + C_{1}R_{2}R_{3}R_{5} + C_{1}R_{2}R_{5} + C_{1}R_{2}R_{5} + C_{1}R_{2}R_{5} + C_{1}R_{2}R_{5} + C_{1}R_{2}R_{5} + C_{1}R_{2}R_{5} + C_{1}R_{2}R_{5}
9.1347 X-INVALID-ORDER-1347 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_6 + C_1 C_4 C_6 R_2 R_3 R_4 R_6 - C_1 C_5 C_6 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_4 + C_1 C_5 R_2 R_3 R_4 + C_1 C_6 R_2 R_4 R_6 + C_1 
9.1348 X-INVALID-ORDER-1348 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                H(s) = \frac{C_5 R_2 R_4 R_6 s}{R_4 + s^3 \left(C_1 C_2 C_5 R_2 R_3 R_4 R_5 + C_1 C_4 C_5 R_2 R_3 R_4 + C_1 C_4 R_2 R_3 R_4 + C_1 C_5 R_2 R_3 R_4 + C_1 C_5 R_2 R_3 R_5 + C_1 C_5 R_2 R_4 R_5 + C_1 C_5 R_2 R_4 R_5 \right) + s \left(C_1 R_2 R_3 + C_1 R_2 R_4 + C_1 R_3 R_4 + C_2 R_2 R_4 + C_5 R_4 R_5 \right)}
9.1349 X-INVALID-ORDER-1349 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_5 R_2 R_4}{C_6 R_4 + s^3 \left(C_1 C_2 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 \right) + s^2 \left(C_1 C_2 C_6 R_2 R_3 R_4 + C_1 C_5 C_6 R_2 R_3 R_4 + C_1 C
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9.1350 X-INVALID-ORDER-1350 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_2R_4R_6s + C_5R_2R_4}{C_6R_4 + s^3\left(C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_4 + C_1C_$

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9.1351 X-INVALID-ORDER-1351 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{1}{R_4 + s^4 \left(C_1 C_2 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_5 C_6 R_2 R_3 R_4 R_6$

9.1352 X-INVALID-ORDER-1352 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_2 R_4 R_5 s + R_2 R_4}{C_6 R_4 R_5 s + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_6 R_2 R_3 R_4 R_5 - C_1 C_5 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_2 R_4 R_5\right)}$

9.1353 X-INVALID-ORDER-1353 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_2R_4R_5R_6s^2 + R_2R_4 + s\left(C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right)}$

9.1354 X-INVALID-ORDER-1354 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_5 R_2 R_4 R_5 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_5 R_2 R_3 R_4 R_5 + C_1 C_4 R_2 R_3 R_4 R_5 - C_1 C_5 R_2 R_3 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1$

9.1355 X-INVALID-ORDER-1355 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{-C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(C_1 C_2 R_2 R_4 R_5 + C_1 C_3 R_2 R_4 R_5 + C_2 C_3 R_2 R_4 R_5\right)}$$

9.1356 X-INVALID-ORDER-1356 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_2 R_4}{s^2 \left(C_1 C_2 C_6 R_2 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 + C_2 C_3 C_6 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5\right)}$$

9.1357 X-INVALID-ORDER-1357 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1358 X-INVALID-ORDER-1358 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}$$

9.1359 X-INVALID-ORDER-1359 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & R_4, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}{C_3C_5R_2R_4 + C_3C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$$

9.1360 X-INVALID-ORDER-1360 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$$

9.1361 X-INVALID-ORDER-1361
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_5C_6R_2R_4R_5R_6 + C_1C_3C_5C_6R_2R_4R_5R_6 + C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6 + C_1C_5C_6R_4R_6 + C_1C_5C_6R_5R_6 + C_1C_5C_$

9.1362 X-INVALID-ORDER-1362 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5 + C_2C_3R_2R_4R_5\right)}$$

9.1363 X-INVALID-ORDER-1363 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_5s + C_3R_2R_4}{s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1364 X-INVALID-ORDER-1364 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_4R_5R_6s^2 + C_3R_2R_4 + s\left(C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1365 X-INVALID-ORDER-1365 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_2 R_6}{-C_1 R_2 + C_1 R_5 + C_3 R_5 + s \left(C_1 C_2 R_2 R_5 + C_1 C_3 R_2 R_5 + C_1 C_4 R_2 R_5 + C_2 C_3 R_2 R_5\right)}$$

9.1366 X-INVALID-ORDER-1366 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_2}{s^2 \left(C_1 C_2 C_6 R_2 R_5 + C_1 C_3 C_6 R_2 R_5 + C_1 C_4 C_6 R_2 R_5 + C_2 C_3 C_6 R_2 R_5 \right) + s \left(-C_1 C_6 R_2 + C_1 C_6 R_5 + C_3 C_6 R_5 \right)}$$

9.1367 X-INVALID-ORDER-1367 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_2R_6s + C_3R_2}{s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.1368 X-INVALID-ORDER-1368 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & R_6 \end{pmatrix}$

$$H(s) = \frac{C_3 C_5 R_2 R_6 s}{C_1 + C_3 + s \left(C_1 C_2 R_2 + C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_2 C_3 R_2\right)}$$

9.1369 X-INVALID-ORDER-1369 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_2}{C_1C_6 + C_3C_6 + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}$$

9.1370 X-INVALID-ORDER-1370 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}$$

9.1371 X-INVALID-ORDER-1371 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_5C_6R_2R_5R_6 + C_1C_3C_5C_6R_2R_5R_6 + C_2C_3C_5C_6R_2R_5R_6 + C_1C_2C_5R_2R_5 + C_1C_2C_6R_2R_6 + C_1C_3C_5R_2R_5 + C_1C_4C_6R_2R_6 + C_1C_5C_6R_2R_6 + C_1C_5C_6R_2R_5R_6 + C_1C_5C_6R_5R_5R_6 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 + C_1C_5C_5R_5R_5 +$

9.1372 X-INVALID-ORDER-1372 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_5R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s\left(C_1C_2R_2R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 + C_2C_3R_2R_5\right)}$

9.1373 X-INVALID-ORDER-1373 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_2R_5s + C_3R_2}{s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$

9.1374 X-INVALID-ORDER-1374 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_5R_6s^2 + C_3R_2 + s\left(C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$

9.1375 X-INVALID-ORDER-1375 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4R_2R_4s + C_3R_2}{s^3\left(C_1C_2C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_5 + s^2\left(C_1C_2C_6R_2R_5 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_3C_4C_6R_4R_5 + s^2\left(C_1C_2C_6R_2R_5 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5$

9.1376 X-INVALID-ORDER-1376 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_6R_2R_4R_6s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_2C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C$

9.1377 X-INVALID-ORDER-1377 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4R_2R_4R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_2C_4C_6R_2R_4R_5R_6 + C_1C_3C_4C_6R_2R_4R_5R_6 + C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5 + C_1C_4C_6R_2R_4R_6 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5$

9.1378 X-INVALID-ORDER-1378 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_4C_6R_2R_4R_6 + C_1C_3C_4C_6R_2R_4R_6 + C_2C_3C_4C_6R_2R_4R_6 + C_1C_3C_4R_2R_4 + C_1C_3C_6R_2R_6 + C_1C_4C_5R_2R_4 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_4R_6 +$

9.1379 X-INVALID-ORDER-1379 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_4C_5R_2R_4R_5 + C_1C_3C_4C_5R_2R_4R_5 + C_2C_3C_4C_5R_2R_4R_5 + C_1C_3C_4R_2R_4 + C_1C_3C_5R_2R_5 + C_1C_4C_5R_2R_4 + C_1C_4C_5R_2R_5 + C_1C_4C_5R_2R_4 + C_1C_4C_5R_2R_5 + C_1C_4C_5R_4R_5 + C_2C_3C_4R_2R_5 + C_2C_3C_4R_2R_5 + C_1C_4C_5R_4R_5 + C_2C_3C_4R_2R_5 + C_2C_3C_4R_5 + C_2C_3C_4R_5 + C_2C_3C_4R_5 + C_2C_3C_5R_5 + C_2C_3C_5R_5 + C_2C_3C_5R_5 + C_2C_3C_5R_5 + C_2C_3C_5R_5 + C_2C_$

9.1380 X-INVALID-ORDER-1380 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4s + C_3C_5R_2}{C_1C_6 + C_3C_6 + S^3\left(C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_3C_4C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_5 + C_1C_3C_4C_5R_2R_4 + C_1C_3C_5C_6R_2R_4 + C_1C_5C_5C_6R_2R_4 + C_1C_5C_5C_6R_2R_4 + C_1C_5C_5C_6R_2R_4 + C_1C_5C_5C_6R_2R_4 + C_1C_5C_5C_6R_2R_4 +$

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9.1381 X-INVALID-ORDER-1381 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_4C_5C_6R_2R_4R_6s^2 + C_3C_5R_2 + s\left(C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_4 + C_3C_5C_6R_2R$

9.1382 X-INVALID-ORDER-1382 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1 + C_3 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 + C_1 C_3 C_4 C_5 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 + C_1 C_3 C_4 C_5 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_4 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_4 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_4 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_4 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_5 R_5 R_5 R_5$

9.1383 X-INVALID-ORDER-1383 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_5s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_5R_2R_5\right)}{s^3\left(C_1C_2C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_4C_5R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_1C_4C$

9.1384 X-INVALID-ORDER-1384 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_2R_4R_5R_6s^3 + C_3R_2 + s^2\left(C_3C_4C_5R_2R_4R_5 + C_3C_4C_6R_2R_4R_6 + C_3C_5C_6R_2R_5R_6\right) + s\left(C_3C_4R_2R_4 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_2C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_4C_6R_2R_5 + C_2C_3C_4C_5R_5 + C_2C_3C_4C_5R_5 + C_2C_3C_4C_5R_5 + C_2C_3C_4C_5R_5 + C_2C_3C_4C_5R_5 + C_2C_3C_4C_5R_5 + C_2C_3C_5C_5R_5 + C_2C_3C_5C_5R_5 + C_2C_3C_5C_5R_5 + C_2C_3C_5C_5C_5R_5 + C_2C_3$

9.1385 X-INVALID-ORDER-1385 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6s + C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6s + C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6s + C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_4R_5R_6s^2 + C_3R_2R_4R_5R_6s^2$

9.1386 X-INVALID-ORDER-1386 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_3 R_2 R_4 R_6}{-C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + C_3 R_4 R_5 + s \left(C_1 C_2 R_2 R_4 R_5 + C_1 C_3 R_2 R_4 R_5 + C_1 C_4 R_2 R_4 R_5 + C_2 C_3 R_2 R_4 R_5\right)}$$

9.1387 X-INVALID-ORDER-1387 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3 R_2 R_4}{s^2 \left(C_1 C_2 C_6 R_2 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_4 C_6 R_2 R_4 R_5 + C_2 C_3 C_6 R_2 R_4 R_5 \right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5 \right)}$$

9.1388 X-INVALID-ORDER-1388 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1389 X-INVALID-ORDER-1389 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_4 + C_1C_4R_2R_4 - C_1C_5R_2R_4 + C_2C_3R_2R_4\right)}$$

9.1390 X-INVALID-ORDER-1390 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{1}{C_5 s}, & \frac{1}{C_6 s} \end{pmatrix}$

$$H(s) = \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$$

9.1391 X-INVALID-ORDER-1391 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$

9.1392 X-INVALID-ORDER-1392 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_5C_6R_2R_4R_5R_6 + C_1C_3C_5C_6R_2R_4R_5R_6 + C_1C_4C_5C_6R_2R_4R_5R_6 + C_1C_4C_5R_2R_4R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_4R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5C_5R_5R_5R_5 + C_1C_5$

9.1393 X-INVALID-ORDER-1393 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5 + C_2C_3R_2R_4R_5\right)}$

9.1394 X-INVALID-ORDER-1394 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5s + C_3R_2R_4}{s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$

9.1395 X-INVALID-ORDER-1395 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_4R_5R_6s^2 + C_3R_2R_4 + s\left(C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$

9.1396 X-INVALID-ORDER-1396 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_2 R_4}{C_1 C_2 C_3 C_6 R_2 R_3 R_4 R_5 s^3 + s^2 \left(C_1 C_2 C_6 R_2 R_4 R_5 - C_1 C_3 C_6 R_2 R_3 R_4 + C_1 C_3 C_6 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 \right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_3 C_6 R_4 R_5 \right)}$

9.1397 X-INVALID-ORDER-1397 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{C_1C_2C_3C_6R_2R_3R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$

9.1398 X-INVALID-ORDER-1398 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_2 R_4 R_6}{C_1 C_2 C_3 C_6 R_2 R_3 R_4 R_5 R_6 s^3 - C_1 R_2 R_4 + C_1 R_2 R_5 + C_1 R_4 R_5 + c_3 R_4 R_5 + c_1 C_2 C_6 R_2 R_4 R_5 R_6 - C_1 C_3 C_6 R_2 R_3 R_4 R_6 + C_1 C_3 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_6 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_5 R_5 R_6 + C_1$

9.1399 X-INVALID-ORDER-1399 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_3C_6R_2R_3R_4R_6 - C_1C_3C_5R_2R_3R_4 + C_1C_2C_6R_2R_4R_6 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_6 + C_1C_$

9.1400 X-INVALID-ORDER-1400 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1C_2C_3C_5R_2R_3R_4R_5s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_2R_3R_4 + C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5\right) + s\left(C_1C_2R_2R_4 + C_1C_3R_2R_4 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_3R_3$

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9.1401 X-INVALID-ORDER-1401 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_5R_2R_4}{C_1C_2C_3C_5C_6R_2R_3R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_3R_4 + C_1$

9.1402 X-INVALID-ORDER-1402 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_4R_6s + C_3C_5R_2R_4}{C_1C_2C_3C_5C_6R_2R_3R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C$

9.1403 X-INVALID-ORDER-1403 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_5C_6R_2R_3R_4R_5R_6s^4 + C_1C_3C_5C_6R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_3C_5C_6R_2R_3R_4R_6 + C_1C_3C_5C_6R_3R_4R_6 + C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_3C_5C_6R_3R_4R_5R_5 + C_1C_3C_5C_6R_3R_4R_5R_5 + C_1C_3C_5C_6R_3R_4R_5R_5 + C_1C_3C_5C_6R_3R_4R_5R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_5R_5 + C_1C_5C_5C_6R_5R_5R_5 + C_1C_5C_5C_6R_5R_5R_5 + C_1C_5C_5C_6R_5R_5R_5R$

9.1404 X-INVALID-ORDER-1404 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5s + C_3R_2R_4}{s^3\left(C_1C_2C_3C_6R_2R_3R_4R_5 - C_1C_3C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$

9.1405 X-INVALID-ORDER-1405 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_4R_5R_6s^2 + C_3R_2R_4 + s\left(C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_4R_5 - C_1C_3C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$

9.1406 X-INVALID-ORDER-1406 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_5R_6s + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5$

9.1407 X-INVALID-ORDER-1407 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_2}{s^3 \left(C_1 C_2 C_3 C_6 R_2 R_3 R_5 + C_1 C_3 C_4 C_6 R_2 R_3 R_5\right) + s^2 \left(C_1 C_2 C_6 R_2 R_5 - C_1 C_3 C_6 R_2 R_3 + C_1 C_3 C_6 R_2 R_5 + C_1 C_3 C_6 R_2 R_5 + C_1 C_4 C_6 R_2 R_5 + C_2 C_3 C_6 R_2 R_5\right) + s \left(-C_1 C_6 R_2 + C_1 C_6 R_5 + C_3 C_6 R_5\right)}$

9.1408 X-INVALID-ORDER-1408 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_2R_6s + C_3R_2}{s^3\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_5\right) + s^2\left(C_1C_2C_6R_2R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$

9.1409 X-INVALID-ORDER-1409 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_2 R_6}{-C_1 R_2 + C_1 R_5 + C_3 R_5 + s^3 \left(C_1 C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_3 R_6 + C_1 C_3 C_6 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_5 R_5 + C_1 C_3 C_6 R_5 R_5 + C_1 C_3 C_6 R_5 R_5 + C_1 C_3 C_6 R_5 R_5 + C_1 C_5 C_6 R_5 R$

9.1410 X-INVALID-ORDER-1410 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_3C_6R_2R_3R_6 + C_1C_3C_4C_6R_2R_3R_6 - C_1C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2C_3R_2R_3 + C_1C_3C_6R_2R_6 + C_1C_3C_6R_2R_6$

9.1411 X-INVALID-ORDER-1411 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_3C_5R_2R_3R_5 + C_1C_3C_4C_5R_2R_3R_5\right) + s^2\left(C_1C_2C_3R_2R_3 + C_1C_2C_5R_2R_5 + C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_5R_5 + C_1C$ **9.1412** X-INVALID-ORDER-1412 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2}{C_1C_6 + C_3C_6 + s^3\left(C_1C_2C_3C_5C_6R_2R_3R_5 + C_1C_3C_4C_5C_6R_2R_3 + C_1C_2C_5C_6R_2R_3 + C_1C_3C_5C_6R_2R_3 + C_1C_3C_5C_5C_6R_2R_3 + C_1C_5C_5C_5C_6R_2R_3 + C_1C_5C_5C_5C_6R_2R_3 + C_1C_5C_5C_5C_5C_5C_5C_5C_5C_5$

9.1413 X-INVALID-ORDER-1413 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_6s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^3\left(C_1C_2C_3C_5C_6R_2R_3R_5 + C_1C_3C_4C_5C_6R_2R_3 + C_1C_2C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_3 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_5C_6R_2R_5 + C_1C_5C_5C_6R_2R_5 + C_1C_5C_5C_6R_2R_5 + C_1C_5C_5C_6R_2R_5 + C_1C_5C_5C_5C_5C_$

9.1414 X-INVALID-ORDER-1414 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1 + C_3 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_6 + C_1 C_3 C_4 C_5 R_2 R_3 R_6 + C_1 C_3 C_5 C_6 R_2 R_5 R_6 + C_1 C_3 C_5 C_6 R_2 R_5 R_6 + C_1 C_3 C_5 C_6 R_2 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_6 + C_1 C_5$

9.1415 X-INVALID-ORDER-1415 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_5s + C_3R_2}{s^3\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_5 - C_1C_3C_5C_6R_2R_3R_5 + s^2\left(C_1C_2C_6R_2R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5 + C_2C_3C_6R_2R_5 + s^2\left(C_1C_2C_6R_2R_5 - C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_5 + C$

9.1416 X-INVALID-ORDER-1416 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_5R_6s^2 + C_3R_2 + s\left(C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_5 - C_1C_3C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_2C_6R_2R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$

9.1417 X-INVALID-ORDER-1417 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_3C_5R_2R_5R_6s + C_3R_2R_6$ $H(s) = \frac{C_3C_5R_2R_5R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_2C_3C_6R_2R_3R_5R_6 + C_1C_3C_6R_2R_3R_5R_6 + C_1C_3C_6R_2R_3R_5R_6 + C_1C_3C_6R_2R_3R_5R_6 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_3R_5 + C$

9.1418 X-INVALID-ORDER-1418 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3C_4R_2R_4R_6s + C_3R_2R_6}{C_1C_2C_3C_4R_2R_3R_4R_5s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_2R_3R_5 + C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_$

9.1419 X-INVALID-ORDER-1419 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

9.1420 X-INVALID-ORDER-1420 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_4C_6R_2R_4R_6s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_6R_2R_6\right)$ $\frac{U_3U_4U_6\kappa_2\kappa_4\kappa_6s^2 + U_3\kappa_2 + s\left(U_3U_4\kappa_2\kappa_4 + U_3U_6\kappa_2\kappa_6\right)}{C_1C_2C_3C_4C_6R_2R_3R_4 + S^3\left(C_1C_2C_3C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_4C_4R_4R_5 + C_1C_3C_4C_4C_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C_3C_4C_4C_4R_4R_5 + C_1C_3C_$

- **9.1421** X-INVALID-ORDER-1421 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6s^4 C_1R_2 + C_1R_5 + C_3R_5 + s^3(C_1C_2C_3C_4R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_4R_5R_6 C_1C_3C_4C_6R_2R_3R_5R_6 + C_1C_3C_4C_6R_2R_3R_5R_6 + C_1C_3C_4C_6R_2R_3R_5R_6 + C_1C_3C_4C_6R_2R_4R_5R_6 + C_1C_3C_4C_6R_4R_5R_5R_6 + C_1C_3C_4C_6R_4R_5R_5R_6 + C_1C_3C_4C_6R_5R_5R_5R_5 + C_1C_3C_4C_6R_5R_5R_5R_5 + C_1C_3C_4C_6R_5R_5R_5R_5 + C_1C_3C_4C_6R_5R_5R_5R_5 + C_1C_3C_4C_5R_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5$
- **9.1422** X-INVALID-ORDER-1422 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_3C_4R_2R_3R_4 C_1C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2C_3R_2R_3 + C_1C_2C_4R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_4R_4 + C_1C_3C_4R_4 + C_1C_3C_4R_4$
- **9.1423** X-INVALID-ORDER-1423 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_3C_4C_5R_2R_4s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_4 C_1C_3C_4C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_4C_4C_4R_4 + C_1C_3C_4C$
- **9.1424** X-INVALID-ORDER-1424 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- **9.1425** X-INVALID-ORDER-1425 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1 + C_3 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 C_1 C_3 C_4 C_5 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_2 R_3 R_4 + C_1 C_2 C_4 C_6 R_2 R_3 R_6 + C_1 C_3 C_4$
- **9.1426** X-INVALID-ORDER-1426 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5R_2R_3R_4R_5s^4 + C_1 + C_3 + s^3\left(C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_3C_5R_2R_3R_5 + C_1C_3C_4C_5R_2R_3R_5 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_5C_5C_5R_5R_5 + C_1C_$
- **9.1427** X-INVALID-ORDER-1427 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- **9.1428** X-INVALID-ORDER-1428 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5s^4 + C_1C_6 + C_3C_6 + s^3(C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_4C_5C_6R_2R_4R_5 C_1C_3C_4C_5C_6R_2R_3R_4 + C_1C_3C_4C_5C_6R_2R_3R_5 + C_1C_3C_4C_5C_6R_2R_3R_5 + C_1C_3C_4C_5C_6R_2R_4R_5 + C_1C_3C_4C_5C_6R_4C_4C_5C_6R_4C_4C_5C_6R_5C_6R_5C_6R_5C_5C_6R_5C_6R_5C_5C_6R_5C_6R_5C_5C_6C_5C_5C_6C_5C_5C_5C_5$
- **9.1429** X-INVALID-ORDER-1429 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5R_6s^5 + C_1 + C_3 + s^4\left(C_1C_2C_3C_4C_5R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_2R_3R_5R_6 + C_1C_2C_4C_5C_6R_2R_4R_5R_6 + C_1C_3C_4C_5C_6R_2R_3R_4R_6 + C_1C_3C_4C_5C_6R_2R_4R_5R_5C_6R_2R_4R_5R_5C_6R_2R_4R_5R_5C_6R_2R_4R_5R_5C_6R_2R_4R_5C_6R_5C_5C_6R_5C_6R_5C_5C_6R_5C_5C_5C_$
- **9.1430** X-INVALID-ORDER-1430 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
 - $C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6 + s(C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6)$
- $-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_2C_3C_4R_2R_3R_4R_5 C_1C_3C_4C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2C_3R_2R_3R_5 + C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_4R_5$

9.1431 X-INVALID-ORDER-1431 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $C_3C_4C_5R_2R_4R_5s^2 + C_3R_2 + s(C_3C_4R_2R_4 + C_3C_5R_2R_4)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_5s^2 + C_3R_2 + s\left(C_3C_4R_2R_4 + C_3C_5R_2\right)}{s^4\left(C_1C_2C_3C_4C_6R_2R_3R_4R_5 - C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C$

9.1432 X-INVALID-ORDER-1432 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_2R_4R_5R_6s^3 + C_3R_2 + s^2\left(C_3C_4C_5R_2R_4R_5 + C_3C_4C_6R_2R_4R_6 + C_3C_5C_6R_2R_5R_6\right)}{s^4\left(C_1C_2C_3C_4C_6R_2R_3R_4R_5 - C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_$

9.1433 X-INVALID-ORDER-1433 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-}{-C_1R_2 + C_1R_5 + C_3R_5 + s^4\left(C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_5R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_3C_4C_6R_2R_3R_4R_5 - C_1C_3C_4C_6R_2R_3R_4R$

9.1434 X-INVALID-ORDER-1434 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_2 R_4}{s^3 \left(C_1 C_2 C_3 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(C_1 C_2 C_6 R_2 R_4 R_5 - C_1 C_3 C_6 R_2 R_3 R_4 + C_1 C_3 C_6 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 + C_1 C_6 R_2 R_5 + C_1 C_6 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 R_5 + C_1 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_5 R_5\right) + s \left(-C_1 C_6$

9.1435 X-INVALID-ORDER-1435 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_2R_4R_6s + C_3R_2R_4}{s^3\left(C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + s^2\left(C_1C_2C_6R_2R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + c_1C_3C_6R_2R_4R_5 + c_1C_3C_6$

9.1436 X-INVALID-ORDER-1436 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^3\left(C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5 + s^2\left(C_1C_2C_3R_2R_3R_4R_5 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_3C_4R_2R_3R_4R_5 - C_1C_3C_6R_2R_3R_4R_6 + C_1C_3C_6R_2R_3R_4R_5 +$

9.1437 X-INVALID-ORDER-1437 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_3C_6R_2R_3R_4R_6 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_$

9.1438 X-INVALID-ORDER-1438 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_3C_5R_2R_3R_4R_5 + C_1C_3C_4R_2R_3R_4 + C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_3R_4 +$

9.1439 X-INVALID-ORDER-1439 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{\frac{c_3 c_5 r_{02} r_{04}}{C_1 C_6 R_2 + C_1 C_6 R_4 + C_3 C_6 R_4 + s^3 \left(C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_5 C_6 R_2 R_3 R_4 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 +$

9.1440 X-INVALID-ORDER-1440 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 C_5 C_6 R_2 R_4 R_6 s + C_3 C_5 L_2 R_4}{C_1 C_6 R_2 + C_1 C_6 R_4 + C_3 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_5 C_6 R_2 R_3 R_4 + C_1 C_3 C_5 C_6$

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9.1441 X-INVALID-ORDER-1441 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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9.1442 X-INVALID-ORDER-1442 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $\frac{C_{3}C_{5}R_{2}R_{4}R_{5}s+C_{3}R_{2}R_{4}}{s^{3}\left(C_{1}C_{2}C_{3}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{$

9.1443 X-INVALID-ORDER-1443 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_4R_5R_6s^2 + C_3R_2R_4 + s\left(C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 - C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C_3C$

9.1444 X-INVALID-ORDER-1444 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1445 X-INVALID-ORDER-1445 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3R_2R_3R_4s + R_2R_4}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5 + C_3C_6R_3R_4R_5\right)}$

9.1446 X-INVALID-ORDER-1446 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_2R_3R_4R_6s^2 + R_2R_4 + s\left(C_3R_2R_3R_4 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5 + C_3C_6R_3R_4R_5\right)}$

9.1447 X-INVALID-ORDER-1447 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_2 R_3 R_4 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 R_2 R_3 R_4 R_5 + C_1 C_6 R_2 R_4 R_5 R_6 + C_1 C_6 R_5 R_5 R_6 + C_1 C_6 R_$

9.1448 X-INVALID-ORDER-1448 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

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

9.1449 X-INVALID-ORDER-1449 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

9.1450 X-INVALID-ORDER-1450 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 C_5 R_2 R_3 R_4 s + C_5 R_2 R_3}{C_6 R_4 + s^3 \left(C_1 C_2 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_2 R_3 R_4 + C_1 C_5$

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9.1451 X-INVALID-ORDER-1451 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^3\left(C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_3C_5C_6R_2R_3R_4R_5 + C_1C_5C_6R_2R_3R_4 
9.1452 X-INVALID-ORDER-1452 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{R_4 + s^4 \left( C_1 C_2 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_2 R_3 R_4 R_6 + C_1 C_5 C_6 R_2 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5
9.1453 X-INVALID-ORDER-1453 Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & R_4, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}
                                                                            H(s) = \frac{C_3C_5R_2R_3R_4R_5s^2 + R_2R_4 + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_2R_4R_5\right)}
9.1454 X-INVALID-ORDER-1454 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                             H(s) = \frac{C_3C_5C_6R_2R_3R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_3C_5R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_2R_4R_5\right)}
9.1455 X-INVALID-ORDER-1455 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)
H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^3\left(C_1C_2C_6R_2R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_5R_2R_3R_4R_5 + C_1C_5R_2R_3R_4R_5 + C_1C_5R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_5R_5 + C_1C_6R_5 + C_1C_6R_5R_5 + C_1C_6R_5 + C_1C_6R
9.1456 X-INVALID-ORDER-1456 Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{1}{C_4 s}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}
                                                                                                                                                              H(s) = \frac{C_3R_2R_3s + R_2}{C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5 + C_3C_6R_3R_5\right)}
9.1457 X-INVALID-ORDER-1457 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                              H(s) = \frac{C_3C_6R_2R_3R_6s^2 + R_2 + s\left(C_3R_2R_3 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5 + C_3C_6R_3R_5\right)}
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9.1458 X-INVALID-ORDER-1458
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3 R_2 R_3 R_6 s + R_2 R_6}{R_5 + s^3 \left(C_1 C_2 C_6 R_2 R_3 R_5 R_6 + C_1 C_3 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 R_2 R_3 R_5 + C_1 C_4 R_2 R_3 R_5 + C_1 C_4 R_2 R_3 R_5 + C_1 C_6 R_2 R_5 R_5 + C_1 C_6 R_5 R_5$$

9.1459 X-INVALID-ORDER-1459
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_3C_5R_2R_3R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_2C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_6 + C_2C_3C_6R_2R_3R_6\right) + s^2\left(C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_6R_2R_6 + C_1C_6R_3R_6 + C_2C_3R_2R_3 + C_2C_6R_2R_6 + C_3C_6R_3R_6\right) + s\left(C_1R_2 + C_1R_3 + C_2R_2 + C_3R_3R_6\right) + s\left(C_1R_2 + C_1R_3 + C_2R_3 + C_1C_6R_2R_3 + C_1C_6R_3R_6 + C_2C_3R_3R_6 + C_2C_3R_3R_6\right) + s\left(C_1R_2 + C_1R_3 + C_2C_3R_3R_6\right) + s\left(C_1R_3 + C_2C_3R_3R_6\right) +$$

9.1460 X-INVALID-ORDER-1460
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_3R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_2C_5R_2R_3R_5 + C_1C_3C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5 + C_2C_3C_5R_2R_3R_5 + C_1C_5R_2R_3 + C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_$$

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9.1461 X-INVALID-ORDER-1461 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5R_2R_3s + C_5R_2}{C_6 + s^3\left(C_1C_2C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_3R_5 + C_2C_3C_5C_6R_2R_3R_5 + C_2C_3C_5C_6R_2R_3R_5 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_
9.1462 X-INVALID-ORDER-1462 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5C_6R_2R_3R_6s^2 + C_5R_2 + s\left(C_3C_5R_2R_3 + C_5C_6R_2R_3 + C_5C
9.1463 X-INVALID-ORDER-1463 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)
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 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_3 C_5 C_6 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_3 C_5 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_3 R_6 + C_1 C_4 C_5 R_2 R_3 R_6 + C_1 C_4 C_5 R_2 R_3 R_6 + C_1 C_4 C_5 R_2 R_3 R_6 + C_1 C_5 C_6 R_2 R_5 R_6 + C_1 C_5 C_6 R_5 R$

9.1464 X-INVALID-ORDER-1464 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_5s^2 + R_2 + s\left(C_3R_2R_3 + C_5R_2R_5\right)}{C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_5C_6R_2R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_2R_5 + C_2C_6R_2R_5 + C_3C_6R_3R_5\right)}$

9.1465 X-INVALID-ORDER-1465 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_5R_6s^3 + R_2 + s^2\left(C_3C_5R_2R_3R_5 + C_3C_6R_2R_3R_6 + C_5C_6R_2R_5R_6\right) + s\left(C_3R_2R_3 + C_5R_2R_5 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_2C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_5C_6R_2R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_2R_5 + C_2C_6R_2R_5 + C_3C_6R_3R_5\right)}$

9.1466 X-INVALID-ORDER-1466 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $\frac{C_3C_5R_2R_3R_5R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_5R_6 + C_5R_2R_5R_6\right)}{R_5 + s^3\left(C_1C_2C_6R_2R_3R_5R_6 + C_1C_3C_6R_2R_3R_5R_6 + C_1C_5C_6R_2R_3R_5R_6 + C_2C_3C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_2R_2R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5 + C_1C_6R_2R_3R_5 + C_1C$

9.1467 X-INVALID-ORDER-1467 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3C_4R_2R_3R_4R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_6 + C_4R_2R_4R_6\right)}{R_5 + s^3\left(C_1C_2C_4R_2R_3R_4R_5 + C_1C_3C_4R_2R_3R_4R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_3R_4R_5 + C_1C_4R_2R_3R_5 + C_1C_4R_3R_4R_5 + C$

9.1468 X-INVALID-ORDER-1468 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4R_2R_3R_4s^2 + R_2 + s\left(C_3R_2R_3 + C_4R_2R_4\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_4R_4R_5 +$

9.1469 X-INVALID-ORDER-1469 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_6R_2R_3R_4R_6s^3 + R_2 + s^2\left(C_3C_4R_2R_3R_4 + C_3C_6R_2R_3R_6 + C_4C_6R_2R_4R_6\right) + s\left(C_3R_2R_3 + C_4R_2R_4 + C_6R_2R_6\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_4R_5 + C_1C_$

9.1470 X-INVALID-ORDER-1470 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\overline{R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_2 R_3 R_5 + C_1 C_3 C_6 R_2 R_5 + C_1 C_5 C_6 R_2 R_5 + C_1 C_5 C_6 R_5 R_5 + C_1 C$

9.1473 X-INVALID-ORDER-1473
$$Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & R_4 + \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & R_6 + \frac{1}{C_6 s} \end{pmatrix}$$

 $H(s) = \frac{C_3C_4C_5C_6R_2R_3R_4R_6s^3 + C_5R_2 + s^2\left(C_3C_4C_5R_2R_3R_4 + C_3C_5C_6R_2R_3R_6 + C_4C_5C_6R_2R_3 + C_4C_5R_2R_3 + C_4C_5R_2R_4 + C_5C_6R_2R_3 + C_4C_5R_2R_4 + C_5C_6R_2R_3 + C_4C_5R_2R_3 + C_4C_5R_3R_3 + C_4C_5R_3R_$

9.1474 X-INVALID-ORDER-1474 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 R_6 - C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_6 + C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_6 R_2 R_3 R_4 + C_1 C_3 C_4 R_2 R_3 R_4 + C_1 C_3 C_6 R_2 R_3 R_6 + C_1 C_4 C_6 R_2 R_4 R_6 + C_1 C_4 C_6 R_4 R_6 R_4 R_6 + C_1 C_4 C_6 R_4 R_6 + C_1 C_4 C_6 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6$

9.1475 X-INVALID-ORDER-1475 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_3}{s^4\left(C_1C_2C_4C_5R_2R_3R_4R_5 + C_1C_3C_4C_5R_2R_3R_4R_5 + C_1C_3C_4R_2R_3R_4 + C_1C_2C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5$

9.1476 X-INVALID-ORDER-1476 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_2 C_5 C_6 R_2 R_3 R_4 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C$

9.1477 X-INVALID-ORDER-1477 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_2 C_5 C_6 R_2 R_3 R_4 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C$

9.1478 X-INVALID-ORDER-1478 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_5 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_5 R_5 R_5 + C_1 C_3 C_4 C_5 R_5 R_5 + C_1 C_3 C_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 + C_1 C_5 C$

9.1479 X-INVALID-ORDER-1479 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_3R_4R_5R_6s^3 + R_2R_6 + s^2\left(C_3C_4R_2R_3R_4R_6 + C_3C_5R_2R_3R_5R_6 + C_4C_5R_2R_4R_5R_6\right) + s\left(C_3R_2R_3R_6 + C_4R_2R_4R_6 + C_5R_2R_5R_6\right)}{R_5 + s^3\left(C_1C_2C_4R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_4R_4 + C_1C_4R_2R_4R_4 + C_1C_4R_4R_4 + C_1C_4R_4R_4 + C_1C_4R_4$

9.1480 X-INVALID-ORDER-1480 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & R_4 + \frac{1}{C_4 s}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{C_3C_4C_5R_2R_3R_4R_5s^3 + R_2 + s^2\left(C_3C_4R_2R_3R_4 + C_3C_5R_2R_3R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_3R_2R_3 + C_4R_2R_4 + C_5R_2R_5\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 + C_1C_4C_$

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9.1481 X-INVALID-ORDER-1481 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_4C_5C_6R_2R_3R_4R_5F_6s^4 + R_2 + s^3\left(C_3C_4C_5R_2R_3R_4R_5 + C_3C_4C_6R_2R_3R_4R_6 + C_3C_5C_6R_2R_3R_5F_6 + C_4C_5C_6R_2R_3R_4 + C_3C_5R_2R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_5R_2R_3R_5 + C_4C_5R_3R_5 + C_4C_5R_5R_5 + C_4C_5R_5R_5R_5 + C_4C_$

9.1482 X-INVALID-ORDER-1482 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $\overline{R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_2 R$

9.1483 X-INVALID-ORDER-1483 $Z(s) = \begin{pmatrix} \frac{1}{C_1 s}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{R_4}{C_4 R_4 s + 1}, & R_5, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{C_3R_2R_3R_4s + R_2R_4}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_2C_6R_2R_4R_5 +$

9.1484 X-INVALID-ORDER-1484 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_2R_3R_4R_6s^2 + R_2R_4 + s\left(C_3R_2R_3R_4 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5 + C_3C_6R_3R_4R_5\right)}$

9.1485 X-INVALID-ORDER-1485 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3R_2R_3R_4R_6s + R_2R_4R_6}{R_4R_5 + s^3\left(C_1C_2C_6R_2R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_4C_6R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_3R_4R_5 + C_1C_6R_5R_5 +$

9.1486 X-INVALID-ORDER-1486 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $\frac{C_{3}C_{5}R_{2}R_{3}R_{4}R_{6}s^{2}+C_{5}R_{2}R_{4}R_{6}s}{R_{4}+s^{3}\left(C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{3}R_{2}R_{3}R_{4}+C_{1}C_{5}R_{2}R_{3}R_{4}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{6}R$

9.1487 X-INVALID-ORDER-1487 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

9.1488 X-INVALID-ORDER-1488 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_3C_5R_2R_3R_4s + C_5R_2R_4$

 $\frac{C_{3}C_{5}R_{2}R_{3}R_{4}s+C_{5}R_{2}R_{4}}{C_{6}R_{4}+s^{3}\left(C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}+C_$

9.1489 X-INVALID-ORDER-1489 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^3\left(C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_3C_5C_6R_2R_3R_4R_5 + C_1C_5C_6R_2R_3R_4 + C$

9.1490 X-INVALID-ORDER-1490 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s+1}\right)$

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9.1491 X-INVALID-ORDER-1491 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_5R_2R_3R_4R_5s^2 + R_2R_4 + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_5 + C_1C_6R_4R_4R_5 + C_1C_6R_4R$

9.1492 X-INVALID-ORDER-1492 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_3C_5R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_3R_2R_3R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5 + C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2$

9.1493 X-INVALID-ORDER-1493 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)$

 $H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_5 + C_5R_2R_4R_5R_6 + C_5R_2R_4R_5R_6\right) + s^2\left(C_1C_2R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_3R_3R_4$

9.1494 X-INVALID-ORDER-1494 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_1 R_1 R_2 R_4 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s \left(C_1 R_1 R_4 R_5 - C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5 + C_1 R_3 R_4 R_5 \right)}$$

9.1495 X-INVALID-ORDER-1495 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 R_1 R_2 R_4 s + R_2 R_4}{C_6 R_4 R_5 s + s^2 \left(C_1 C_6 R_1 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 \right)}$$

9.1496 X-INVALID-ORDER-1496 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_6R_1R_2R_4R_6s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}$$

9.1497 X-INVALID-ORDER-1497 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{-C_1C_5C_6R_2R_3R_4R_6s^3 + R_4 + s^2\left(-C_1C_5R_2R_3R_4 + C_1C_6R_1R_4R_6 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_6R_4R_6\right)}$$

9.1498 X-INVALID-ORDER-1498 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_5C_6R_1R_4R_5R_6 - C_1C_5C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_5R_6 + C_1C_5C_6R_2R_4R_5R_6 + C_1C_5C_6R_2R_4R_5R_6 + C_1C_5C_6R_2R_4R_5 + C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_5 + C_1C_5R_2R_4R_5 + C_1C_5R_4R_4R_5 + C_1C_5R_4R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_$$

9.1499 X-INVALID-ORDER-1499 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_5s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5\right)}{-C_1C_5C_6R_2R_3R_4R_5s^3 + C_6R_4R_5s + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}$$

9.1500 X-INVALID-ORDER-1500 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_1C_5R_1R_2R_4R_5 + C_1C_6R_1R_2R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{-C_1C_5C_6R_2R_3R_4R_5s^3 + C_6R_4R_5s + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_3R_4\right)}$$

9.1501 X-INVALID-ORDER-1501
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{-C_1C_5C_6R_2R_3R_4R_5R_6s^3 + R_4R_5 + s^2\left(-C_1C_5R_2R_3R_4R_5 + C_1C_6R_1R_4R_5R_6 - C_1C_6R_2R_3R_4R_6 + C_1C_6R_2R_3R_4R_5R_6 + C_1C_6R_2R_3R_4R_5 + C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_$

9.1502 X-INVALID-ORDER-1502 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 R_1 R_2 s + R_2}{C_1 C_4 C_6 R_2 R_3 R_5 s^3 + C_6 R_5 s + s^2 \left(C_1 C_6 R_1 R_5 - C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5 \right)}$$

9.1503 X-INVALID-ORDER-1503 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 C_6 R_1 R_2 R_6 s^2 + R_2 + s \left(C_1 R_1 R_2 + C_6 R_2 R_6\right)}{C_1 C_4 C_6 R_2 R_3 R_5 s^3 + C_6 R_5 s + s^2 \left(C_1 C_6 R_1 R_5 - C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5\right)}$$

9.1504 X-INVALID-ORDER-1504 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1 R_1 R_2 R_6 s + R_2 R_6}{C_1 C_4 C_6 R_2 R_3 R_5 R_6 s^3 + R_5 + s^2 \left(C_1 C_4 R_2 R_3 R_5 + C_1 C_6 R_1 R_5 R_6 - C_1 C_6 R_2 R_3 R_6 + C_1 C_6 R_2 R_5 R_6 + C_1 C_6 R_3 R_5 R_6\right) + s \left(C_1 R_1 R_5 - C_1 R_2 R_3 + C_1 R_2 R_5 + C_1 R_3 R_5 + C_6 R_5 R_6\right)}$$

9.1505 X-INVALID-ORDER-1505 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_4C_6R_2R_3R_6 - C_1C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_1C_6R_1R_6 + C_1C_6R_2R_6 + C_1C_6R_3R_6\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_6R_6\right) + 1}$$

9.1506 X-INVALID-ORDER-1506 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_6s^2 + C_5R_2R_6s}{C_1C_4C_5R_2R_3R_5s^3 + s^2\left(C_1C_4R_2R_3 + C_1C_5R_1R_5 - C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_3R_5\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_5R_5\right) + 1}$$

9.1507 X-INVALID-ORDER-1507 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2s + C_5R_2}{C_1C_4C_5C_6R_2R_3R_5s^3 + C_6 + s^2\left(C_1C_4C_6R_2R_3 + C_1C_5C_6R_1R_5 - C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_5C_6R_5\right)}$$

9.1508 X-INVALID-ORDER-1508 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_6s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_5C_6R_2R_6\right)}{C_1C_4C_5C_6R_2R_3R_5s^3 + C_6 + s^2\left(C_1C_4C_6R_2R_3 + C_1C_5C_6R_1R_5 - C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_5C_6R_5\right)}$$

9.1509 X-INVALID-ORDER-1509 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_6s^2 + C_5R_2R_6s}{C_1C_4C_5C_6R_2R_3R_5R_6s^4 + s^3\left(C_1C_4C_5R_2R_3R_5 + C_1C_4C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_5 + C_1C_5R_2R_3 + C_1C_5R_3R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5 + C_1C_$$

9.1510 X-INVALID-ORDER-1510 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_5s^2 + R_2 + s\left(C_1R_1R_2 + C_5R_2R_5\right)}{C_6R_5s + s^3\left(C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5\right)}$$

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9.1511 X-INVALID-ORDER-1511 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                  H(s) = \frac{C_1C_5C_6R_1R_2R_5R_6s^3 + R_2 + s^2\left(C_1C_5R_1R_2R_5 + C_1C_6R_1R_2R_6 + C_5C_6R_2R_5R_6\right) + s\left(C_1R_1R_2 + C_5R_2R_5 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5\right)}
9.1512 X-INVALID-ORDER-1512 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_1C_5R_1R_2R_5R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_5R_2R_5R_6\right)}{R_5 + s^3\left(C_1C_4C_6R_2R_3R_5R_6 - C_1C_5C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5 + C_1C_6R_1R_5R_6 - C_1C_6R_2R_3R_6 + C_1C_6R_2R_5R_6\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_1R_5R_6\right)}$

9.1513 X-INVALID-ORDER-1513 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_4R_1R_2R_4s^2 + R_2 + s\left(C_1R_1R_2 + C_4R_2R_4\right)}{C_6R_5s + s^3\left(C_1C_4C_6R_1R_4R_5 - C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_4C_6R_4R_5\right)}$

9.1514 X-INVALID-ORDER-1514 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_4C_6R_1R_2R_4R_6s^3 + R_2 + s^2\left(C_1C_4R_1R_2R_4 + C_1C_6R_1R_2R_6 + C_4C_6R_2R_4R_6\right) + s\left(C_1R_1R_2 + C_4R_2R_4 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_4C_6R_1R_4R_5 - C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_4C_6R_4R_5\right)}$

9.1515 X-INVALID-ORDER-1515 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_4R_1R_2R_4R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_4R_2R_4R_6\right)}{R_5 + s^3\left(C_1C_4C_6R_1R_4R_5R_6 - C_1C_4C_6R_2R_3R_4R_6 + C_1C_4C_6R_2R_3R_5R_6 + C_1C_4C_6R_2R_4R_5R_6 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_3R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_3R$

9.1516 X-INVALID-ORDER-1516 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_4C_5R_1R_2R_4R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_4C_5R_2R_4R_6\right)}{-C_1C_4C_5R_2R_3R_4s^3 + s^2\left(C_1C_4R_1R_4 + C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_4R_3R_4 - C_1C_5R_2R_3\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_4R_4\right) + 1}$

9.1517 X-INVALID-ORDER-1517 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_4C_5R_1R_2R_4s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_4C_5R_2R_4\right)}{-C_1C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_1C_4C_6R_1R_4 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_4C_6R_4\right)}$

9.1518 X-INVALID-ORDER-1518 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_4C_5C_6R_1R_2R_4R_6s^3 + C_5R_2 + s^2\left(C_1C_4C_5R_1R_2R_4 + C_1C_5C_6R_1R_2R_6 + C_4C_5C_6R_2R_4R_6\right) + s\left(C_1C_5R_1R_2 + C_4C_5R_2R_4 + C_5C_6R_2R_6\right)}{-C_7C_4C_5C_6R_2R_3R_4s^3 + C_6 + s^2\left(C_1C_4C_6R_1R_4 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_4C_6R_4\right)}$

9.1519 X-INVALID-ORDER-1519 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_4C_5R_1R_2R_4R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_4C_5R_2R_4R_6\right)}{-C_1C_4C_5C_6R_2R_3R_4R_6s^4 + s^3\left(-C_1C_4C_5R_2R_3R_4 + C_1C_4C_6R_2R_3R_6 + C_1C_4C_6R_2R_4R_6 + C_1C_4C_6R_4R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_4 + C_1C_4C_6R_4R_4 +$

9.1520 X-INVALID-ORDER-1520 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $\frac{C_{1}C_{4}C_{5}R_{1}R_{2}R_{4}R_{6}s^{3}+C_{5}R_{2}R_{6}s+s^{2}\left(C_{1}C_{5}R_{1}R_{2}R_{6}+C_{4}C_{5}R_{2}R_{4}R_{6}\right)}{s^{3}\left(C_{1}C_{4}C_{5}R_{1}R_{4}R_{5}-C_{1}C_{4}C_{5}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{5}R_{2}R_{3}R_{5}+C_{1}C_{4}C_{5}R_{2}R_{4}R_{5}+C_{1}C_{4}C_{5}R_{3}R_{4}R_{5}\right)+s^{2}\left(C_{1}C_{4}R_{1}R_{4}+C_{1}C_{4}R_{2}R_{4}+C_{1}C_{4}R_{3}R_{4}+C_{1}C_{5}R_{2}R_{5}+C_{1}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{4}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{5}+C_{1}C_{5}R_{4}R_{5}\right)+s\left(C_{1}R_{1}+C_{1}R_{2}+C_{1}$

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9.1521 X-INVALID-ORDER-1521 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5R_1R_2R_4s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_4C_5R_2R_4\right)}{C_6 + s^3\left(C_1C_4C_5C_6R_1R_4R_5 - C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_4R_4 + C_1C_4C
9.1522 X-INVALID-ORDER-1522 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5C_6R_1R_2R_4R_6s^3 + C_5R_2 + s^2\left(C_1C_4C_5R_1R_2R_4 + C_1C_5C_6R_1R_2R_6 + C_4C_5C_6R_2R_4R_6\right) + s\left(C_1C_5R_1R_2 + C_4C_5R_2R_4 + C_5C_6R_2R_4\right)}{C_6 + s^3\left(C_1C_4C_5C_6R_1R_4R_5 - C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5\right) + s^2\left(C_1C_4C_6R_1R_4 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_4C_5C_6R_2R_4 + C_1C_4C_5C_6R_2R_4 + C_1C_4C_5C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_
9.1523 X-INVALID-ORDER-1523 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{s^4 \left( C_1 C_4 C_5 C_6 R_1 R_4 R_5 R_6 - C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_6 + C_1 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_4 C_5 R_1 R_4 R_5 - C_1 C_4 C_5 R_2 R_3 R_5 + C_1 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_4 C_5 R_2 R_4 R_5 + C_1 C_4 C_5 R_5 R_5 + C_1 C_5
9.1524 X-INVALID-ORDER-1524 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                   H(s) = \frac{C_1C_4C_5R_1R_2R_4R_5R_6s^3 + R_2R_6 + s^2\left(C_1C_4R_1R_2R_4R_6 + C_1C_5R_1R_2R_5R_6 + C_4C_5R_2R_4R_5R_6\right) + s\left(C_1R_1R_2R_6 + C_4R_2R_4R_6 + C_5R_2R_5R_6\right)}{-C_1C_4C_5R_2R_3R_4R_5s^3 + R_5 + s^2\left(C_1C_4R_1R_4R_5 - C_1C_4R_2R_3R_4 + C_1C_4R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_4R_4R_5\right)}
9.1525 X-INVALID-ORDER-1525 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                       H(s) = \frac{C_1C_4C_5R_1R_2R_4R_5s^3 + R_2 + s^2\left(C_1C_4R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_1R_1R_2 + C_4R_2R_4 + C_5R_2R_5\right)}{-C_1C_4C_5C_6R_2R_3R_4R_5s^4 + C_6R_5s + s^3\left(C_1C_4C_6R_1R_4R_5 - C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 + C_1C_4C_6R
9.1526 X-INVALID-ORDER-1526 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5C_6R_1R_2R_4R_5R_6s^4 + R_2 + s^3\left(C_1C_4C_5R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_6 + C_4C_5C_6R_2R_4R_5 + C_1C_6R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_1C_6R_1R_2R_6 + C_4C_5R_2R_4R_5 + C_4C_6R_2R_4R_6 + C_5C_6R_2R_4R_6 + C_5C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_
9.1527 X-INVALID-ORDER-1527 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_4C_5R_1R_2R_4R_5R_6s^3 + R_2R_6 + s^2\left(C_1C_4R_1R_2R_4R_6 + C_1C_5R_1R_2R_5R_6 + C_4C_5R_2R_4R_5R_6\right) + s\left(C_1R_2R_2R_4R_5R_6 + C_1C_4C_6R_2R_3R_4R_5R_6 + C_1C_4C_6R_2R_4R_5R_6 + C_1C_4C_6R_4R_4R_5R_6 + C_1
9.1528 X-INVALID-ORDER-1528 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                   H(s) = \frac{C_1 R_1 R_2 R_4 s + R_2 R_4}{C_1 C_4 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 R_5 s + s^2 \left( C_1 C_6 R_1 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 \right)}
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$$H(s) = \frac{C_1 R_1 R_2 R_4 s + R_2 R_4}{C_1 C_4 C_6 R_2 R_3 R_4 R_5 s^3 + C_6 R_4 R_5 s + s^2 \left(C_1 C_6 R_1 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_3 R_4 R_5 \right)}$$

9.1529 X-INVALID-ORDER-1529 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_6R_1R_2R_4R_6s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_6R_2R_4R_6\right)}{C_1C_4C_6R_2R_3R_4R_5s^3 + C_6R_4R_5s + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}$$

9.1530 X-INVALID-ORDER-1530 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1 R_1 R_2 R_4 R_6 s + R_2 R_4 R_6}{C_1 C_4 C_6 R_2 R_3 R_4 R_5 R_6 s^3 + R_4 R_5 + s^2 \left(C_1 C_4 R_2 R_3 R_4 R_5 + C_1 C_6 R_2 R_3 R_4 R_6 + C_1 C_6 R_2 R_3 R_5 R_6 + C_1 C_6 R_2 R_4 R_5 R_6 \right) + s \left(C_1 R_1 R_4 R_5 - C_1 R_2 R_3 R_4 + C_1 R_2 R_3 R_5 + C_1 R_2 R_4 R_5$$

9.1531 X-INVALID-ORDER-1531 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_4C_6R_2R_3R_4R_6 - C_1C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_1C_6R_1R_4R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_6R_4R_6\right)}$ **9.1532** X-INVALID-ORDER-1532 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{C_1C_4C_5R_2R_3R_4R_5s^3 + R_4 + s^2\left(C_1C_4R_2R_3R_4 + C_1C_5R_1R_4R_5 - C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_5 + C_1C_5R_2R_4R_5\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_5R_4R_5\right)}$ **9.1533** X-INVALID-ORDER-1533 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ **9.1534** X-INVALID-ORDER-1534 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{C_1C_4C_5C_6R_2R_3R_4R_5s^3 + C_6R_4 + s^2\left(C_1C_4C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_5 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R$ **9.1535** X-INVALID-ORDER-1535 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{C_1C_4C_5C_6R_2R_3R_4R_5R_6s^4 + R_4 + s^3\left(C_1C_4C_5R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_5R_6 + C_1C_5C_6R_2R_4R_5R_6 + C_1C_5C_6R_4R_4R_5R_6 + C_1C_5C_6R_4R_4R_5R_5 + C_1C_5C_6R_4R_4R_5 + C_1C_5C_6R_4R_4R_5 + C_1C_5C_6R_4R_4R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_$ **9.1536** X-INVALID-ORDER-1536 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_5R_1R_2R_4R_5s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}$ **9.1537** X-INVALID-ORDER-1537 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_5C_6R_1R_2R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_1C_5R_1R_2R_4R_5 + C_1C_6R_1R_2R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}$ **9.1538** X-INVALID-ORDER-1538 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^3\left(C_1C_4C_6R_2R_3R_4R_5R_6 - C_1C_5C_6R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5R_6 + C_1C_6R_3R_4R_5R_6 + C_1C_6R_3R_4R_5 + C_1C_6R_3R_4R_5R_6 + C_1C_6R_5R_5R_6 + C_1C_6R_5R_5R_6$ **9.1539** X-INVALID-ORDER-1539 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$ $H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5\right)}$

466

 $H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$

9.1540 X-INVALID-ORDER-1540 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

9.1541 X-INVALID-ORDER-1541
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_6R_1R_2R_4R_6s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1542 X-INVALID-ORDER-1542 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1 C_3 C_5 R_1 R_2 R_4 R_6 s^2 + C_3 C_5 R_2 R_4 R_6 s}{C_1 R_2 + C_1 R_4 + C_3 R_4 + s \left(C_1 C_3 R_1 R_4 + C_1 C_3 R_2 R_4 - C_1 C_5 R_2 R_4 \right)}$$

9.1543 X-INVALID-ORDER-1543 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

9.1544 X-INVALID-ORDER-1544 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_6 s^2 + C_3 C_5 R_2 R_4 + s \left(C_1 C_3 C_5 R_1 R_2 R_4 + C_3 C_5 C_6 R_2 R_4 R_6\right)}{C_1 C_6 R_2 + C_1 C_6 R_4 + C_3 C_6 R_4 + s \left(C_1 C_3 C_6 R_1 R_4 + C_1 C_3 C_6 R_2 R_4 - C_1 C_5 C_6 R_2 R_4\right)}$$

9.1545 X-INVALID-ORDER-1545 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_3C_5C_6R_1R_4R_5R_6 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6 + C_1C_5C_6R_4R_5R_6 + C_1C_5C_6R_5R_5R_6 + C_1C_5C_6R_5R_5R_6 + C_1C_5C_6R_5R_5R_6 +$$

9.1546 X-INVALID-ORDER-1546 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5\right)}$$

9.1547 X-INVALID-ORDER-1547 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1548 X-INVALID-ORDER-1548 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1549 X-INVALID-ORDER-1549 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1 C_3 R_1 R_2 R_6 s + C_3 R_2 R_6}{-C_1 R_2 + C_1 R_5 + C_3 R_5 + s \left(C_1 C_3 R_1 R_5 + C_1 C_3 R_2 R_5 + C_1 C_4 R_2 R_5\right)}$$

9.1550 X-INVALID-ORDER-1550 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3R_1R_2s + C_3R_2}{s^2\left(C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.1551 X-INVALID-ORDER-1551
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 C_3 C_6 R_1 R_2 R_6 s^2 + C_3 R_2 + s \left(C_1 C_3 R_1 R_2 + C_3 C_6 R_2 R_6 \right)}{s^2 \left(C_1 C_3 C_6 R_1 R_5 + C_1 C_3 C_6 R_2 R_5 + C_1 C_4 C_6 R_2 R_5 \right) + s \left(-C_1 C_6 R_2 + C_1 C_6 R_5 + C_3 C_6 R_5 \right)}$$

9.1552 X-INVALID-ORDER-1552 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1 C_3 C_5 R_1 R_2 R_6 s^2 + C_3 C_5 R_2 R_6 s}{C_1 + C_3 + s \left(C_1 C_3 R_1 + C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2\right)}$$

9.1553 X-INVALID-ORDER-1553 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2\right)}$$

9.1554 X-INVALID-ORDER-1554 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 C_3 C_5 C_6 R_1 R_2 R_6 s^2 + C_3 C_5 R_2 + s \left(C_1 C_3 C_5 R_1 R_2 + C_3 C_5 C_6 R_2 R_6\right)}{C_1 C_6 + C_3 C_6 + s \left(C_1 C_3 C_6 R_1 + C_1 C_3 C_6 R_2 + C_1 C_4 C_6 R_2 - C_1 C_5 C_6 R_2\right)}$$

9.1555 X-INVALID-ORDER-1555 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_3C_5C_6R_1R_5R_6 + C_1C_3C_5C_6R_2R_5R_6 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_2R_5 + C_1C_3C_6R_2R_6 + C_1C_4C_5R_2R_6 + C_1C_5C_6R_2R_6 + C_1C_5C_6R_5R_6 + C_1C_$$

9.1556 X-INVALID-ORDER-1556 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1 C_3 C_5 R_1 R_2 R_5 R_6 s^2 + C_3 R_2 R_6 + s \left(C_1 C_3 R_1 R_2 R_6 + C_3 C_5 R_2 R_5 R_6\right)}{-C_1 R_2 + C_1 R_5 + C_3 R_5 + s \left(C_1 C_3 R_1 R_5 + C_1 C_3 R_2 R_5 + C_1 C_4 R_2 R_5 - C_1 C_5 R_2 R_5\right)}$$

9.1557 X-INVALID-ORDER-1557 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_5s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5\right)}{s^2\left(C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.1558 X-INVALID-ORDER-1558 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_5R_1R_2R_5 + C_1C_3C_6R_1R_2R_6 + C_3C_5C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^2\left(C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.1559 X-INVALID-ORDER-1559 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_4R_1R_2R_4s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4\right)}{s^3\left(C_1C_3C_4C_6R_1R_4R_5 + C_1C_3C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 - C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_3C_4C_6R_4R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

9.1560 X-INVALID-ORDER-1560 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_4C_6R_1R_2R_4R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_6R_1R_2R_6 + C_3C_4C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_3C_4C_6R_1R_4R_5 + C_1C_3C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 - C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_3C_4C_6R_4R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$$

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9.1561 X-INVALID-ORDER-1561 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_4R_1R_2R_4R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_3C_4C_6R_1R_4R_5R_6 + C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_1R_4R_5 + C_1C_3
9.1562 X-INVALID-ORDER-1562 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                  H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2\left(C_1C_3C_5R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right)}{C_1 + C_3 + s^2\left(C_1C_3C_4R_1R_4 + C_1C_3C_4R_2R_4 - C_1C_4C_5R_2R_4\right) + s\left(C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_2 + C_1C_4R_4 - C_1C_5R_2 + C_3C_4R_4\right)}
9.1563 X-INVALID-ORDER-1563 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                     H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2 + s^2\left(C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_3C_4C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_6\right)}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_1R_4 + C_1C_3C_4C_6R_2R_4 - C_1C_4C_5C_6R_2R_4\right) + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_3C_4C_6R_4\right)}
9.1564 X-INVALID-ORDER-1564 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2\left(C_1C_3C_5R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right)}{C_1 + C_3 + s^3\left(C_1C_3C_4R_2R_4R_6 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_6R_2R_6 + C_1C_4C_5R_2R_4 + C_1C_4C_6R_2R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R
9.1565 X-INVALID-ORDER-1565 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2\left(C_1C_3C_5R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right)}{C_1 + C_3 + s^3\left(C_1C_3C_4C_5R_1R_4R_5 + C_1C_3C_4C_5R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_5R_2R_5 - C_1C_4C_5R_2R_5 + C_1C_4C_5R_2R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_2 + C_1C_4R_4 - C_1C_5R_2 + C_1C_4R_5\right)}
9.1566 X-INVALID-ORDER-1566 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4\right)}{C_1C_6 + C_3C_6 + s^3\left(C_1C_3C_4C_5R_1R_4R_5 + C_1C_3C_4C_5R_2R_4R_5\right) + s^2\left(C_1C_3C_4C_6R_1R_4 + C_1C_3C_5C_6R_1R_5 + C_1C_3C_5C_6R_2R_5 - C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_4R_5 + C_3C_4C_5C_6R_4R_5\right) + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_3C_5C_6R_2R_5 - C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_4R_5 + C_3C_4C_5C_6R_4R_5\right) + s\left(C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_4C_5R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_4C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_4C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_4C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_
9.1567 X-INVALID-ORDER-1567 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2 + s^2\left(C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_3C_4C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_6\right)}{C_1C_6 + C_3C_6 + s^3\left(C_1C_3C_4C_5C_6R_1R_4R_5 + C_1C_3C_4C_5R_2R_4 + C_1C_3C_5C_6R_2R_4 + C_1C_3C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_4R_5 + C_3C_4C_5C_6R_4R_5 + C_3C_4C_5C_6R_4R_5
9.1568 X-INVALID-ORDER-1568 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1 + C_3 + s^4 \left( C_1 C_3 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_4 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_6 + C_1 C_3 C_5 C_6 R_2 R_4 R_6 + C_1 C_5 C_6 R_2 R_4 R_6 + C_1 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_5 C_6 R_2
9.1569 X-INVALID-ORDER-1569 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                   H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_2R_6 + s^2\left(C_1C_3C_4R_1R_2R_4R_6 + C_1C_3C_5R_1R_2R_5R_6 + C_3C_4C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_1R_4R_5 + C_1C_3C_4R_2R_4R_5 - C_1C_4C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_5 + C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 - C_1C_5R_2R_5 + C_3C_4R_4R_5\right)}
9.1570 X-INVALID-ORDER-1570 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                     H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_5R_1R_2R_5 + C_3C_4C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4 + C_3C_5R_2R_5\right)}{s^3\left(C_1C_3C_4C_6R_1R_4R_5 + C_1C_3C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 - C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_3C_4C_6R_4R_5\right) + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4 + C_3C_5R_2R_5\right)}
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9.1571 X-INVALID-ORDER-1571 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
```

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_2 + s^3\left(C_1C_3C_4C_5R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_5R_1R_2R_5 + C_1C_3C_6R_1R_2R_6 + C_3C_4C_5R_2R_4R_5 + C_3C_4C_6R_2R_4R_5 + C_3C_4C_6R_4R_5 + C_3C_$

9.1572 X-INVALID-ORDER-1572
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_2R_6 + s^2\left(C_1C_3C_4R_1R_2R_4R_6 + C_1C_3C_5R_1R_2R_5R_6 + C_3C_4C_5R_2R_4R_5R_6\right) + s\left(C_1C_3C_4R_1R_2R_4R_5 + C_1C_3C_4R_1R_2R_4R_5 + C_1C_3C_4R_1R_4R_5 + C_1C_3C_4R_1R_5 + C_1C_3C_4R_1R_5 + C_1C_3C_4R_1R_5 + C_1C_3C_4R_1R_5 + C_1C_3C_4R_1R_5 + C_1C_3$

9.1573 X-INVALID-ORDER-1573
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5\right)}$$

9.1574 X-INVALID-ORDER-1574
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1575 X-INVALID-ORDER-1575
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_6R_1R_2R_4R_6s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

9.1576 X-INVALID-ORDER-1576
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1 C_3 C_5 R_1 R_2 R_4 R_6 s^2 + C_3 C_5 R_2 R_4 R_6 s}{C_1 R_2 + C_1 R_4 + C_3 R_4 + s \left(C_1 C_3 R_1 R_4 + C_1 C_3 R_2 R_4 + C_1 C_4 R_2 R_4 - C_1 C_5 R_2 R_4 \right)}$$

9.1577 X-INVALID-ORDER-1577
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

9.1578 X-INVALID-ORDER-1578
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$$

9.1579 X-INVALID-ORDER-1579
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s$$

 $H(s) = \frac{10.3 \times 3.17.2 \times 4.100}{C_1 R_2 + C_1 R_4 + C_3 R_4 + s^3 \left(C_1 C_3 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_2 R_4 R_5 + C_1 C_3 C_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 + C_1 C_5 R_$

9.1580 X-INVALID-ORDER-1580
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5\right)}$$

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9.1581 X-INVALID-ORDER-1581 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                   H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.1582 X-INVALID-ORDER-1582 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                     H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.1583 X-INVALID-ORDER-1583 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)
                                                                                                                                                                H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_3R_1R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_3R_4R_5\right)}
9.1584 X-INVALID-ORDER-1584 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                           H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{s^2\left(C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_3R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.1585 X-INVALID-ORDER-1585 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                          H(s) = \frac{C_1C_3C_6R_1R_2R_4R_6s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_6R_2R_4R_6\right)}{s^2\left(C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.1586 X-INVALID-ORDER-1586 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{-C_1C_3C_5C_6R_2R_3R_4R_6s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(-C_1C_3C_5R_2R_3R_4 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_3R_3R_4 + C_1C_5R_2R_4 + C_1C_3R_2R_4 + C_1C_3R
9.1587 X-INVALID-ORDER-1587 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_3C_5C_6R_1R_4R_5R_6 - C_1C_3C_5C_6R_2R_3R_4R_6 + C_1C_3C_5C_6R_2R_4R_5R_6 + C_1C_3C_5C_6R_3R_4R_5R_6\right) + s^2\left(C_1C_3C_5R_1R_4R_5 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_4R_4R_5 + C_1C_3C_5R_4R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R
9.1588 X-INVALID-ORDER-1588 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                           H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{-C_1C_3C_5C_6R_2R_3R_4R_5s^3 + s^2\left(C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.1589 X-INVALID-ORDER-1589 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                          H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{-C_1C_3C_5C_6R_2R_3R_4R_5s^3 + s^2\left(C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_5\right)}
9.1590 X-INVALID-ORDER-1590 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $\frac{ \cup_1 \cup_3 \cup_5 \pi_1 \pi_2 \pi_4 \pi_5 \pi_6 s^- + \cup_3 \pi_2 \pi_4 \pi_6 + s (\cup_1 \cup_3 \pi_1 \pi_2 \pi_4 \pi_6 + v_3 \cup_5 \pi_2 \pi_4 \pi_5 \pi_6)}{ -C_1 C_3 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_6 R_4 R_5 R_6 + C_1 C_3 C_6 R_4 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5 R_6 + C_1 C_5 C_6$

 $C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)$

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H(s) = \frac{C_1C_3R_1R_2s + C_3R_2}{C_1C_3C_4C_6R_2R_3R_5s^3 + s^2\left(C_1C_3C_6R_1R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
9.1592 X-INVALID-ORDER-1592 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                           H(s) = \frac{C_1C_3C_6R_1R_2R_6s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_6R_2R_6\right)}{C_1C_3C_4C_6R_2R_3R_5s^3 + s^2\left(C_1C_3C_6R_1R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
9.1593 X-INVALID-ORDER-1593 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_6s + C_3R_2R_6}{C_1C_3C_4C_6R_2R_3R_5R_6s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_2R_3R_5 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 - C_1C_6R_2R_6 + C_1C_3C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_4R_2R_5 + C_1C_3R_3R_5 
9.1594 X-INVALID-ORDER-1594 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2, \ R_3 + \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_3C_4C_6R_2R_3R_6 - C_1C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_3C_4R_2R_3 - C_1C_3C_5R_2R_3 + C_1C_3C_6R_1R_6 + C_1C_3C_6R_2R_6 + C_1C_3C_6R_2R_6 + C_1C_3C_6R_2R_6 + C_1C_3C_6R_2R_6\right) + s\left(C_1C_3R_1 + C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 - C_1C_5R_2 + C_1C_6R_6 + C_3C_6R_6\right)}
9.1595 X-INVALID-ORDER-1595 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                    H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1C_3C_4C_5R_2R_3R_5s^3 + C_1 + C_3 + s^2\left(C_1C_3C_4R_2R_3 + C_1C_3C_5R_1R_5 - C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_2R_5 + C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_2 - C_1C_5R_2 + C_1C_5R_5 + C_3C_5R_5\right)}
9.1596 X-INVALID-ORDER-1596 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_3C_4C_5C_6R_2R_3R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 + C_1C_3C_5C_6R_2R_3 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_6R_2 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_1C_5C_6R_5 + C_3C_5C_6R_5 + C_
9.1597 X-INVALID-ORDER-1597 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6\right)}{C_1C_3C_4C_5C_6R_2R_3R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 + C_1C_3C_5C_6R_2R_3 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_6R_2 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_1C_5C_6R_5 + C_3C_5C_6R_3R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_3C_5C_6R_3R_5 + C_1C_4C_5C_6R_3 + C_1C_4C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 + C_1C_5C_6R_3 + C_1C_4C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R
9.1598 X-INVALID-ORDER-1598 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.1599 X-INVALID-ORDER-1599 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                              H(s) = \frac{C_1C_3C_5R_1R_2R_5s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5\right)}{s^3\left(C_1C_3C_4C_6R_2R_3R_5 - C_1C_3C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_3C_6R_1R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
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9.1591 X-INVALID-ORDER-1591 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

9.1600 X-INVALID-ORDER-1600 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_5R_1R_2R_5 + C_1C_3C_6R_1R_2R_6 + C_3C_5C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_3C_4C_6R_2R_3R_5 - C_1C_3C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_3C_6R_1R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}$

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9.1602 X-INVALID-ORDER-1602 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4R_1R_2R_4s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4\right)}{s^3\left(C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + S_3C_4C_6R_4R_5 
9.1603 X-INVALID-ORDER-1603 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_6R_1R_2R_4R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_6R_1R_2R_6 + C_3C_4C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_3C_4C_6R_1R_4R_5 - C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_3C_6R_1R_5 - C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_5 + C_1C_4C_6R_4R_5 + C_1C_
9.1604 X-INVALID-ORDER-1604 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_3C_4C_6R_1R_4R_5R_6 - C_1C_3C_4C_6R_2R_3R_4R_6 + C_1C_3C_4C_6R_2R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_6\right) + s^2\left(C_1C_3C_4R_1R_4R_5 - C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_5 
9.1605 X-INVALID-ORDER-1605 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                 H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2\left(C_1C_3C_5R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right)}{-C_1C_3C_4C_5R_2R_3R_4s^3 + C_1 + C_3 + s^2\left(C_1C_3C_4R_1R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_3R_4 - C_1C_3C_5R_2R_3 - C_1C_4C_5R_2R_4\right) + s\left(C_1C_3R_1 + C_1C_3R_2 + C_1C_3R_3 + C_1C_4R_4 - C_1C_5R_2 + C_3C_4R_4\right)}
9.1606 X-INVALID-ORDER-1606 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4\right)}{-C_1C_3C_4C_5C_6R_2R_3R_4s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_1R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_5C_6R_2R_3 - C_1C_4C_5C_6R_2R_4\right) + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_3C_4C_6R_4\right)}
9.1607 X-INVALID-ORDER-1607 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2 + s^2\left(C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_4\right) + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_4\right) + s\left(C_1C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_4 + C_3C_5C_6R_2R_4\right) + s\left(C_1C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_4 + C_3C_5C_6R_2R_4\right) + s\left(C_1C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_4 + C_3C_5C_6R_2R_4\right) + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_4\right) + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_3R_4\right) + s\left(C_1C_3C_4R_3R_4 + C_1C_3C_4C_6R_4 + C_1C_3C_4C_6R_4\right) + s\left(C_1C_3C_4R_4 + C_1C_3C_4R_4 + C_1C_3C_4C_6R_4\right) + s\left(C_1C_3C_4R_4 + C_1C_3C_4R_4\right) + s\left(C_1C_3C_4R_4\right) + s\left
9.1608 X-INVALID-ORDER-1608 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_3R_6 + C_1C_3C_4C_5R_2R_3R_4 + C_1C_3C_4C_5R_2R_3R_6 + C_1C_3C_4C_6R_2R_3R_6 + C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4C_6R_3R_4C_6R_5R_5R_5 + C_1C_3C_4C_6R_3R_4C_6R_5R_5R_5 + C_1C_3C
9.1609 X-INVALID-ORDER-1609 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2\left(C_1C_3C_5R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right)}{C_1 + C_3 + s^3\left(C_1C_3C_4C_5R_1R_4R_5 - C_1C_3C_4C_5R_2R_3R_4 + C_1C_3C_4C_5R_2R_4R_5 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_5R_1R_5 - C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_3R_5 + C_1C_3C_5R_5R_5 
9.1610 X-INVALID-ORDER-1610 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_1C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_2 + s(C_1C_3)
H(s) = \frac{C_1C_3C_4C_5R_1R_4R_5 - C_1C_3C_4C_5R_2R_3R_4 + C_1C_3C_4C_5R_2R_3R_4 + C_1C_3C_4C_5R_2R_3R_5 + C_1C_3C_4C_5R_2R_4R_5 + C_1C_3C_4C_5R_3R_4 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_4C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C_5R_5R_5 + C_1C_3C_5C
```

 $H(s) = \frac{C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_3C_4C_6R_2R_3R_5R_6 - C_1C_3C_5R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_5 + C_1C_3$

 $C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6\right)$

9.1601 X-INVALID-ORDER-1601 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

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9.1611 X-INVALID-ORDER-1611 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2 + s^2(C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_1C_3C_5C_6R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_1C_3C_5C_6R_1R_5C_6R_5
H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2 + s^2\left(C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_1C_3C_4C_5C_6R_1R_2R_4 + C_1C_3C_4C_5C_6R_2R_3R_4 + C_1C_3C_4C_5C_6R_2R_3R_5 + C_1C_3C_4C_5C_6R_2R_4R_5 + C_1C_3C_4C_5C_6R_2R_4R_5 + C_1C_3C_4C_5C_6R_2R_4R_5 + C_1C_3C_4C_5C_6R_2R_4R_5 + C_1C_3C_4C_5C_6R_2R_4 + C_1C_3C_4C_5C_6R_4 + C_1C_3C_5C_6R_4 + C_1C_3C_5C_6R_4 + C_1C_3C_5C_6R_4 + C_1C_3C_
9.1612 X-INVALID-ORDER-1612 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.1613 X-INVALID-ORDER-1613 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_2R_6 + s^2\left(C_1C_3C_4R_1R_2R_4R_6 + C_1C_3C_5R_1R_2R_5R_6 + C_3C_4C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6\right)}{-C_1C_3C_4C_5R_2R_3R_4R_5s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_1R_4R_5 - C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_4R_5 + C_
9.1614 X-INVALID-ORDER-1614 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_5R_1R_2R_5 + C_3C_4C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4 + C_3C_5R_2R_5\right)}{-C_1C_3C_4C_5R_2R_3R_4R_5s^4 + s^3\left(C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_
9.1615 X-INVALID-ORDER-1615 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_2 + s^3\left(C_1C_3C_4C_5R_1R_2R_4R_5 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_5C_6R_1R_2R_5R_6 + C_3C_4C_5R_2R_4R_5R_6\right) + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_5R_1R_2R_5 + C_1C_3C_6R_1R_2R_6 + C_3C_4C_5R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C_3C_4C_4R_4R_5 + C_1C
9.1616 X-INVALID-ORDER-1616 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6s^4 - C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(-C_1C_3C_4C_5R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_6 + C_1C_3C_4C_6R_2R_3R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_6 - C_1C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_6R_2R_4R_5R_6 - C_1C_3C_4C_6R_4R_4R_5R_6 - C_1C_3C_4C_5R_5R_4R_5R_5 - C_1C_3C_4C_5R_5R_5R_5R_5 - C_1C_3C_4C_5R_5R_5R_5R_5R_5R_5R_5R_5R_5R_5R_5R_5
9.1617 X-INVALID-ORDER-1617 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                   H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{C_1C_3C_4C_6R_2R_3R_4R_5s^3 + s^2\left(C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.1618 X-INVALID-ORDER-1618 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                   H(s) = \frac{C_1C_3C_6R_1R_2R_4R_6s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_6R_2R_4R_6\right)}{C_1C_3C_4C_6R_2R_3R_4R_5s^3 + s^2\left(C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
```

9.1620 X-INVALID-ORDER-1620 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1619 X-INVALID-ORDER-1619 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_3C_4R_2R_3R_4R_6 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_$

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9.1621 X-INVALID-ORDER-1621 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1C_3C_4C_5R_2R_3R_4R_5s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_3C_4R_2R_3R_4 + C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_
9.1622 X-INVALID-ORDER-1622 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4
H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_3C_4C_5C_6R_2R_3R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_
9.1623 X-INVALID-ORDER-1623 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_3C_4C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5
9.1624 X-INVALID-ORDER-1624 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6s^4 + C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_3C_4C_5R_2R_3R_4R_6 + C_1C_3C_5C_6R_1R_4R_5R_6 - C_1C_3C_5C_6R_2R_3R_4R_6 + C_1C_3C_5C_6R_2R_4R_5R_6 + C_1C_3C_5C_6R_2R_4R_5R_5 + C_1C_3C_5C_6R_2R_4R_5R_5 + C_1C_3C_5C_6R_2R_4R_5R_5 + C_1C_3C_5C_6R_2R_5R_5R_5R_5 + C_1C_3C_5C_6R_5R_5R_5R_5 + C_1C_3C_5C_6R_5R_5R_5R_5 + C_1C_3C_5C_6R_5R_5R_5R_5 + C_1C_3C_5C_6R_5R_5R_5R_5 + C_1C_3C_5C_6R_5R_5R_5R_5 + C_1C_3C_5C_6R_5R_5R_5R_5 + C_1C_5C_5C_5R_5R_5R_5R_5R_5 + C_1C_5C_5C_5R_5R_5R_5R_5 + C_1C_5C_5C_5R_5R_5R_5R_5 + C_1C_5C_5C_5R_5R_5R_5R_5 + C_1C_5C_5C_5R_5R_5R_5R_5 + C_1C_5C_5C_5R_
9.1625 X-INVALID-ORDER-1625 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
 H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{s^3\left(C_1C_3C_4C_6R_2R_3R_4R_5 - C_1C_3C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 + C_1C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 + C_1C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 + C_1C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5\right) + s\left(-C_1
9.1626 X-INVALID-ORDER-1626 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                         \frac{C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}R_{6}s^{3}+C_{3}R_{2}R_{4}+s^{2}\left(C_{1}C_{3}C_{5}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}R_{6}+C_{3}C_{5}C_{6}R_{2}R_{4}R_{5}R_{6}\right)+s\left(C_{1}C_{3}R_{1}R_{2}R_{4}+C_{3}C_{5}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{2}R_{4}R_{5}+C_{3}C_{6}R_{4}R_{5}+C_{3}C_{6}R_{4}R_{5}+C_{3}C_{6}R_{4}R_{5}+C_{3}C_{6}R_{4}R_{5}+C_{
9.1627 X-INVALID-ORDER-1627 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s(C_1C_3R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s(C_1C_3R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s(C_1C_3R_1R_2R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R
9.1628 X-INVALID-ORDER-1628 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                 H(s) = \frac{C_1C_3R_1R_2R_3R_4s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right)}
9.1629 X-INVALID-ORDER-1629 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                 H(s) = \frac{C_1C_3C_6R_1R_2R_3R_4R_6s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_6 + C_3C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5\right)}
9.1630 X-INVALID-ORDER-1630 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $\frac{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{6}s^{2} + R_{2}R_{4}R_{6} + s\left(C_{1}R_{1}R_{2}R_{4}R_{6} + C_{3}R_{2}R_{3}R_{4}R_{6}\right)}{R_{4}R_{5} + s^{3}\left(C_{1}C_{3}C_{6}R_{1}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s^{2}\left(C_{1}C_{3}R_{1}R_{3}R_{4}R_{5} + C_{1}C_{3}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{1}R_{4}R_{5}R_{6} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{2}R_{3}R_{4}R_{5}R_{6}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{2}R_{3}R_{4}R_{5}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{2}R_{3}R_{4}R_{5}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{2}R_{3}R_{4}R_{5}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C_{1}R_{4}R_{5}R_{6}\right) + s\left(C_{1}R_{1}R_{4}R_{5} - C$

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9.1631 X-INVALID-ORDER-1631 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                              H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{R_4 + s^2\left(C_1C_3R_1R_3R_4 + C_1C_3R_2R_3R_4 - C_1C_5R_2R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4\right)}
9.1632 X-INVALID-ORDER-1632 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                        H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_3C_6R_3R_4 + C_3C_6R_3R_4\right)}
9.1633 X-INVALID-ORDER-1633 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{R_4 + s^3\left(C_1C_3C_6R_1R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_3R_1R_3R_4 + C_1C_5R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_3R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4\right)}
9.1634 X-INVALID-ORDER-1634 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{R_4 + s^3\left(C_1C_3C_5R_1R_3R_4R_5 + C_1C_3C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 - C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_4 + C_1C_5R_3R_4R_5\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 
9.1635 X-INVALID-ORDER-1635 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4\right)}{C_6R_4 + s^3\left(C_1C_3C_5C_6R_1R_3R_4R_5 + C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_3C_6R_1R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_3R_4 + C_1
9.1636 X-INVALID-ORDER-1636 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^3\left(C_1C_3C_5C_6R_1R_3R_4R_5 + C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_3C_6R_1R_3R_4 + C_1C_5C_6R_1R_4R_5 - C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_2R_4R_5\right) + s\left(C_1C_3C_5R_1R_3R_4R_5 + C_1C_5C_6R_2R_3R_4R_5\right) + s\left(C_1C_3C_5R_1R_3R_4R_5 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_3R_4 + C_1C
9.1637 X-INVALID-ORDER-1637 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{R_4 + s^4 \left( C_1 C_3 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_5 C_6 R_2 R_4 R_5 R_6
9.1638 X-INVALID-ORDER-1638 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                      H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_2R_4R_6 + s^2\left(C_1C_3R_1R_2R_3R_4R_6 + C_1C_5R_1R_2R_4R_5R_6 + C_3C_5R_2R_3R_4R_5R_6\right) + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_3R_1R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5\right)}
9.1639 X-INVALID-ORDER-1639 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                              H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_4R_5 + C_3C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_3R_4R_5\right)}
```

 $\frac{C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}s^{4} + R_{2}R_{4} + s^{3}\left(C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{6}R_{$

9.1640 X-INVALID-ORDER-1640 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

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9.1641 X-INVALID-ORDER-1641 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_2R_4R_6 + s^2\left(C_1C_3R_1R_2R_3R_4R_6 + C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_5 + s^2\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6 + C_5R_2R_4R_5 + s^2\left(C_1C_3R_1R_3R_4R_5R_6 + C_1C_5R_2R_3R_4R_5 + c_1C_5R_3R_4R_5 + c_1C_5R_5R_5R_5 + c_1C_5R
9.1642 X-INVALID-ORDER-1642 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                         H(s) = \frac{C_1C_3R_1R_2R_3s^2 + R_2 + s\left(C_1R_1R_2 + C_3R_2R_3\right)}{C_6R_5s + s^3\left(C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_3C_6R_3R_5\right)}
9.1643 X-INVALID-ORDER-1643 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                         H(s) = \frac{C_1C_3C_6R_1R_2R_3R_6s^3 + R_2 + s^2\left(C_1C_3R_1R_2R_3 + C_1C_6R_1R_2R_6 + C_3C_6R_2R_3R_6\right) + s\left(C_1R_1R_2 + C_3R_2R_3 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_3C_6R_3R_5\right)}
9.1644 X-INVALID-ORDER-1644 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_3R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_3R_2R_3R_6\right)}{R_5 + s^3\left(C_1C_3C_6R_1R_3R_5R_6 + C_1C_3C_6R_2R_3R_5R_6 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_3R_5 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_3R_6 + C_1C_6R_3R_5R_6 + C_1C_6R_5R_5R_6 + C
9.1645 X-INVALID-ORDER-1645 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                    H(s) = \frac{C_1C_3C_5R_1R_2R_3R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6\right)}{s^2\left(C_1C_3R_1R_3 + C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_3R_3\right) + 1}
9.1646 X-INVALID-ORDER-1646 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                              H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_6s^3 + C_5R_2 + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_5C_6R_1R_2R_6 + C_3C_5C_6R_2R_3R_6\right) + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3 + C_5C_6R_2R_6\right)}{C_6 + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_2 + C_1C_4C_6R_2R_2 - C_1C_5C_6R_2R_2\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_2 + C_2C_6R_2\right)}
9.1647 X-INVALID-ORDER-1647 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                H(s) = \frac{C_1C_3C_5R_1R_2R_3R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6\right)}{s^3\left(C_1C_3C_6R_1R_3R_6 + C_1C_3C_6R_2R_3R_6 + C_1C_4C_6R_2R_3R_6 - C_1C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_1C_6R_2R_6 + C_1C_6R_3R_6 + C_3C_6R_3R_6\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_3R_3 + C_6R_6\right) + 1s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_3R_3 + C
9.1648 X-INVALID-ORDER-1648 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                        H(s) = \frac{C_1C_3C_5R_1R_2R_3R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6\right)}{s^3\left(C_1C_3C_5R_1R_3R_5 + C_1C_3C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_3R_2R_3 + C_1C_5R_1R_5 - C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_3R_5 + C_3C_5R_3R_5\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_3R_3 + C_5R_5\right) + 1}
9.1649 X-INVALID-ORDER-1649 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3\right)}{C_6 + s^3\left(C_1C_3C_5C_6R_1R_3R_5 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_3C_6R_1R_3 + C_1C_3C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_3R_5 + C_3C_5C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_3 + C_3C_6R_3 + C
```

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_6s^3 + C_5R_2 + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_5C_6R_1R_2R_6 + C_3C_5C_6R_2R_3R_6\right) + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3 + C_5C_6R_2R_3 + C_5C_6R_3R_3 + C_5$

9.1650 X-INVALID-ORDER-1650 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

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9.1651 X-INVALID-ORDER-1651 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{C_1 C_3 C_5 R_1 R_3 R_5 R_6}{s^4 \left(C_1 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_5 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 R_2 R_3 R_5 R_6 + C_1 C_3 C_5 R_1 R_3 R_5 + C_1 C_3 C_5 R_1 R_3 R_5 + C_1 C_3 C_6 R_1 R_3 R_6 + C_1 C_4 C_5 R_2 R_3 R_6 + C_1 C_5 C_6 R_2 R_5 R_6 + C_1 C_5 C_6 R_2 R_5 R_6 + C_1 C_5 C_6 R_2 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5 R_6 + C_1 C_5 C_6 R_5 R_5 R_5 R_$

9.1652 X-INVALID-ORDER-1652 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_5R_6s^3 + R_2R_6 + s^2\left(C_1C_3R_1R_2R_3R_6 + C_1C_5R_1R_2R_5R_6 + C_3C_5R_2R_3R_5R_6\right) + s\left(C_1R_1R_2R_6 + C_3R_2R_3R_6 + C_5R_2R_5R_6\right)}{R_5 + s^2\left(C_1C_3R_1R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_3R_3R_5\right)}$

9.1653 X-INVALID-ORDER-1653 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_5s^3 + R_2 + s^2\left(C_1C_3R_1R_2R_3 + C_1C_5R_1R_2R_5 + C_3C_5R_2R_3R_5\right) + s\left(C_1R_1R_2 + C_3R_2R_3 + C_5R_2R_5\right)}{C_6R_5s + s^3\left(C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_3C_6R_3R_5\right)}$

9.1654 X-INVALID-ORDER-1654 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_5R_6s^4 + R_2 + s^3\left(C_1C_3C_5R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_5C_6R_1R_2R_3R_6 + C_3C_5C_6R_2R_3R_5 + C_1C_5R_1R_2R_3 + C_1C_5R_1R_2R_5 + C_1C_6R_1R_2R_6 + C_3C_5R_2R_3R_5 + C_3C_6R_2R_3R_6 + C_5C_6R_2R_3R_6 + C_5C_6R_2R_3R_5 + C_3C_6R_2R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_$

9.1655 X-INVALID-ORDER-1655 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_5R_6s^3 + R_2R_6 + s^2\left(C_1C_3R_1R_2R_3R_6 + C_1C_5R_1R_2R_5R_6 + C_3C_5R_2R_3R_5R_6\right) + s\left(C_1R_1R_2R_6 + C_3R_2R_3R_6 + C_5R_2R_5R_6\right)}{R_5 + s^3\left(C_1C_3C_6R_1R_3R_5R_6 + C_1C_4C_6R_2R_3R_5R_6 + C_1C_5C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_3R_1R_3R_5 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_3R_5 + C_1C_6R_1R_5R_6 - C_1C_6R_2R_3R_6 + C_1C_6R_2R_3R_5R_6 + C_1C_6R_3R_5R_6\right) + s\left(C_1R_1R_2R_6 + C_3R_2R_3R_5 + C_1C_6R_2R_3R_5 + C_1$

9.1656 X-INVALID-ORDER-1656 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

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

9.1657 X-INVALID-ORDER-1657 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4R_1R_2R_3R_4s^3 + R_2 + s^2\left(C_1C_3R_1R_2R_3 + C_1C_4R_1R_2R_4 + C_3C_4R_2R_3R_4\right) + s\left(C_1R_1R_2 + C_3R_2R_3 + C_4R_2R_4\right)}{C_6R_5s + s^4\left(C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_4R_4 + C_1C_4C_6R_4R_4 + C_1C_4C_6R_4R_4 + C_1C_4C_6R_4R_4 + C_1C_4C_6R_4R_4 + C_1C_4C_6R_4R_4 + C_1C_$

9.1658 X-INVALID-ORDER-1658 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{6}s^{4}+R_{2}+s^{3}\left(C_{1}C_{3}C_{4}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{6}+C_{1}C_{4}C_{6}R_{1}R_{2}R_{4}R_{6}+C_{3}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{6}R_{1}R_{2$

9.1659 X-INVALID-ORDER-1659 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1660 X-INVALID-ORDER-1660 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_6s^4 + C_5R_2R_6s + s^3\left(C_1C_3C_5R_1R_2R_3R_6 + C_1C_4C_5R_1R_2R_4R_6 + C_3C_4C_5R_2R_3R_4R_6\right) + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6 + C_4C_5R_2R_4R_6\right)}{s^3\left(C_1C_3C_4R_1R_3R_4 + C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_2R_3R_4 + C_1C_4R_2R_4 + C_1C_4R_2R_4 + C_1C_4R_3R_4 - C_1C_5R_2R_3 + C_3C_4R_3R_4\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_3R_3 + C_4R_4\right) + 1}$

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9.1661 X-INVALID-ORDER-1661 Z(s) = \left(R_1 + \frac{1}{C_1s}, R_2, \frac{R_3}{C_3R_3+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)
C_1C_3C_4C_5R_1R_2R_3R_4s^2 + C_5R_2 + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_4C_5R_1R_2R_4 + C_3C_4C_5R_2R_3R_4\right) + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3 + C_4C_5R_2R_4\right)
C_1C_3C_4C_5R_1R_2R_3R_4s^2 + C_5R_2 + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_4C_5R_1R_2R_4 + C_3C_4C_5R_2R_3 + C_4C_5R_2R_3 + C_4C_5R_2R_3R_4 + C_4C_5R_2R_3 + C_4C_5R_2R_3R_4 + C_
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9.1664 X-INVALID-ORDER-1664 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $C(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_6s^4 + C_5R_2R_6s + s^3\left(C_1C_3C_5R_1R_2R_3R_6 + C_1C_4C_5R_1R_2R_4R_6 + C_3C_4C_5R_1R_2R_3R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_3R_5 + C_1C_4C_5R_1R_4R_5 - C_1C_4C_5R_1R_4R_5 + C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_5R_4R_5R_5 + C_1C_4C_5R_4R_5R_5 + C_1C_4C_5R_4R_5R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R$

9.1665 X-INVALID-ORDER-1665 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4s^3 + C_5R_2 + s^2\left(C_1C_3C_4C_5R_1R_3R_4R_5 + C_1C_3C_4C_5R_1R_3R_4 + C_1C_3C_4C_5R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_5C_6R_3R_4 + C_1C_4C_5C_6R_3R_$

9.1666 X-INVALID-ORDER-1666 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_2 + s^3\left(C_1C_3C_4C_5R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_6 + C_1C_4C_5C_6R_1R_2R_4R_6 + C_3C_4C_5C_6R_2R_3R_4 + C_1C_3C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_2R_3R_4 + C_1C_3C_$

9.1667 X-INVALID-ORDER-1667 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^5 \left(C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_4 C_5 R_5 R_5 R_6 + C_1 C_4 C_5 R_5$

9.1668 X-INVALID-ORDER-1668 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_5R_6s^4 + R_2R_6 + s^3\left(C_1C_3C_4R_1R_2R_3R_4R_6 + C_1C_3C_5R_1R_2R_3R_6 + C_1C_4C_5R_1R_2R_3R_4R_6 + C_1C_4R_1R_2R_3R_6 + C_1C_4R_1R_4R_5 + C_1C_4R_$

9.1669 X-INVALID-ORDER-1669 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_5s^4 + R_2 + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_5R_1R_2R_3R_5 + C_1C_4C_5R_1R_2R_4R_5 + C_3C_4C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_3R_1R_2R_3 + C_1C_4R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_3C_4R_2R_3R_4 + C_3C_5R_2R_3R_5 + C_4C_5R_2R_3R_4\right)}{C_6R_5s + s^4\left(C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_6R_1R_3R_4R_5 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_3R_4 + C_$

9.1670 X-INVALID-ORDER-1670 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_2 + s^4\left(C_1C_3C_4C_5R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_6 + C_1C_4C_5C_6R_1R_2R_4R_5R_6 + C_3C_4C_5C_6R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_5R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R$

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9.1671 X-INVALID-ORDER-1671 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_1C_3C_4C_5R_1R_2R_3R_4R_5R_6s^4 + R_2R_6 + s^3(C_1C_3C_4R_1R_2R_3R_4R_6 + C_1C_3C_4R_1R_2R_3R_4R_6 + C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_5C_5R_5 + C_1C_5C_5R_5 + C_1C_5C_5R_5 + C_1C_5R_5 + 
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_5R_6s^4 + R_2R_6 + s^3\left(C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_3R_4R_5 + C_1C_3C_
9.1672 X-INVALID-ORDER-1672 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                            H(s) = \frac{C_1C_3R_1R_2R_3R_4s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right)}
9.1673 X-INVALID-ORDER-1673 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                            H(s) = \frac{C_1C_3C_6R_1R_2R_3R_4R_6s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_6 + C_3C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_3R_4R_5\right)}
9.1674 X-INVALID-ORDER-1674 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_3R_4R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6\right)}{R_4R_5 + s^3\left(C_1C_3C_6R_1R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_4R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_6 + C_1C_6R_2R_3R_4R_5R_6 + C_1C_6R_3R_4R_5R_6 + C_1C_6R_5R_5R_5R_6 + C_1C_6R_5R_5R_5R_6 + C_1C_6R_5R_5R_5R_6 + C_1C_6R_5R_5R_5R_6 + C_1C_6R_5R_5R_5R_6 + C_1C_6R_5R_5R
9.1675 X-INVALID-ORDER-1675 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                   H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{R_4 + s^2\left(C_1C_3R_1R_3R_4 + C_1C_3R_2R_3R_4 + C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4\right)}
9.1676 X-INVALID-ORDER-1676 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4\right)}
9.1677 X-INVALID-ORDER-1677 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{R_4 + s^3\left(C_1C_3C_6R_1R_3R_4R_6 + C_1C_3C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_3R_1R_3R_4 + C_1C_4R_2R_3R_4 + C_1C_5R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_3R_4R_5 + C_1C_6R_3R_4R_5
9.1678 X-INVALID-ORDER-1678 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{R_4 + s^3\left(C_1C_3C_5R_1R_3R_4R_5 + C_1C_3C_5R_2R_3R_4R_5 + C_1C_5R_2R_3R_4 + C_1C_5R_3R_4R_5 + C_1C_5R_5R
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9.1679 X-INVALID-ORDER-1679 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4\right)}{C_6R_4 + s^3\left(C_1C_3C_5C_6R_1R_3R_4F_5 + C_1C_3C_5C_6R_2R_3R_4F_5 + C_1C_5C_6R_2R_3R_4F_5 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R$

9.1680 X-INVALID-ORDER-1680 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4 + C_5C_6R_2R_3R_4 +$

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9.1681 X-INVALID-ORDER-1681 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{1}{R_4 + s^4 \left(C_1 C_3 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_3 C_5 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_3 R_4$

9.1682 X-INVALID-ORDER-1682 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_2R_4R_6 + s^2\left(C_1C_3R_1R_2R_3R_4R_6 + C_1C_5R_1R_2R_4R_5R_6 + C_3C_5R_2R_3R_4R_5R_6\right) + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_3R_1R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_1R_3R_4R_5\right)}$

9.1683 X-INVALID-ORDER-1683 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_4R_5 + C_3C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_5 + C_1C_6R_4R_4R_5 + C_1C_6R_4R$

9.1684 X-INVALID-ORDER-1684 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_2R_4 + s^3\left(C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_1C_5C_6R_1R_2R_3R_4R_5 + C_1C_5C_6R_1R_2R_4R_5R_6 + C_3C_5C_6R_2R_3R_4R_5 + C_1C_5R_1R_2R_4R_5 + C_1C_6R_1R_2R_4R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_3R_4R_5 + C_1C_$

9.1685 X-INVALID-ORDER-1685 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6 + s^2\left(C_1C_3R_1R_2R_3R_4R_6 + C_1C_5R_1R_2R_4R_5R_6 + C_3C_5R_2R_3R_4R_5R_6\right) + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_5R_6\right) + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_5 + C_3R_3R_4R_5 + C_3R$

9.1686 X-INVALID-ORDER-1686 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_1 R_1 R_4 R_6 s + R_4 R_6}{s^2 \left(C_1 C_2 R_1 R_4 R_5 + C_1 C_2 R_3 R_4 R_5\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.1687 X-INVALID-ORDER-1687 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 R_1 R_4 s + R_4}{s^3 \left(C_1 C_2 C_6 R_1 R_4 R_5 + C_1 C_2 C_6 R_3 R_4 R_5 \right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5 + C_2 C_6 R_4 R_5 \right)}$$

9.1688 X-INVALID-ORDER-1688 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_6R_1R_4R_6s^2 + R_4 + s\left(C_1R_1R_4 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.1689 X-INVALID-ORDER-1689 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1 R_1 R_4 R_6 s + R_4 R_6}{s^3 \left(C_1 C_2 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_6 R_3 R_4 R_5 R_6\right) + s^2 \left(C_1 C_2 R_1 R_4 R_5 + C_1 C_2 R_3 R_4 R_5 - C_1 C_6 R_3 R_4 R_6 + C_1 C_6 R_3 R_5 R_6 + C_1 C_6 R_4 R_5 R_6\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.1690 X-INVALID-ORDER-1690 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4\right)}$$

9.1691 X-INVALID-ORDER-1691
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5R_1R_4s + C_5R_4}{s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1692 X-INVALID-ORDER-1692
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5C_6R_1R_4R_6s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_5C_6R_4R_6\right)}{s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1693 X-INVALID-ORDER-1693
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5R_1R_4s + C_5R_4}{s^3\left(C_1C_2C_5C_6R_1R_4R_5 + C_1C_2C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_4R_5 + C_2C_5C_6R_4R_5\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1694 X-INVALID-ORDER-1694
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5C_6R_1R_4R_6s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_5C_6R_4R_6\right)}{s^3\left(C_1C_2C_5C_6R_1R_4R_5 + C_1C_2C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_5C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_4R_5\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1695 X-INVALID-ORDER-1695
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_5C_6R_1R_4R_5R_6 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_2C_5R_3R_4R_5 + C_1C_2C_6R_3R_4R_6 + C_1C_5C_6R_3R_4R_6 + C_1C_5C_6R_4R_5R_6 + C_1C_5C_6R_5R_5R_6 + C_1C_5C_6R_5R_5R_6 + C_1C_5C_6R_$$

9.1696 X-INVALID-ORDER-1696
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_5R_1R_4R_5R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_5R_4R_5R_6\right)}{s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 - C_1C_5R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$$

9.1697 X-INVALID-ORDER-1697
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5R_1R_4R_5s^2 + R_4 + s\left(C_1R_1R_4 + C_5R_4R_5\right)}{s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.1698 X-INVALID-ORDER-1698
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5C_6R_1R_4R_5R_6s^3 + R_4 + s^2\left(C_1C_5R_1R_4R_5 + C_1C_6R_1R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_1R_1R_4 + C_5R_4R_5 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.1699 X-INVALID-ORDER-1699
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_1C_5R_1R_4R_5R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_6R_1R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6 - C_1C_5C_6R_3R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 - C_1C_5R_3R_4R_5 - C_1C_6R_3R_4R_5R_6 + C_1C_6R_4R_5R_6\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$$

9.1700 X-INVALID-ORDER-1700
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_1 R_1 R_6 s + R_6}{s^2 \left(C_1 C_2 R_1 R_5 + C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 \right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5 \right)}$$

9.1701 X-INVALID-ORDER-1701
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 R_1 s + 1}{s^3 \left(C_1 C_2 C_6 R_1 R_5 + C_1 C_2 C_6 R_3 R_5 + C_1 C_4 C_6 R_3 R_5 \right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5 \right)}$$

9.1702 X-INVALID-ORDER-1702
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 C_6 R_1 R_6 s^2 + s \left(C_1 R_1 + C_6 R_6\right) + 1}{s^3 \left(C_1 C_2 C_6 R_1 R_5 + C_1 C_2 C_6 R_3 R_5 + C_1 C_4 C_6 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_3 + C_1 C_6 R_5 + C_2 C_6 R_5\right)}$$

9.1703 X-INVALID-ORDER-1703
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_1 R_1 R_6 s + R_6}{s^3 \left(C_1 C_2 C_6 R_1 R_5 R_6 + C_1 C_2 C_6 R_3 R_5 R_6 + C_1 C_4 C_6 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 R_1 R_5 + C_1 C_2 R_3 R_5 + C_1 C_4 R_3 R_5 - C_1 C_6 R_3 R_6 + C_1 C_6 R_5 R_6 + C_2 C_6 R_5 R_6\right) + s \left(-C_1 R_3 + C_1 R_5 + C_2 R_5\right)}$$

9.1704 X-INVALID-ORDER-1704
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1 C_5 R_1 R_6 s + C_5 R_6}{C_1 + C_2 + s \left(C_1 C_2 R_1 + C_1 C_2 R_3 + C_1 C_4 R_3 - C_1 C_5 R_3 \right)}$$

9.1705 X-INVALID-ORDER-1705
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 C_5 R_1 s + C_5}{s^2 \left(C_1 C_2 C_6 R_1 + C_1 C_2 C_6 R_3 + C_1 C_4 C_6 R_3 - C_1 C_5 C_6 R_3 \right) + s \left(C_1 C_6 + C_2 C_6 \right)}$$

9.1706 X-INVALID-ORDER-1706
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5C_6R_1R_6s^2 + C_5 + s\left(C_1C_5R_1 + C_5C_6R_6\right)}{s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.1707 X-INVALID-ORDER-1707
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5R_1s + C_5}{s^3\left(C_1C_2C_5C_6R_1R_5 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.1708 X-INVALID-ORDER-1708
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5C_6R_1R_6s^2 + C_5 + s\left(C_1C_5R_1 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_5C_6R_1R_5 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5 + C_2C_5C_6R_5\right) + s\left(C_1C_6 + C_2C_6\right)}$$

9.1709 X-INVALID-ORDER-1709
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_1C_5R_1R_6s + C_5R_6}{C_1 + C_2 + s^3\left(C_1C_2C_5C_6R_1R_5R_6 + C_1C_2C_5C_6R_3R_5R_6 + C_1C_4C_5R_3R_5 + C_1C_2C_5R_3R_5 + C_1C_2C_6R_3R_6 + C_1C_4C_6R_3R_6 + C_1C_5C_6R_3R_6 + C_1C_5C_6R_5R_6 + C_$$

9.1710 X-INVALID-ORDER-1710
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_5R_1R_5R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_5R_5R_6\right)}{s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$$

9.1711 X-INVALID-ORDER-1711 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_5R_1R_5s^2 + s\left(C_1R_1 + C_5R_5\right) + 1}{s^3\left(C_1C_2C_6R_1R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1712** X-INVALID-ORDER-1712 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_5C_6R_1R_5R_6s^3 + s^2\left(C_1C_5R_1R_5 + C_1C_6R_1R_6 + C_5C_6R_5R_6\right) + s\left(C_1R_1 + C_5R_5 + C_6R_6\right) + 1}{s^3\left(C_1C_2C_6R_1R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1713** X-INVALID-ORDER-1713 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_5R_1R_5R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_6R_1R_5R_6 + C_1C_2C_6R_3R_5R_6 + C_1C_4C_6R_3R_5R_6 - C_1C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_6 + C_1C_6R_5R_6 + C_2C_6R_5R_6\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$ **9.1714** X-INVALID-ORDER-1714 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$ $H(s) = \frac{C_1C_4R_1R_4R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_4R_4R_6\right)}{s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 - C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_4R_5 + C_2C_4R_4R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$ **9.1715** X-INVALID-ORDER-1715 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_4R_1R_4s^2 + s\left(C_1R_1 + C_4R_4\right) + 1}{s^4\left(C_1C_2C_4C_6R_1R_4R_5 + C_1C_2C_4C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_5 + C_1C_2C_6R_3R_5 - C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_4R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1716** X-INVALID-ORDER-1716 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_4C_6R_1R_4R_6s^3 + s^2\left(C_1C_4R_1R_4 + C_1C_6R_1R_6 + C_4C_6R_4R_6\right) + s\left(C_1R_1 + C_4R_4 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_4C_6R_1R_4R_5 + C_1C_2C_4C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_5 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_4R_5 + C_2C_4C_6R_4R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$ **9.1717** X-INVALID-ORDER-1717 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_4R_1R_4R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_4R_4R_6\right)}{s^4\left(C_1C_2C_4C_6R_1R_4R_5R_6 + C_1C_2C_4C_6R_3R_4R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_2C_6R_1R_5R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_5R_6 + C_1C_4C_6R_4R_5R_6 + C_2C_4C_6R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_2C_6R_3R_5R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_4R_5R_6 + C_1C_4C_6R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_4R_5R_6 + C_1C_4C_6R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_4R_5R_6 + C_1C_4C_6R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6\right) + s^3\left(C_1C_4C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6\right) + s^3\left(C_1C_4C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6\right) + s^3\left(C_1C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6\right) + s^3\left(C_1C_4R_3R_4R_5 + C_1C_4C_6R_3R_4R_6\right) + s^3\left(C_1C_4R_4R_5R_6\right) + s^3\left(C_$

9.1718 X-INVALID-ORDER-1718 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_4C_5R_1R_4s^2 + C_5 + s\left(C_1C_5R_1 + C_4C_5R_4\right)}{s^3\left(C_1C_2C_4C_6R_1R_4 + C_1C_2C_4C_6R_3R_4 - C_1C_4C_5C_6R_3R_4\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_1C_6 + C_2C_6\right)}$

9.1719 X-INVALID-ORDER-1719 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_4C_5C_6R_1R_4R_6s^3 + C_5 + s^2\left(C_1C_4C_5R_1R_4 + C_1C_5C_6R_1R_6 + C_4C_5C_6R_4R_6\right) + s\left(C_1C_5R_1 + C_4C_5R_4 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_4C_6R_1R_4 + C_1C_2C_4C_6R_3R_4 - C_1C_4C_5C_6R_3R_4\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_4 - C_1C_5C_6R_3 + C_2C_4C_6R_4\right) + s\left(C_1C_6 + C_2C_6\right)}$

9.1720 X-INVALID-ORDER-1720 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_4C_5R_1R_4R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_4C_6R_1R_4R_6 + C_1C_2C_4C_6R_3R_4R_6 - C_1C_4C_5C_6R_3R_4R_6\right) + s^2\left(C_1C_2C_4R_1R_4 + C_1C_2C_4R_3R_4 + C_1C_2C_6R_3R_6 + C_1C_4C_6R_3R_6 + C_1C_4C_6R_4R_6 +$

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9.1721 X-INVALID-ORDER-1721 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_4C_5R_1R_4R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_4C_5R_1R_4R_5 + C_1C_2C_4C_5R_3R_4 + C_1C_2C_4R_3R_4 + C_1C_2C_5R_1R_5 + C_1C_4C_5R_3R_5 + C_1C_4C_5R_3R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 + C_1C_5R_3R_5 + C_1C_4C_5R_3R_5 + C_1C_4C_5R_4R_5\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_4R_3 + C_1
9.1722 X-INVALID-ORDER-1722 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5R_1R_4s^2 + C_5 + s\left(C_1C_5R_1 + C_4C_5R_4\right)}{s^4\left(C_1C_2C_4C_5C_6R_1R_4R_5 + C_1C_2C_4C_5R_3R_4R_5\right) + s^3\left(C_1C_2C_4C_6R_1R_4 + C_1C_2C_5C_6R_1R_5 + C_1C_2C_5C_6R_3R_5 - C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_2C_4C_6R_1R_4 + C_1C_2C_4C_6R_3R_4 + C_1C_2C_5C_6R_3R_5 - C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5 + C_1C_5C_6R_5 + C_1C_5C_6R_5 + C_1C_5C_6R_5 + C_1C_5C_
9.1723 X-INVALID-ORDER-1723 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5C_6R_1R_4R_6s^3 + C_5 + s^2\left(C_1C_4C_5R_1R_4 + C_1C_5C_6R_1R_6 + C_4C_5C_6R_4R_6\right) + s\left(C_1C_5R_1 + C_4C_5R_4 + C_5C_6R_6\right)}{s^4\left(C_1C_2C_4C_5C_6R_1R_4 + C_1C_2C_4C_6R_3R_4 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_2C_4C_6R_1R_4 + C_1C_2C_4C_6R_3R_4 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_2C_4C_6R_3R_4 + C_1C_2C_4C_6R_3R_4 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_2C_4C_6R_3R_4 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_4C_5C_6R_3R_4 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_5\right) + s^2\left(C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_5\right) + s^2\left(C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_5\right) + s^2\left(C_1C_4C_5C_6R_5R_5\right) + s^2\left(C_1C_4C_5C_6R_5R_5\right) + s^2\left(C_1C_4C_5C_6R_5R_5\right) + s^2\left(C_1C_4C_5C_6R_5\right) 
9.1724 X-INVALID-ORDER-1724 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1 + C_2 + s^4 \left( C_1 C_2 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_3 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_4 C_5 R_1 R
9.1725 X-INVALID-ORDER-1725 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                  H(s) = \frac{C_1C_4C_5R_1R_4R_5R_6s^3 + R_6 + s^2\left(C_1C_4R_1R_4R_6 + C_1C_5R_1R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1R_1R_6 + C_4R_4R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 - C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_4R_5 - C_1C_5R_3R_5 + C_2C_4R_4R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}
9.1726 X-INVALID-ORDER-1726 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                  H(s) = \frac{C_1C_4C_5R_1R_4R_5s^3 + s^2\left(C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_4C_5R_4R_5\right) + s\left(C_1R_1 + C_4R_4 + C_5R_5\right) + 1}{s^4\left(C_1C_2C_4C_6R_1R_4R_5 + C_1C_2C_4C_6R_3R_4R_5 - C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 +
9.1727 X-INVALID-ORDER-1727 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
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9.1727 X-INVALID-ORDER-1727
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 C_4 C_5 C_6 R_1 R_4 R_5 R_6 s^4 + s^3 \left(C_1 C_4 C_5 R_1 R_4 R_5 + C_1 C_4 C_6 R_1 R_4 R_6 + C_1 C_5 C_6 R_1 R_5 R_6 + C_4 C_5 C_6 R_4 R_5 R_6\right) + s^2 \left(C_1 C_4 R_1 R_4 + C_1 C_5 R_1 R_5 + C_1 C_6 R_4 R_5 + C_4 C_6 R_4 R_6 + C_5 C_6 R_5 R_6\right) + s \left(C_1 R_1 + C_4 R_4 + C_5 R_5 + C_6 R_6\right) + 1}{s^4 \left(C_1 C_2 C_4 C_6 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_3 R_4 R_5 - C_1 C_4 C_5 R_3 R_4 R_5\right) + s^3 \left(C_1 C_2 C_6 R_1 R_5 + C_1 C_4 C_6 R_3 R_5 + C_1 C_4 C_6 R_5 R_5 + C_1 C_4 C_6 R_5 + C_1 C_4 C_6 R_5 R_5 + C_1 C_4$$

9.1728 X-INVALID-ORDER-1728
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_1C_4C_5R_1R_4R_5R_6s^5 + R_6 + s^2\left(C_1C_4R_1R_4R_6 + C_1C_5R_1R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1R_1R_6\right)}{s^4\left(C_1C_2C_4C_6R_1R_4R_5R_6 + C_1C_2C_4C_6R_3R_4R_5R_6 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_6R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_$

9.1729 X-INVALID-ORDER-1729
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$$

$$H(s) = \frac{C_1 R_1 R_4 R_6 s + R_4 R_6}{s^2 \left(C_1 C_2 R_1 R_4 R_5 + C_1 C_2 R_3 R_4 R_5 + C_1 C_4 R_3 R_4 R_5\right) + s \left(-C_1 R_3 R_4 + C_1 R_3 R_5 + C_1 R_4 R_5 + C_2 R_4 R_5\right)}$$

9.1730 X-INVALID-ORDER-1730
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1R_1R_4s + R_4}{s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

$$\textbf{9.1731} \quad \textbf{X-INVALID-ORDER-1731} \ \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ R_3, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 C_6 R_1 R_4 R_6 s^2 + R_4 + s \left(C_1 R_1 R_4 + C_6 R_4 R_6\right)}{s^3 \left(C_1 C_2 C_6 R_1 R_4 R_5 + C_1 C_2 C_6 R_3 R_4 R_5 + C_1 C_4 C_6 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_3 R_4 + C_1 C_6 R_3 R_5 + C_1 C_6 R_4 R_5\right) }$$

9.1732 X-INVALID-ORDER-1732 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1733 X-INVALID-ORDER-1733 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4\right)}$$

9.1734 X-INVALID-ORDER-1734 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_4s + C_5R_4}{s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1735 X-INVALID-ORDER-1735 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_4R_6s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_5C_6R_4R_6\right)}{s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1736 X-INVALID-ORDER-1736 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_4s + C_5R_4}{s^3\left(C_1C_2C_5C_6R_1R_4R_5 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_4R_5\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$$

9.1737 X-INVALID-ORDER-1737 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_4R_6s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_5C_6R_4R_6\right)}{s^3\left(C_1C_2C_5C_6R_1R_4R_5 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_4C_5C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_4R_5 + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)\right)}$$

9.1738 X-INVALID-ORDER-1738 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_4R_6s + C_5R_4R_6}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_5C_6R_1R_4R_5R_6 + C_1C_2C_5C_6R_3R_4R_5R_6 + C_1C_2C_5R_3R_4R_5 + C_1C_2C_5R_3R_4R_5 + C_1C_2C_6R_3R_4R_6 + C_1C_4C_5R_3R_4R_6 + C_1C_4C_5R_3R_4R_6 + C_1C_4C_5R_3R_4R_6 + C_1C_5C_6R_3R_4R_6 + C_1C_5C_6R_5R_4R_6 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5R_5 + C_$$

9.1739 X-INVALID-ORDER-1739 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_4R_5R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_5R_4R_5R_6\right)}{s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$$

9.1740 X-INVALID-ORDER-1740 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_4R_5s^2 + R_4 + s\left(C_1R_1R_4 + C_5R_4R_5\right)}{s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$$

9.1741 X-INVALID-ORDER-1741 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_5C_6R_1R_4R_5R_6s^3 + R_4 + s^2\left(C_1C_5R_1R_4R_5 + C_1C_6R_1R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_1R_1R_4 + C_5R_4R_5 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1742 X-INVALID-ORDER-1742 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_5R_1R_4R_5R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_6R_1R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6 + C_1C_4C_6R_3R_4R_5R_6 - C_1C_5C_6R_3R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_4R_5 + C_1C_4R_3R_4R_5 + C_1C_4R_3R_4R_5 - C_1C_6R_3R_4R_5 + C_1C_6R_3R_5R_6 + C_1C_6R_4R_5R_6 + C_2C_6R_4R_5R_6\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_3R_4R_5 - C_1C_5R_3R_4R_5 - C_1C_6R_3R_4R_5 + C_1C_6R_3R_5R_6 + C_1C_6R_4R_5R_6\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_3R_4R_5 - C_1C_5R_5R_5 - C_1C_5R_5$

9.1743 X-INVALID-ORDER-1743 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3R_1R_4s + C_3R_4}{C_1C_2C_3C_6R_1R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$

9.1744 X-INVALID-ORDER-1744 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_6R_1R_4R_6s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$

9.1745 X-INVALID-ORDER-1745 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3R_1R_4R_6s + C_3R_4R_6}{C_1C_2C_3C_6R_1R_4R_5R_6s^3 - C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_6R_4R_5R_6 + C_1C_3C_6R_4R_5R_6 + C_2C_3C_6R_4R_5R_6\right) + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_6R_4R_6 + C_1C_6R_5R_6 + C_2C_3R_4R_5\right)}$

9.1746 X-INVALID-ORDER-1746 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3C_6R_1R_4R_6s^3 + C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 - C_1C_5C_6R_4R_6 + C_2C_3C_6R_4R_6\right) + s\left(C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4\right)}$

9.1747 X-INVALID-ORDER-1747 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3C_5R_1R_4R_5s^3 + C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_2C_3C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}$

9.1748 X-INVALID-ORDER-1748 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4s + C_3C_5R_4}{C_1C_2C_3C_5C_6R_1R_4R_5s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}$

9.1749 X-INVALID-ORDER-1749 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_2C_3C_5C_6R_1R_4R_5s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}$

9.1750 X-INVALID-ORDER-1750 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s$

9.1751 X-INVALID-ORDER-1751
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_4R_5s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5\right)}{C_1C_2C_3C_6R_1R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.1752 X-INVALID-ORDER-1752
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5C_6R_1R_4R_5R_6s^3 + C_3R_4 + s^2\left(C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_6 + C_3C_5C_6R_4R_5R_6\right) + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

9.1753 X-INVALID-ORDER-1753
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)}{C_1C_2C_3C_6R_1R_4R_5R_6s^3 - C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_6R_4R_5R_6 + C_1C_5C_6R_4R_5R_6 + C_2C_3C_6R_4R_5R_6\right) + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 - C_1C_6R_4R_6 + C_2C_3R_4R_5\right)}$$

9.1754 X-INVALID-ORDER-1754
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 C_3 R_1 s + C_3}{C_1 C_2 C_3 C_6 R_1 R_5 s^3 - C_1 C_6 s + s^2 \left(C_1 C_2 C_6 R_5 + C_1 C_3 C_6 R_5 + C_1 C_4 C_6 R_5 + C_2 C_3 C_6 R_5 \right)}$$

9.1755 X-INVALID-ORDER-1755
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_6R_1R_6s^2 + C_3 + s\left(C_1C_3R_1 + C_3C_6R_6\right)}{C_1C_2C_3C_6R_1R_5s^3 - C_1C_6s + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$$

9.1756 X-INVALID-ORDER-1756
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{C_1C_3R_1R_6s + C_3R_6}{C_1C_2C_3C_6R_1R_5R_6s^3 - C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_6R_5R_6 + C_1C_3C_6R_5R_6 + C_1C_4C_6R_5R_6 + C_2C_3C_6R_5R_6\right) + s\left(C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_6R_6 + C_2C_3R_5\right)}$$

9.1757 X-INVALID-ORDER-1757 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1 C_3 C_5 R_1 R_6 s + C_3 C_5 R_6}{C_1 C_2 C_3 R_1 s + C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3}$$

9.1758 X-INVALID-ORDER-1758 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1s + C_3C_5}{C_1C_2C_3C_6R_1s^2 + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.1759 X-INVALID-ORDER-1759 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1 C_3 C_5 C_6 R_1 R_6 s^2 + C_3 C_5 + s \left(C_1 C_3 C_5 R_1 + C_3 C_5 C_6 R_6\right)}{C_1 C_2 C_3 C_6 R_1 s^2 + s \left(C_1 C_2 C_6 + C_1 C_3 C_6 + C_1 C_4 C_6 - C_1 C_5 C_6 + C_2 C_3 C_6\right)}$$

9.1760 X-INVALID-ORDER-1760 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1s + C_3C_5}{C_1C_2C_3C_5C_6R_1R_5s^3 + s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_2C_3C_5C_6R_5\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$$

9.1761 X-INVALID-ORDER-1761 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5C_6R_1R_6s^2 + C_3C_5 + s\left(C_1C_3C_5R_1 + C_3C_5C_6R_6\right)}{C_1C_2C_3C_5C_6R_1R_5s^3 + s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_5 + C_2C_3C_5C_6R_5\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$ **9.1762** X-INVALID-ORDER-1762 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ **9.1763** X-INVALID-ORDER-1763 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5R_1R_5s^2 + C_3 + s\left(C_1C_3R_1 + C_3C_5R_5\right)}{C_1C_2C_3C_6R_1R_5s^3 - C_1C_6s + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}$ **9.1764** X-INVALID-ORDER-1764 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5C_6R_1R_5R_6s^3 + C_3 + s^2\left(C_1C_3C_5R_1R_5 + C_1C_3C_6R_1R_6 + C_3C_5C_6R_5R_6\right) + s\left(C_1C_3R_1 + C_3C_5R_5 + C_3C_6R_6\right)}{C_1C_2C_3C_6R_1R_5s^3 - C_1C_6s + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_2C_6R_5\right)}$ **9.1765** X-INVALID-ORDER-1765 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_3C_5R_1R_5R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_3C_5R_5R_6\right)}{C_1C_2C_3C_6R_1R_5R_6s^3 - C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_6R_5R_6 + C_1C_3C_6R_5R_6 + C_1C_4C_6R_5R_6 - C_1C_5C_6R_5R_6 + C_2C_3C_6R_5R_6\right) + s\left(C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 - C_1C_6R_6 + C_2C_3R_5\right)}$ **9.1766** X-INVALID-ORDER-1766 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$ $H(s) = \frac{C_1C_3C_4R_1R_4R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_3C_4R_4R_6\right)}{C_1C_2C_3C_4R_1R_4R_5s^3 - C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_2C_3C_4R_4R_5\right) + s\left(C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 + C_2C_3R_5\right)}$ **9.1767** X-INVALID-ORDER-1767 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_4R_1R_4s^2 + C_3 + s\left(C_1C_3R_1 + C_3C_4R_4\right)}{C_1C_2C_3C_4C_6R_1R_4R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$ **9.1768** X-INVALID-ORDER-1768 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_4C_6R_1R_4R_6s^3 + C_3 + s^2\left(C_1C_3C_4R_1R_4 + C_1C_3C_6R_1R_6 + C_3C_4C_6R_4R_6\right) + s\left(C_1C_3R_1 + C_3C_4R_4 + C_3C_6R_6\right)}{C_1C_2C_3C_4C_6R_1R_4R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$ **9.1769** X-INVALID-ORDER-1769 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_4R_1R_4R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_3C_4R_4R_6\right)}{C_1C_2C_3C_4C_6R_1R_4R_5R_6s^4 - C_1 + s^3\left(C_1C_2C_3C_4R_1R_4R_5 + C_1C_2C_4C_6R_4R_5R_6 + C_1C_3C_4C_6R_4R_5R_6 + C_1C_3C_4R_4R_5 + C_1C_2C_4R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5 + C_1C_3C_4R_5R_5$

 $\textbf{9.1770} \quad \textbf{X-INVALID-ORDER-1770} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1 C_3 C_4 C_5 R_1 R_4 s^2 + C_3 C_5 + s \left(C_1 C_3 C_5 R_1 + C_3 C_4 C_5 R_4\right)}{C_1 C_2 C_3 C_4 C_6 R_1 R_4 s^3 + s^2 \left(C_1 C_2 C_3 C_6 R_1 + C_1 C_2 C_4 C_6 R_4 + C_1 C_3 C_4 C_6 R_4 + C_2 C_3 C_4 C_6 R_4\right) + s \left(C_1 C_2 C_6 + C_1 C_3 C_6 + C_1 C_4 C_6 - C_1 C_5 C_6 + C_2 C_3 C_6\right) }$

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9.1771 X-INVALID-ORDER-1771 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                    H(s) = \frac{C_1C_3C_4C_5C_6R_1R_4R_6s^3 + C_3C_5 + s^2\left(C_1C_3C_4C_5R_1R_4 + C_1C_3C_5C_6R_1R_6 + C_3C_4C_5C_6R_4R_6\right) + s\left(C_1C_3C_5R_1 + C_3C_4C_5R_4 + C_3C_5C_6R_6\right)}{C_1C_2C_3C_4C_6R_1R_4s^3 + s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_4C_6R_4 + C_1C_3C_4C_6R_4 - C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.1772 X-INVALID-ORDER-1772 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_3C_4C_5R_4R_6\right)}{C_1C_2C_3C_4C_6R_1R_4R_6s^3 + C_1C_2 + C_1C_3 + C_1C_4 + C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_1R_4 + C_1C_2C_4C_6R_4R_6 + C_1C_3C_4C_6R_4R_6 + C_1C_3C_4C_6R_4R_6\right) + s\left(C_1C_2C_3R_1 + C_1C_2C_4R_4 + C_1C_2C_6R_6 + C_1C_3C_4R_4 + C_1C_3C_6R_6 + C_1C_3C_4R_4 + C_
9.1773 X-INVALID-ORDER-1773 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_3C_4C_5R_4R_6\right)}{C_1C_2C_3C_4C_5R_1R_4R_5s^3 + C_1C_2 + C_1C_3 + C_1C_4 + C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_1R_4 + C_1C_2C_3C_5R_1R_5 + C_1C_3C_4C_5R_4R_5\right) + s\left(C_1C_2C_3R_1 + C_1C_2C_4R_4 + C_1C_2C_5R_5 + C_1C_3C_4R_4 + C_1C_3C_5R_5 - C_1C_4C_5R_4 + C_1C_4C_
9.1774 X-INVALID-ORDER-1774 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_4s^2 + C_3C_5 + s\left(C_1C_3C_5R_1 + C_3C_4C_5R_4\right)}{C_1C_2C_3C_4C_5C_6R_1R_4R_5s^4 + s^3\left(C_1C_2C_3C_4C_6R_1R_4 + C_1C_2C_3C_5C_6R_1R_5 + C_1C_3C_4C_5C_6R_4R_5 + C_2C_3C_4C_5C_6R_4 + C_1C_2C_3C_6R_4 + C_1C_2C_5C_6R_5 + C_1C_3C_4C_6R_4 + C_1C_3C_5C_6R_5 + C_1C_4C_5C_6R_4 + C
9.1775 X-INVALID-ORDER-1775 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5C_6R_1R_4R_6s^3 + C_3C_5 + s^2\left(C_1C_3C_4C_5R_1R_4 + C_1C_3C_5C_6R_1R_6 + C_3C_4C_5C_6R_4R_6\right) + s\left(C_1C_3C_5R_1 + C_3C_4C_5R_4 + C_3C_5C_6R_6\right)}{C_1C_2C_3C_4C_5C_6R_1R_4R_5s^4 + s^3\left(C_1C_2C_3C_4C_6R_1R_4 + C_1C_2C_3C_5C_6R_1R_5 + C_1C_2C_4C_5C_6R_4R_5\right) + s^2\left(C_1C_2C_3C_4C_5R_4 + C_1C_2C_5C_6R_5 + C_1C_3C_4C_5R_4 + C_1C_3C_5C_6R_4 + C_1C_4C_5C_6R_4\right)}
9.1776 X-INVALID-ORDER-1776 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.1777 X-INVALID-ORDER-1777 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                      H(s) = \frac{C_1C_3C_4C_5R_1R_4R_5R_6s^3 + C_3R_6 + s^2\left(C_1C_3C_4R_1R_4R_6 + C_1C_3C_5R_1R_5R_6 + C_3C_4C_5R_4R_5R_6\right) + s\left(C_1C_3R_1R_6 + C_3C_4R_4R_6 + C_3C_5R_5R_6\right)}{C_1C_2C_3C_4R_1R_4R_5s^3 - C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_4R_4R_5 + C_1C_3C_4R_4R_5 - C_1C_4C_5R_4R_5 + C_2C_3C_4R_4R_5\right) + s\left(C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}
9.1778 X-INVALID-ORDER-1778 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                      H(s) = \frac{C_1C_3C_4C_5R_1R_4R_5s^3 + C_3 + s^2\left(C_1C_3C_4R_1R_4 + C_1C_3C_5R_1R_5 + C_3C_4C_5R_4R_5\right) + s\left(C_1C_3R_1 + C_3C_4R_4 + C_3C_5R_5\right)}{C_1C_2C_3C_4C_6R_1R_4R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_3C_4C_6R_4R_5 - C_1C_4C_5C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 + C_1C_3C_6R_5 - C_1C_4C_6R_4 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}
9.1779 X-INVALID-ORDER-1779 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5C_6R_1R_4R_5R_6s^4 + C_3 + s^3\left(C_1C_3C_4C_5R_1R_4R_5 + C_1C_3C_4C_6R_1R_4R_6 + C_3C_4C_5R_4R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_
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 $H(s) = \frac{C_1C_3C_4C_5R_1R_4R_5R_6s^3 + C_3R_6 + s^2\left(C_1C_3C_4R_1R_4R_6 + C_1C_3C_5R_1R_5R_6 + C_3C_4C_5R_4R_5R_6\right) + s\left(C_1C_3R_1R_6 + C_1C_3C_4C_6R_4R_5R_6 + C_1C_3C_4C_6R_4R_5R_6 + C_1C_3C_4R_4R_5R_6\right) + s\left(C_1C_3R_4R_5R_6 + C_1C_3C_4R_4R_5R_6 + C_1C_3C_4R_4R_5R_6 + C_1C_3C_4R_4R_5R_6\right) + s\left(C_1C_3C_4R_4R_5R_6 + C_1C_3C_4R_4R_5 +$

9.1780 X-INVALID-ORDER-1780 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1781 X-INVALID-ORDER-1781 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3R_1R_4s + C_3R_4}{C_1C_2C_3C_6R_1R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$ **9.1782** X-INVALID-ORDER-1782 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_6R_1R_4R_6s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$ **9.1783** X-INVALID-ORDER-1783 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_3R_1R_4R_6s + C_3R_4R_6}{C_1C_2C_3C_6R_1R_4R_5R_6s^3 - C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_6R_4R_5R_6 + C_1C_4C_6R_4R_5R_6 + C_1C_4C_6R_4R_5R_6 + C_1C_4C_6R_4R_5 + C_1C_4R_4R_5 + C_1C_$ **9.1784** X-INVALID-ORDER-1784 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3C_6R_1R_4R_6s^3 + C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_4C_6R_4R_6 - C_1C_5C_6R_4R_6 + C_2C_3C_6R_4R_6\right) + s\left(C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_6R_6 + C_2C_3R_4\right)}$ **9.1785** X-INVALID-ORDER-1785 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1C_2C_3C_5R_1R_4R_5s^3 + C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_4C_5R_4R_5 + C_2C_3C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}$ **9.1786** X-INVALID-ORDER-1786 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5R_1R_4s + C_3C_5R_4}{C_1C_2C_3C_5C_6R_1R_4R_5s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_2C_3C_5C_6R_4R_5 \right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_2C_3C_6R_4\right)}$ **9.1787** X-INVALID-ORDER-1787 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_2C_3C_5C_6R_1R_4R_5s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_4C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_$ **9.1788** X-INVALID-ORDER-1788 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s$ $\frac{ \cup_{1} \cup_{3} \cup_{5} \pi_{1} \pi_{4} \pi_{6} s \ + \cup_{3} \cup_{5} \pi_{4} \pi_{6} s }{ C_{1} C_{2} C_{3} C_{5} R_{1} R_{4} R_{5} + C_{1} C_{2} C_{5} C_{6} R_{4} R_{5} R_{6} + C_{1} C_{3} C_{5} C_{6} R_{4} R_{5} R_{6} + C_{1} C_{2} C_{5} C_{6} R_{4} R_{5$ **9.1789** X-INVALID-ORDER-1789 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_4R_5s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5\right)}{C_1C_2C_3C_6R_1R_4R_5s^3 + s^2\left(C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

$$\textbf{9.1790} \quad \textbf{X-INVALID-ORDER-1790} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ \frac{R_5}{C_5 R_5 s + 1}, \ R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1 C_3 C_5 C_6 R_1 R_4 R_5 R_6 s^3 + C_3 R_4 + s^2 \left(C_1 C_3 C_5 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_6 + C_3 C_5 C_6 R_4 R_5 R_6\right) + s \left(C_1 C_3 R_1 R_4 + C_3 C_5 R_4 R_5 + C_3 C_6 R_4 R_6\right) }{C_1 C_2 C_3 C_6 R_1 R_4 R_5 s^3 + s^2 \left(C_1 C_2 C_6 R_4 R_5 + C_1 C_3 C_6 R_4 R_5 + C_1 C_5 C_6 R_4 R_5 + C_2 C_3 C_6 R_4 R_5\right) + s \left(-C_1 C_6 R_4 + C_1 C_6 R_5\right) }$$

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9.1791 X-INVALID-ORDER-1791 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)}{C_1C_2C_3C_6R_1R_4R_5R_6s^3 - C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_3C_6R_4R_5R_6 + C_1C_3C_6R_4R
9.1792 X-INVALID-ORDER-1792 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                       H(s) = \frac{C_1C_3R_1R_4s + C_3R_4}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.1793 X-INVALID-ORDER-1793 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                      H(s) = \frac{C_1C_3C_6R_1R_4R_6s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.1794 X-INVALID-ORDER-1794 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_4R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_1R_4R_5R_6 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_2C_6R_4R_5R_6 + C_1C_3C_6R_4R_5R_6 + C_1C_3C_6R_5R_6 + C
9.1795 X-INVALID-ORDER-1795 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_6R_1R_4R_6 + C_1C_2C_3C_6R_3R_4R_6 - C_1C_3C_5C_6R_3R_4 + C_1C_2C_3R_1R_4 + C_1C_2C_3R_3R_4 + C_1C_3C_6R_4R_6 - C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_2C_3C_6R_4R_6 + C_2C_3C_
9.1796 X-INVALID-ORDER-1796 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                        H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_5R_1R_4R_5 + C_1C_2C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_3R_4 + C_1C_2C_5R_4R_5 - C_1C_3C_5R_3R_4 + C_1C_3C_5R_4R_5 + C_2C_3C_5R_4R_5\right) + s\left(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}
9.1797 X-INVALID-ORDER-1797 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_4s + C_3C_5R_4}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_4R_5 + C_1C_2C_3C_5C_6R_3R_4 + C_1C_2C_3C_6R_3R_4 + C_1C_2C_5C_6R_4R_5 - C_1C_3C_5C_6R_3R_5 + C_1C_3C_5C_6R_4R_5 + s^2\left(C_1C_2C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + c_1C_3C_5C_6R_4R_5 + s^2\left(C_1C_2C_3C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + c_1C_3C_5C_6R_4R_5 + s^2\left(C_1C_2C_3C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + c_1C_3C_5C_6R_4 + c_1C_3C_5C_6R_4 + c_1C_3C_5C_6R_4 + c_1C_3C_5C_6R_4 + c_1C_3C_5C_6R_4 + c_1C_3C_5C_6R_4 + c_1C_5C_5C_6R_4 + c_1C_5C_5C_6R
9.1798 X-INVALID-ORDER-1798 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_4R_5 + C_1C_2C_3C_5C_6R_3R_4 + C_1C_2C_3C_6R_3R_4 + C_1C_3C_5C_6R_3R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5
9.1799 X-INVALID-ORDER-1799 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{1}{C_1 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_6 + C_1 C_2 C_3 C_6 R_4 R_5 R_6 + C_1 C_2 C_5 C_6 R_5 R_5 R_6 + C_1 C_2 C_5 C_6 R_5 R_5$

 $H(s) = \frac{C_1C_3C_5R_1R_4R_5s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 - C_1C_3C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$

9.1800 X-INVALID-ORDER-1800 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

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9.1801 X-INVALID-ORDER-1801 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                        H(s) = \frac{C_1C_3C_5C_6R_1R_4R_5R_6s^3 + C_3R_4 + s^2\left(C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_6 + C_3C_5C_6R_4R_5R_6\right) + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 - C_1C_3C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 - C_1C_5C_6R_4R_5\right) + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5 + C_3C_6R_4R_5\right) + s\left(C_1C_3R_4R_5 + C_1C_3C_6R_4R_5 + C_3C_6R_4R_5\right) + s\left(C_1C_3R_4R_5 + C_1C_3C_6R_4R_5 + C_3C_6R_4R_5\right) + s\left(C_1C_3R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(C_1C_3R_4R_5\right) + s\left(C_1C_3R_4R_
9.1802 X-INVALID-ORDER-1802 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_1R_4R_5R_6 + C_1C_3C_5C_6R_3R_4R_5R_6 + C_1C_3C_5R_3R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + 
9.1803 X-INVALID-ORDER-1803 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                    H(s) = \frac{C_1C_3R_1s + C_3}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}
9.1804 X-INVALID-ORDER-1804 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                   H(s) = \frac{C_1C_3C_6R_1R_6s^2 + C_3 + s\left(C_1C_3R_1 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}
9.1805 X-INVALID-ORDER-1805 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_6s + C_3R_6}{-C_1 + s^3\left(C_1C_2C_3C_6R_1R_5R_6 + C_1C_2C_3C_6R_3R_5R_6 + C_1C_3C_4R_3R_5 + C_1C_2C_3R_3R_5 + C_1C_2C_6R_5R_6 + C_1C_3C_6R_3R_6 + C_1C_3C_6R_5R_6 + C_1C_3C
9.1806 X-INVALID-ORDER-1806 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                 H(s) = \frac{C_1 C_3 C_5 R_1 R_6 s + C_3 C_5 R_6}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3 + s \left(C_1 C_2 C_3 R_1 + C_1 C_2 C_3 R_3 + C_1 C_3 C_4 R_3 - C_1 C_3 C_5 R_3\right)}
9.1807 X-INVALID-ORDER-1807 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                   H(s) = \frac{C_1C_3C_5R_1s + C_3C_5}{s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_3C_6R_3 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.1808 X-INVALID-ORDER-1808 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                 H(s) = \frac{C_1C_3C_5C_6R_1R_6s^2 + C_3C_5 + s\left(C_1C_3C_5R_1 + C_3C_5C_6R_6\right)}{s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_3C_6R_3 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.1809 X-INVALID-ORDER-1809 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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9.1810 X-INVALID-ORDER-1810 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

```
9.1811 X-INVALID-ORDER-1811 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_6s}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_3C_5C_6R_1R_5R_6 + C_1C_2C_3C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_2C_3C_5R_1R_5 + C_1C_2C_3C_6R_1R_6 + C_1C_2C_3C_6R_3R_6 + C_1C_3C_4C_5R_3R_5 + C_1C_3C_5R_3R_5 + C_1C_3C_5R_5R_5 + C_1C_5C_5R_5R
9.1812 X-INVALID-ORDER-1812 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                          H(s) = \frac{C_1C_3C_5R_1R_5s^2 + C_3 + s\left(C_1C_3R_1 + C_3C_5R_5\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5 - C_1C_3C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}
9.1813 X-INVALID-ORDER-1813 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                          H(s) = \frac{C_1C_3C_5C_6R_1R_5R_6s^3 + C_3 + s^2\left(C_1C_3C_5R_1R_5 + C_1C_3C_6R_1R_6 + C_3C_5C_6R_5R_6\right) + s\left(C_1C_3R_1 + C_3C_5R_5 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_3R_5 + C_1C_3C_4C_6R_3R_5 - C_1C_3C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 - C_1C_5C_6R_5 + C_2C_3C_6R_5\right)}
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9.1814 X-INVALID-ORDER-1814 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_5R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_6R_1R_5R_6 + C_1C_2C_3C_6R_3R_5R_6 + C_1C_3C_4C_6R_3R_5R_6 + C_1C_3C_4R_3R_5 + C_1C_2C_3R_3R_5 + C_1C_3C_4R_3R_5 - C_1C_3C_6R_3R_6 + C_1C_3C_6R_5R_6 + C_1C_3C_6R_5$

9.1815 X-INVALID-ORDER-1815 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3C_4R_1R_4R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_3C_4R_4R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_4R_1R_4R_5 + C_1C_2C_3C_4R_3R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_3R_3R_5 + C_1C_3C_4R_3R_4 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_4R_5\right) + s\left(C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 + C_2C_3R_5\right)}$

9.1816 X-INVALID-ORDER-1816 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4R_1R_4s^2 + C_3 + s\left(C_1C_3R_1 + C_3C_4R_4\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_1R_4R_5 + C_1C_2C_3C_4C_6R_3R_4 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_$

9.1817 X-INVALID-ORDER-1817 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_6R_1R_4R_6s^3 + C_3 + s^2\left(C_1C_3C_4R_1R_4 + C_1C_3C_6R_1R_6 + C_3C_4C_6R_4R_6\right) + s\left(C_1C_3R_1 + C_3C_4R_4 + C_3C_6R_6\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_1R_4R_5 + C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_1R_5 + C_1C_2C_4C_6R_4R_5 - C_1C_3C_4C_6R_3R_4 + C_1C_3C_4C_6R_4R_5 + C_2C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_3 + C_1C_3C_4C_6R_4R_5 - C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_3 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R_5\right) + s^2\left(C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_4C_6R_4R_5 + C_1C_3C_4C_6R_4R$

9.1818 X-INVALID-ORDER-1818 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1 C_3}{-C_1 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_3 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_4 R_5 R_6 + C_1 C_$

9.1819 X-INVALID-ORDER-1819 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.1820 X-INVALID-ORDER-1820 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_4R_6s^3 + C_3C_5 + s^2\left(C_1C_3C_4C_5R_1R_4 + C_1C_3C_5C_6R_1R_6 + C_3C_4C_5R_4R_6\right) + s\left(C_1C_3C_5R_1 + C_3C_4C_5R_4 + C_3C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_4C_6R_1R_4 + C_1C_2C_3C_4C_6R_3 + C_1C_2C_4C_6R_4 + C_1C_3C_4C_6R_3 + C_1C_3C_4C_6R_4 + C_1C_3C_5C_6R_3 - C_1C_4C_5C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6R_4\right)}$

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9.1821 X-INVALID-ORDER-1821 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_6 + s}{C_1C_2 + C_1C_3 + C_1C_3 + C_1C_3 + C_1C_3 + C_1C_3 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_2C_3C_4R_3R_4 + C_1C_2C_3C_4R_3R_4 + C_1C_2C_3C_6R_3R_6 + C_1C_3C_4C_5R_3R_4 + C_1C
9.1822 X-INVALID-ORDER-1822 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
9.1823 X-INVALID-ORDER-1823 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_1C_3C_4C_5R_1R_4s^2 + C_3C_5 + s
9.1824 X-INVALID-ORDER-1824 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_1C_3C_4C_5C_6R_1R_4R_6s^3 + C_3C_5 + s^2(C_1C_3C_4C_5R_1R_4 + C_1C_3C_5C_6R_1R_4)
H(s) = \frac{C_1C_3C_4C_5C_6R_1R_4R_6s^3 + C_3C_5 + s^2\left(C_1C_3C_4C_5R_1R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_2C_3C_4C_5R_1R_4 + C_1C_2C_3C_5C_6R_3R_5 + C_1C_2C_3C_4C_5C_6R_3R_4 + C_1C_2C_3C_4C_5C_6R_4R_5 + C_1C_3C_4C_5C_6R_4R_5 + C_1C_3C_4C_5C_
9.1825 X-INVALID-ORDER-1825 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.1826 X-INVALID-ORDER-1826 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_4R_5R_6s^3 + C_3R_6 + s^2\left(C_1C_3C_4R_1R_4R_6 + C_1C_3C_5R_1R_5R_6 + C_3C_4C_5R_4R_5R_6\right) + s\left(C_1C_3R_1R_6 + C_3C_4R_4R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_4R_1R_4R_5 + C_1C_2C_3C_4R_3R_4R_5 - C_1C_3C_4R_3R_4R_5 + C_1C_2C_3R_4R_5 + C_1C_3C_4R_3R_4 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_5 + C_1C_3C_4R_
9.1827 X-INVALID-ORDER-1827 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_4R_5s^3 + C_3 + s^2\left(C_1C_3C_4R_1R_4 + C_1C_3C_5R_1R_5 + C_3C_4C_5R_4R_5\right) + s\left(C_1C_3R_1 + C_3C_4R_4 + C_3C_5R_5\right)}{-C_1C_6s + s^4\left(C_1C_2C_3C_4C_6R_1R_4R_5 + C_1C_2C_3C_4C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_4C_6R_4R_5 - C_1C_3C_4C_6R_3R_4 + C_1C_3C_4C_6R_3R_4 + C_1C_3C_4C_6R_3R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_6R_5
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9.1828 X-INVALID-ORDER-1828
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_4R_5R_6s^4 + C_3 + s^3\left(C_1C_3C_4C_5R_1R_4R_5 + C_1C_3C_4C_6R_1R_4R_5 + C_1C_3C_5C_6R_1R_5R_6 + C_3C_4C_5R_4R_5R_6\right) + s^2\left(C_1C_3C_4R_1R_4 + C_1C_3C_5R_1R_5 + C_1C_3C_6R_1R_6 + C_3C_4C_5R_4R_5 + C_3C_4C_6R_4R_6 + C_3C_4C_5R_4R_5 + C_3C_4C_6R_4R_5 + C$

9.1829 X-INVALID-ORDER-1829
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{-}{-C_1 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_3 R_4 R_5 R_6 - C_1 C_3 C_4 C_5 C_6 R_3 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_4 R_5 R_6 - C_1 C_3 C_4 C_5 R_3 R_4 R_5 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_3 C_4 R_5 R_4 R_5 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 - C_1 C_3 C_4 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_4 R_5 R_6 \right)$

9.1830 X-INVALID-ORDER-1830
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3R_1R_4s + C_3R_4}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$$

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9.1831 X-INVALID-ORDER-1831 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                            H(s) = \frac{C_1C_3C_6R_1R_4R_6s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.1832 X-INVALID-ORDER-1832 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_4R_6s + C_3R_4R_6}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_1R_4R_5R_6 + C_1C_2C_3C_6R_3R_4R_5R_6 + C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_2C_6R_4R_5R_6 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_5R_5 + C_1C_3C_6R_5R_5 + C_1C_3C_6R_5R_5 + C_1C_3C_6R_5R_5 + C_1C_3C_6R_5R_5 + C_1C_3C_6R_5R_5 + C_1C_5C_6R_5R
9.1833 X-INVALID-ORDER-1833 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_6R_1R_4R_6 + C_1C_2C_3C_6R_3R_4R_6 + C_1C_3C_6R_3R_4R_6 + C_1C_3C_6R_3R_4 + C_1C_3C_
9.1834 X-INVALID-ORDER-1834 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_4R_6s^2 + C_3C_5R_4R_6s}{C_1 + s^3\left(C_1C_2C_3C_5R_1R_4R_5 + C_1C_2C_3C_5R_3R_4R_5 + C_1C_3C_4R_3R_4 + C_1C_2C_3R_3R_4 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_3R_4 + C_1C_3C_5R_3R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_
9.1835 X-INVALID-ORDER-1835 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_1C_3C_5R_1R_4s + C_3C_5R_4
9.1836 X-INVALID-ORDER-1836 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_4R_5 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5C_6R_4R_5 
9.1837 X-INVALID-ORDER-1837 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1 + s^4 \left( C_1 C_2 C_3 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_3 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_6 R_3 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_5 R_5 R_4 R_5 \right) + s^3 \left( C_1 C_2 C_5 R_5 R_5
9.1838 X-INVALID-ORDER-1838 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                  H(s) = \frac{C_1C_3C_5R_1R_4R_5s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5 + C_1C
9.1839 X-INVALID-ORDER-1839 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                  H(s) = \frac{C_1C_3C_5C_6R_1R_4R_5R_6s^3 + C_3R_4 + s^2\left(C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_6 + C_3C_5C_6R_4R_5R_6\right) + s\left(C_1C_3R_1R_4 + C_3C_5R_4R_5 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_4R_5 + 
9.1840 X-INVALID-ORDER-1840 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s(C_1C_3R_1R_4R_6 + C_3C_5R_4R_6)
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 $\frac{C_1C_3C_5R_1R_4R_5R_6 + C_1C_3C_3R_1R_4R_5R_6 + C_1C_3C_3R_1R_4R_6 + S_1C_1C_3R_1R_4R_6 +$

 $H(s) = \frac{C_1C_3R_1R_3R_4s^2 + R_4 + s\left(C_1R_1R_4 + C_3R_3R_4\right)}{C_1C_2C_3C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$ **9.1843** X-INVALID-ORDER-1843 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_6R_1R_3R_4R_6s^3 + R_4 + s^2\left(C_1C_3R_1R_3R_4 + C_1C_6R_1R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_3R_3R_4 + C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$ **9.1844** X-INVALID-ORDER-1844 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_3R_1R_3R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6\right)}{C_1C_2C_3C_6R_1R_3R_4R_5R_6s^4 + s^3\left(C_1C_2C_3R_1R_3R_4R_5 + C_1C_2C_6R_1R_4R_5R_6 + C_1C_3C_6R_3R_4R_5R_6 + C_2C_3C_6R_3R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_6R_3R_4R_5 + C_1C_6R_3R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C$ **9.1845** X-INVALID-ORDER-1845 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5R_1R_3R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_3C_5R_3R_4\right)}{C_1C_2C_3C_6R_1R_3R_4s^3 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}$ **9.1846** X-INVALID-ORDER-1846 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5C_6R_1R_3R_4R_6s^3 + C_5R_4 + s^2\left(C_1C_3C_5R_1R_3R_4 + C_1C_5C_6R_1R_4R_6 + C_3C_5C_6R_3R_4R_6\right) + s\left(C_1C_5R_1R_4 + C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{C_3C_5C_6C_6R_1R_2R_4s^3 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_2C_3C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4R_6\right)}$ **9.1847** X-INVALID-ORDER-1847 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_1C_3C_5R_1R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1C_2C_3C_6R_1R_3R_4R_6s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_6R_1R_4R_6 + C_1C_3C_6R_3R_4R_6 + C_1C_3C_6R_3R_4R_6\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 + C_1C_5R_3R_4 + C_1C_6R_3R_6 + C_1C_6R_4R_6 + C_2C_3C_6R_3R_4R_6\right)}$ **9.1848** X-INVALID-ORDER-1848 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_1C_3C_5R_1R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1C_2C_3C_5R_1R_3R_4R_5s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_5R_1R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_1R_4 + C_1C_3R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_3R_5 + C_1C_5R_3R_4 + C_1C_$ **9.1849** X-INVALID-ORDER-1849 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5R_1R_3R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_3C_5R_3R_4\right)}{C_1C_2C_3C_5C_6R_1R_3R_4 + S^4 + s^3\left(C_1C_2C_3C_6R_1R_3R_4 + C_1C_2C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_2C_3C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6$ **9.1850** X-INVALID-ORDER-1850 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_1C_3C_5C_6R_1R_3R_4R_6s^3 + C_5R_4 + s^2\left(C_1C_3C_5R_1R_3R_4 + C_1C_5C_6R_3R_4R_6\right) + s\left(C_1C_5R_1R_4 + C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{C_1C_2C_3C_5C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_3C_6R_1R_3R_4 + C_1C_2C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_5C_6R_3R_4 +$ 497

 $H(s) = \frac{C_1C_3R_1R_3R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6\right)}{C_1C_2C_3R_1R_3R_4R_5s^3 + s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

9.1841 X-INVALID-ORDER-1841 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$

9.1842 X-INVALID-ORDER-1842 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$

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9.1851 X-INVALID-ORDER-1851 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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9.1852 X-INVALID-ORDER-1852 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_3R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_3R_1R_3R_4R_6 + C_1C_5R_1R_4R_5R_6 + C_3C_5R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6 + C_5R_4R_5R_6\right)}{C_1C_2C_3R_1R_3R_4R_5s^3 + s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 - C_1C_5R_3R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

9.1853 X-INVALID-ORDER-1853 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_3R_4R_5s^3 + R_4 + s^2\left(C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_3C_5R_3R_4R_5\right) + s\left(C_1R_1R_4 + C_3R_3R_4 + C_5R_4R_5\right)}{C_1C_2C_3C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1854 X-INVALID-ORDER-1854 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_3R_4R_5R_6s^4 + R_4 + s^3\left(C_1C_3C_5R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_6 + C_1C_5C_6R_1R_4R_5R_6 + C_3C_5C_6R_3R_4R_5 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_1C_6R_1R_4R_6 + C_3C_5R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_$

9.1855 X-INVALID-ORDER-1855 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_3R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_3R_1R_3R_4R_5 + C_1C_5R_1R_4R_5R_6 + C_3C_5R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6 + C_5R_4R_5R_6\right)}{C_1C_2C_3C_6R_1R_3R_4R_5R_6s^4 + s^3\left(C_1C_2C_3R_1R_3R_4R_5 + C_1C_2C_6R_1R_4R_5R_6 + C_1C_5C_6R_3R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_5R_3R_4R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_$

9.1856 X-INVALID-ORDER-1856 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1C_3R_1R_3R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_3R_3R_6\right)}{C_1C_2C_3R_1R_3R_5s^3 + s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 + C_1C_3R_3R_5 + C_1C_4R_3R_5 + C_2C_3R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$$

9.1857 X-INVALID-ORDER-1857 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3R_1R_3s^2 + s\left(C_1R_1 + C_3R_3\right) + 1}{C_1C_2C_3C_6R_1R_3R_5s^4 + s^3\left(C_1C_2C_6R_1R_5 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$$

9.1858 X-INVALID-ORDER-1858 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_6R_1R_3R_6s^3 + s^2\left(C_1C_3R_1R_3 + C_1C_6R_1R_6 + C_3C_6R_3R_6\right) + s\left(C_1R_1 + C_3R_3 + C_6R_6\right) + 1}{C_1C_2C_3C_6R_1R_3R_5s^4 + s^3\left(C_1C_2C_6R_1R_5 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$$

9.1859 X-INVALID-ORDER-1859 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3R_1R_3R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_3R_3R_6\right)}{C_1C_2C_3C_6R_1R_3R_5R_6s^4 + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_6R_1R_5R_6 + C_1C_3C_6R_3R_5R_6 + C_1C_4C_6R_3R_5R_6 + C_1C_4C_6R_5R_6 + C_1C$

9.1860 X-INVALID-ORDER-1860 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_3s^2 + C_5 + s\left(C_1C_5R_1 + C_3C_5R_3\right)}{C_1C_2C_3C_6R_1R_3s^3 + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_2C_3C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$$

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9.1861 X-INVALID-ORDER-1861 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                     H(s) = \frac{C_1C_3C_5C_6R_1R_3R_6s^3 + C_5 + s^2\left(C_1C_3C_5R_1R_3 + C_1C_5C_6R_1R_6 + C_3C_5C_6R_3R_6\right) + s\left(C_1C_5R_1 + C_3C_5R_3 + C_5C_6R_6\right)}{C_1C_2C_3C_6R_1R_3s^3 + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_2C_3C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}
9.1862 X-INVALID-ORDER-1862 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                H(s) = \frac{C_1C_3C_5R_1R_3R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_3C_5R_3R_6\right)}{C_1C_2C_3C_6R_1R_3R_6s^3 + C_1 + C_2 + s^2\left(C_1C_2C_3R_1R_3 + C_1C_2C_6R_1R_6 + C_1C_3C_6R_3R_6 + C_1C_4C_6R_3R_6 + C_1C_5C_6R_3R_6 + C_2C_3C_6R_3R_6\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_3R_3 + C_1C_5R_3 + C_1C_6R_6 + C_2C_3R_3 + C_2C_6R_6\right)}
9.1863 X-INVALID-ORDER-1863 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                    H(s) = \frac{C_1C_3C_5R_1R_3R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_3C_5R_3R_6\right)}{C_1C_2C_3C_5R_1R_3R_5s^3 + C_1 + C_2 + s^2\left(C_1C_2C_3R_1R_3 + C_1C_2C_5R_1R_5 + C_1C_2C_5R_3R_5 + C_1C_4C_5R_3R_5 + C_2C_3C_5R_3R_5\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_3R_3 + C_1C_5R_3 + C_1C_5R_3 + C_1C_5R_3 + C_2C_5R_5\right)}
9.1864 X-INVALID-ORDER-1864 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_3s^2 + C_5 + s\left(C_1C_5R_1 + C_3C_5R_3\right)}{C_1C_2C_3C_5C_6R_1R_3R_5s^4 + s^3\left(C_1C_2C_3C_6R_1R_3 + C_1C_2C_5C_6R_1R_5 + C_1C_3C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_2C_3C_5C_6R_3R_5 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R
9.1865 X-INVALID-ORDER-1865 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_3R_6s^3 + C_5 + s^2\left(C_1C_3C_5R_1R_3 + C_1C_5C_6R_1R_6 + C_3C_5C_6R_3R_6\right) + s\left(C_1C_5R_1 + C_3C_5R_3 + C_5C_6R_6\right)}{C_1C_2C_3C_5C_6R_1R_3R_5s^4 + s^3\left(C_1C_2C_3C_6R_1R_3 + C_1C_2C_5C_6R_1R_5 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_1C_5C_6R_3 +
9.1866 X-INVALID-ORDER-1866 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                    \frac{ \cup_{1} \cup_{3} \cup_{5} \kappa_{1} \kappa_{3} \kappa_{5} \kappa_{6} \kappa_{6} \kappa_{1} \kappa_{3} \kappa_{5} \kappa_{6} \kappa_{1} \kappa_{2} \kappa_{5} \kappa_{6} \kappa_{1} \kappa_{3} \kappa_{5} \kappa_{6} \kappa_{1} \kappa_{2} \kappa_{5} \kappa_{6} \kappa_{1} \kappa_{3} \kappa_{5} \kappa_{6} \kappa_{1} \kappa_{5} \kappa_{6} \kappa_{5} \kappa_{1} \kappa_{5} \kappa_{6} \kappa_{5} \kappa_{1} \kappa_{5} \kappa_{6} \kappa_{5} \kappa
9.1867 X-INVALID-ORDER-1867 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                                                                                            H(s) = \frac{C_1C_3C_5R_1R_3R_5R_6s^3 + R_6 + s^2\left(C_1C_3R_1R_3R_6 + C_1C_5R_1R_5R_6 + C_3C_5R_3R_5R_6\right) + s\left(C_1R_1R_6 + C_3R_3R_6 + C_5R_5R_6\right)}{C_1C_2C_3R_1R_3R_5s^3 + s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 + C_1C_3R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_5 + C_2C_3R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}
9.1868 X-INVALID-ORDER-1868 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                              H(s) = \frac{C_1C_3C_5R_1R_3R_5s^3 + s^2\left(C_1C_3R_1R_3 + C_1C_5R_1R_5 + C_3C_5R_3R_5\right) + s\left(C_1R_1 + C_3R_3 + C_5R_5\right) + 1}{C_1C_2C_3C_6R_1R_3R_5s^4 + s^3\left(C_1C_2C_6R_1R_5 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5 + C_2C_3C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}
9.1869 X-INVALID-ORDER-1869 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                     H(s) = \frac{C_1C_3C_5C_6R_1R_3R_5R_6s^4 + s^3\left(C_1C_3C_5R_1R_3R_5 + C_1C_3C_6R_1R_3R_6 + C_1C_5C_6R_1R_5R_6 + C_3C_5C_6R_3R_5R_6\right) + s^2\left(C_1C_3R_1R_3 + C_1C_5R_1R_5 + C_1C_6R_1R_6 + C_3C_5R_3R_5 + C_3C_6R_3R_6 + C_5C_6R_3R_6\right) + s\left(C_1R_1 + C_3R_3 + C_5R_5 + C_6R_6\right) + s\left(C_1R_1 + C_3R_3 + C_5R_5 + C_6R_5\right) + s\left(C_1R_1 + C_3R_3 + C_5R_5 + C_5R_5\right) + s\left(C_1R_1 + C_3R_3 + C_5R_5\right) + s\left(C_1R_1 + C_3R_5\right) + s\left(C_1R_1 + C_3R_5\right) + s\left(C_1R_1 + C_3R_5\right) + s\left(C_1R_1 + C_3
9.1870 X-INVALID-ORDER-1870 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_1C_3C_5R_1R_3R_5R_6s^3 + R_6 + s^2\left(C_1C_3R_1R_3R_6 + C_1C_5R_1R_5R_6 + C_3C_5R_3R_5R_6\right) + s\left(C_1R_1R_6 + C_3R_3R_6 + C_5R_5R_6\right)}{C_1C_2C_3C_6R_1R_3R_5R_6s^4 + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_6R_1R_5R_6 + C_1C_2C_6R_3R_5R_6 + C_1C_4C_6R_3R_5R_6 + C_1C_4C_6R_3R_5R_6\right) + s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 + C_1C_3R_3R_5 + C_1C_5R_3R_5 - C_1C_5R_3R_5 + C_1C_4R_3R_5 +$

499

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9.1871 X-INVALID-ORDER-1871 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_1C_3C_4R_1R_3R_4R_6s^3 + R_6 + s^2\left(C_1C_3R_1R_3R_6 + C_1C_4R_1R_4R_6 + C_3C_4R_3R_4R_6\right) + s\left(C_1R_1R_6 + C_3R_3R_6 + C_4R_4R_6\right)}{C_1C_2C_3C_4R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_3C_4R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_4R_5 + C_2C_3R_3R_5 + C_2C_4R_4R_5\right) + s\left(C_1R_1R_6 + C_3R_3R_6 + C_4R_4R_6\right)}
9.1872 X-INVALID-ORDER-1872 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4R_1R_3R_4s^3 + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_3C_4R_3R_4\right) + s\left(C_1R_1 + C_3R_3 + C_4R_4\right) + 1}{C_1C_2C_3C_4C_6R_1R_3R_4R_5s^5 + s^4\left(C_1C_2C_3C_6R_1R_3R_5 + C_1C_2C_4C_6R_1R_4R_5 + C_1C_3C_4C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_5 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5 + C_1C_4C_6R
9.1873 X-INVALID-ORDER-1873 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_6R_1R_3R_4R_6s^4 + s^3\left(C_1C_3C_4R_1R_3R_4 + C_1C_3C_6R_1R_3R_6 + C_1C_4C_6R_1R_4R_6 + C_3C_4C_6R_3R_4R_6\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_6R_1R_6 + C_3C_4R_3R_4 + C_3C_6R_3R_6 + C_4C_6R_4R_6\right) + s\left(C_1R_1 + C_3R_3 + C_4R_4R_6\right) + s\left(C_1R_1 + C_3R_3R_4R_6\right) + s\left(C_1R_1 + C_3R_3R_4\right) + s\left(C_1R_1 + C_3R_3R_4\right) + s\left(C_1R_1 + C_3R_3R_4\right) + s\left(C_1R_1 + C_3R_3R_4\right) + s\left(C_1R_1 + C_3R_4R_4\right) + s\left(C_1R_1 + C_3R_4R_4\right) + s\left(C_1R_1 + C_3R_4R_4\right) + s\left(C_
9.1874 X-INVALID-ORDER-1874 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                          \frac{C_1C_2C_3}{C_1C_2C_3C_4C_6R_1R_3R_4R_5R_6s^5 + s^4\left(C_1C_2C_3C_4R_1R_3R_4R_5 + C_1C_2C_3C_6R_1R_3R_5R_6 + C_1C_2C_4C_6R_1R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_6 + C_2C_3C_4C_6R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_4R_1R_4R_5 + C_1C_2C_4C_6R_1R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_6 + C_2C_3C_4C_6R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_4R_1R_4R_5 + C_1C_2C_4C_6R_1R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_4R_1R_4R_5 + C_1C_2C_4C_6R_1R_4R_5R_6\right) + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_4R_1R_4R_5 + C_1C_2C_4R_1R_4R_5\right) + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_4R_1R_4R_5\right) + s^3\left(C_1C_2C_3R_1R_3R_5\right) + s^3\left(C_1C_2C_3R_1R_3R_
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9.1875 X-INVALID-ORDER-1875 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_1C_3C_4C_5R_1R_3R_4R_6s^3 + C_5R_6 + s^2\left(C_1C_3C_5R_1R_3R_6 + C_1C_4C_5R_1R_4R_6 + C_3C_4C_5R_3R_4R_6\right) + s\left(C_1C_5R_1R_6 + C_3C_5R_3R_6 + C_4C_5R_4R_6\right)}{C_1C_2C_3C_4R_1R_3R_4s^3 + C_1 + C_2s^2\left(C_1C_2C_3R_1R_3 + C_1C_2C_4R_1R_4 + C_1C_2C_4R_3R_4 + C_1C_4C_5R_3R_4 + C_2C_3C_4R_3R_4\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_3R_4\right)}$

9.1876 X-INVALID-ORDER-1876 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

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

9.1877 X-INVALID-ORDER-1877 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_1C_3C_4C_5C_6R_1R_3R_4R_6s^4 + C_5 + s^3\left(C_1C_3C_4C_5R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_6 + C_1C_4C_5C_6R_1R_4R_6 + C_3C_4C_5R_1R_3 + C_1C_4C_5R_1R_4 + C_1C_5C_6R_1R_4 +$

9.1878 X-INVALID-ORDER-1878 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_3C_4C_5R_1R_3R_4R_6s^3 + C_5R_6 + s^2(C_1C_3C_5R_1R_3R_6 + s^2)$

9.1879 X-INVALID-ORDER-1879 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_3R_4R_6s^\circ + C_5R_6 + s^-(C_1C_3C_5R_1R_3R_6 + C_1C_4C_5R_1R_4R_6 + C_1C_4C_5R_1R_4R_6$

9.1880 X-INVALID-ORDER-1880 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $\frac{1 + \frac{1}{3} + \frac{1}{3}$

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9.1881 X-INVALID-ORDER-1881 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $C_1C_3C_4C_5C_6R_1R_3R_4R_6s^4 + C_5 + s^3(C_1C_3C_4C_5R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_6 + C_1C_4C_5C_6R_1R_4$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_3R_4R_6s^4 + C_5 + s^3\left(C_1C_3C_4C_5R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_6 + C_1C_4C_5C_6R_1R_4R_5 + C_1C_2C_4C_5C_6R_1R_3R_4 + C_1C_2C_4C_5C_6R_1R_3R_4 + C_1C_2C_4C_5C_6R_1R_3R_4 + C_1C_2C_4C_5C_6R_1R_4R_5 + C_1C_4C_5C_6R_1R_4R_5 + C_1C_4C_5C_6R_1R_$

9.1882 X-INVALID-ORDER-1882 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.1883 X-INVALID-ORDER-1883 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_3R_4R_5R_6s^4 + R_6 + s^3\left(C_1C_3C_4R_1R_3R_4R_6 + C_1C_4C_5R_1R_4R_5R_6 + C_3C_4C_5R_3R_4R_5R_6\right) + s^2\left(C_1C_3R_1R_3R_6 + C_1C_4R_1R_4R_6 + C_1C_5R_1R_5R_6 + C_3C_4R_3R_4R_6 + C_3C_5R_3R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1R_1R_6 + C_4C_5R_1R_4R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1R_1R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1R_4R_4R_5R_6 + C_4C_5R_4R_4R_5R_6\right) + s\left(C_1R_4R_4R_5R_6 + C_4C_5R_4R_4R_5R_6\right) + s\left(C_1R_4R_4R_5 + C_4C_5R_4R_4R_5 + C_4C_5R_4R_4R_5\right) + s\left(C_1R_4R_4R_5 + C_4C_5R_4R_4R_5 + C_4C_5R_4R_4R_5\right) + s\left(C_1R_4R_4R_5 + C_4C_5R_4R_4R_5 + C_4C_5R_4R_4R_5\right) + s\left(C_1R_4R_4R_5 + C_4C_5R_4R_4R_5 + C_4C_5R_4R_5R_5\right) + s\left(C_1R_4R_4R_5 + C_4C_5R_4R_5R_5\right) + s\left(C_1R_4R_4R_5 + C_4C_5R_4R_4R_5\right) + s\left(C_1R_4R_4R_5 + C_4C_5R_4R_5R_5\right) + s\left(C_1R_4R_5R_5 + C_4C_5R_4R_5\right) + s\left(C_1R_4R_5R_5 + C_4C_5R_4R_5\right) + s\left(C_1R_4R_5R_5 +$

9.1884 X-INVALID-ORDER-1884 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_3R_4R_5s^4 + s^3\left(C_1C_3C_4R_1R_3R_4 + C_1C_3C_5R_1R_3R_5 + C_1C_4C_5R_1R_4R_5 + C_3C_4C_5R_3R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_1R_4 + C_1C_5R_1R_5 + C_3C_4R_3R_4 + C_3C_5R_3R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3R_4R_5 + C_4C_5R_4R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_3R_4 + C_4C_5R_4R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_1C_4R_3R_4 + C_4C_5R_4R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_1R_3 + C_4C_5R_4R_5 + C_4C_5R_4R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_4R_5 + C_4C_5R_4R_5\right) + s^2\left(C_1C_3R_4R_5$

9.1885 X-INVALID-ORDER-1885 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_3R_4R_5R_6s^5 + s^4\left(C_1C_3C_4C_5R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_6 + C_1C_4C_5C_6R_1R_4R_5R_6 + C_3C_4C_5C_6R_3R_4R_5R_6\right) + s^3\left(C_1C_3C_4R_1R_3R_4 + C_1C_3C_5R_1R_3R_5 + C_1C_3C_6R_1R_3R_6 + C_1C_4C_5R_1R_4R_5 + C_1C_4C_6R_1R_4R_6 + C_1C_4C_5R_1R_4R_5 + C_1C_4C_5R$

9.1886 X-INVALID-ORDER-1886 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{C_{1}C_{3}C_{4}C_{5}R_{1}R_{3}R_{4}R_{5}R_{6}s^{4} + R_{6} + s^{3}\left(C_{1}C_{3}C_{4}C_{5}R_{1}R_{3}R_{4}R_{5}R_{6}s^{4} + R_{6} + s^{3}\left(C_{1}C_{3}C_{4}C_{6}R_{1}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{2}C_{3}C_{4}R_{1}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{2}C_{4}C_{6}R_{1}R_{4}R_{5}R_{6} + C_{1}C_{2}C_{4}C_{6}R_{3}R_{4}R_{5}R_{6} + C_{1$

9.1887 X-INVALID-ORDER-1887 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_3R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6\right)}{C_1C_2C_3R_1R_3R_4R_5s^3 + s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_4R_3R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

9.1888 X-INVALID-ORDER-1888 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3R_1R_3R_4s^2 + R_4 + s\left(C_1R_1R_4 + C_3R_3R_4\right)}{C_1C_2C_3C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1889 X-INVALID-ORDER-1889 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_6R_1R_3R_4R_6s^3 + R_4 + s^2\left(C_1C_3R_1R_3R_4 + C_1C_6R_1R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_3R_3R_4 + C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1890 X-INVALID-ORDER-1890 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_3R_1R_3R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6\right)$

 $\frac{C_1C_3C_6R_1R_3R_4R_5R_6s^4 + s^3\left(C_1C_2C_3R_1R_3R_4R_5 + C_1C_2C_6R_1R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6 + C_1C_4C_6R_3R_4R_5R_6 + C_1C_4C_6R_3R_4R_5R_6 + C_1C_4C_6R_3R_4R_5R_6 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4R_3R_4R_5 + C_1$

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9.1891 X-INVALID-ORDER-1891 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                  H(s) = \frac{C_1C_3C_5R_1R_3R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_3C_5R_3R_4\right)}{C_1C_2C_3C_6R_1R_3R_4s^3 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}
9.1892 X-INVALID-ORDER-1892 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                 H(s) = \frac{C_1C_3C_5C_6R_1R_3R_4R_6s^3 + C_5R_4 + s^2\left(C_1C_3C_5R_1R_3R_4 + C_1C_5C_6R_1R_4R_6 + C_3C_5C_6R_3R_4R_6\right) + s\left(C_1C_5R_1R_4 + C_3C_5R_3R_4 + C_5C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_3R_4s^3 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_2C_3C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}
9.1893 X-INVALID-ORDER-1893 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1C_2C_3C_6R_1R_3R_4R_6s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_6R_3R_4R_6 + C_1C_4C_6R_3R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R_4R_6 + C_1C_4C_6R
9.1894 X-INVALID-ORDER-1894 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1C_2C_3C_5R_1R_3R_4R_5s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_5R_3R_4 + C_1C_4R_3R_4 + C_1C_4R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R
9.1895 X-INVALID-ORDER-1895 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_3R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_3C_5R_3R_4\right)}{C_1C_2C_3C_5C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_3C_6R_1R_3R_4 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_3C_5C_6R_3R_4R_5 + C_1C_4C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 + C_1C_4C_6
9.1896 X-INVALID-ORDER-1896 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                              \frac{C_{1}C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}R_{6}s^{3}+C_{5}R_{4}+s^{2}\left(C_{1}C_{3}C_{5}R_{1}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}R_{6}\right)+s\left(C_{1}C_{5}R_{1}R_{4}+C_{3}C_{5}R_{3}R_{4}+C_{5}C_{6}R_{4}R_{6}\right)}{C_{1}C_{2}C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{1}R_{4}R_{5}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{3
9.1897 X-INVALID-ORDER-1897 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.1898 X-INVALID-ORDER-1898 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                         H(s) = \frac{C_1C_3C_5R_1R_3R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_3R_1R_3R_4R_6 + C_1C_5R_1R_4R_5R_6 + C_3C_5R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6 + C_5R_4R_5R_6\right)}{C_1C_2C_3R_1R_3R_4R_5s^3 + s^2\left(C_1C_2R_1R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_3R_4R_5 + C_2C_3R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}
9.1899 X-INVALID-ORDER-1899 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                 H(s) = \frac{C_1C_3C_5R_1R_3R_4R_5s^3 + R_4 + s^2\left(C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_3C_5R_3R_4R_5\right) + s\left(C_1R_1R_4 + C_3R_3R_4 + C_5R_4R_5\right)}{C_1C_2C_3C_6R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}
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 $H(s) = \frac{C_1C_3C_5C_6R_1R_3R_4R_5R_6s^4 + R_4 + s^3\left(C_1C_3C_5R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_6 + C_1C_5C_6R_1R_4R_5R_6 + C_3C_5C_6R_3R_4R_5 + C_1C_5R_1R_4R_5 + C_1C_6R_1R_4R_6 + C_3C_5R_3R_4R_5 + C_3C_6R_3R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_1R_1R_4 + C_3R_3R_4 + C_1C_5R_1R_4R_5 + C_1C_6R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_6R_3R_4R_5 + C_3C_6R_3R_4R_5$

9.1900 X-INVALID-ORDER-1900 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

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9.1901 X-INVALID-ORDER-1901 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)
H(s) = \frac{C_1C_3C_5R_1R_3R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_3R_1R_3R_4R_6 + C_1C_5R_1R_4R_5R_6 + C_3C_5R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_6 + C_1C_2C_3R_1R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_3R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6 + C_1C_2C_3R_1R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6 + C_1C_2C_3R_1R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6\right) + s\left(C_1R_1R_4R_5R_6\right) + s\left(C_1R_1R_4R_
9.1902 X-INVALID-ORDER-1902 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6\right)
                                                                                                                                                                                                                    H(s) = \frac{C_1C_2R_1R_2R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6\right)}{s^2\left(C_1C_2R_1R_4R_5 - C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}
9.1903 X-INVALID-ORDER-1903 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                       H(s) = \frac{C_1C_2R_1R_2R_4s^2 + R_4 + s\left(C_1R_1R_4 + C_2R_2R_4\right)}{s^3\left(C_1C_2C_6R_1R_4R_5 - C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}
9.1904 X-INVALID-ORDER-1904 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                     H(s) = \frac{C_1C_2C_6R_1R_2R_4R_6s^3 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_6R_1R_4R_6 + C_2C_6R_2R_4R_6\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_6R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_4R_5 - C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}
9.1905 X-INVALID-ORDER-1905 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2R_1R_2R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_4R_5R_6 - C_1C_2C_6R_2R_3R_4R_6 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_4R_5 - C_1C_2R_2R_3R_4 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 - C_1C_6R_3R_4R_6 + C_1C_6R_3R_4R_6 + C_1C_6R_4R_5R_6 + C_1C_6R_5R_5R_6 + C_1C_6R_5R_5R_6 + C_1C_6R_5R_5R_6 + C_1C_6R_5R_5R_6 + C_1C_6R_5R_5R_6 + C_1C_6R_5R_5R_6 + C_1C_6
9.1906 X-INVALID-ORDER-1906 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                              H(s) = \frac{C_1C_2C_5R_1R_2R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4\right)}{-C_1C_2C_5C_6R_2R_3R_4s^3 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}
9.1907 X-INVALID-ORDER-1907 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                             H(s) = \frac{C_1C_2C_5C_6R_1R_2R_4R_6s^3 + C_5R_4 + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_5C_6R_1R_4R_6 + C_2C_5C_6R_2R_4R_6\right) + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{-C_1C_2C_5C_6R_2R_3R_4s^3 + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}
9.1908 X-INVALID-ORDER-1908 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_5R_1R_2R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6\right)}{-C_1C_2C_5C_6R_2R_3R_4R_6s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(-C_1C_2C_5R_2R_3R_4 + C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_2R_4R_6 + C_1C_2C_6R_3R_4R_6\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_5R_3R_4 + C_1
9.1909 X-INVALID-ORDER-1909 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_1C_2C_5R_1R_2R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4\right)}{s^3\left(C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_5 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_2C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6R_3R_4 + C_1C_5C_5C_6$

 $H(s) = \frac{C_1C_2C_5C_6R_1R_2R_4R_6s^3 + C_5R_4 + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_5C_6R_1R_4R_6 + C_2C_5C_6R_2R_4R_6\right) + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{s^3\left(C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_5 + C_1C_2C_5C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_5 + C_1C_5C_6R_4R_5\right) + s\left(C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_4R_5\right) + s\left(C_1C_5C_6R_3R_4 + C_1C_5C_6R_3R_4 + C$

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9.1911 X-INVALID-ORDER-1911 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{C_1C_2C_5R_1R_4}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_5C_6R_1R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_4R_6 + C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_2C_5C_6R_2R_4R_5R_6 + C_1C_2C_5C_6R_2R_4R_5R_6 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_5R_3R_4R_5 + C_1C_2C_5R_3R_5 + C_1C_2C_5R_5R_5R_5 + C_1C_2C_5R_5R_5R_5 + C_1C_2C_5R_5R_5R_5 + C_1C_2C_5R_5R_5R_5 + C_1C_2C_5R_5R_5R_5 + C_1$

9.1912 X-INVALID-ORDER-1912 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_2C_5R_1R_2R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_2R_1R_2R_4R_6 + C_1C_5R_1R_4R_5R_6 + C_2C_5R_2R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6 + C_5R_4R_5R_6\right)}{-C_1C_2C_5R_2R_3R_4R_5s^3 + s^2\left(C_1C_2R_1R_4R_5 - C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 - C_1C_5R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

9.1913 X-INVALID-ORDER-1913 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_5R_1R_2R_4R_5s^3 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_5R_1R_4R_5 + C_2C_5R_2R_4R_5\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_5R_4R_5\right)}{-C_1C_2C_5C_6R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 - C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 - C_1C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1914 X-INVALID-ORDER-1914 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_5C_6R_1R_2R_4R_5R_6s^4 + R_4 + s^3\left(C_1C_2C_5R_1R_2R_4R_5 + C_1C_2C_6R_1R_2R_4R_6 + C_2C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_5R_1R_4R_5 + C_1C_6R_1R_4R_6 + C_2C_5R_2R_4R_5 + C_2C_6R_2R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_1C_5R_1R_4R_5 + C_1C_5R_1R_4R_5 + C_1C_5R_1R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_2R_$

9.1915 X-INVALID-ORDER-1915 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_2C_5R_1R_2R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_2R_1R_2R_4R_6 + C_1C_5R_1R_4R_5R_6 + C_2C_5R_2R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6\right)}{-C_1C_2C_5C_6R_2R_3R_4R_5R_6s^4 + s^3\left(-C_1C_2C_5R_2R_3R_4R_5 + C_1C_2C_6R_2R_3R_4R_5 + C_1C_2C_6R_2R_3R_4R_5R_6 + C_1C_2C_6R_2R_3R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_4R_5 - C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_3R_4R_5R_6\right)}$

9.1916 X-INVALID-ORDER-1916 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_2R_1R_2R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_2R_2R_6\right)}{C_1C_2C_4R_2R_3R_5s^3 + s^2\left(C_1C_2R_1R_5 - C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$

9.1917 X-INVALID-ORDER-1917 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2R_1R_2s^2 + s\left(C_1R_1 + C_2R_2\right) + 1}{C_1C_2C_4C_6R_2R_3R_5s^4 + s^3\left(C_1C_2C_6R_1R_5 - C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$

9.1918 X-INVALID-ORDER-1918 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_6R_1R_2R_6s^3 + s^2\left(C_1C_2R_1R_2 + C_1C_6R_1R_6 + C_2C_6R_2R_6\right) + s\left(C_1R_1 + C_2R_2 + C_6R_6\right) + 1}{C_1C_2C_4C_6R_2R_3R_5s^4 + s^3\left(C_1C_2C_6R_1R_5 - C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}$

9.1919 X-INVALID-ORDER-1919 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_2R_1R_2R_6s^2 + R_6 + s\left(C_1R_1R_6 + C_2R_2R_6\right)}{C_1C_2C_4C_6R_2R_3R_5R_6s^4 + s^3\left(C_1C_2C_4R_2R_3R_5 + C_1C_2C_6R_1R_5R_6 - C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_2R_5R_6 + C_1C_2C_6R_3R_5R_6\right) + s^2\left(C_1C_2R_1R_5 - C_1C_2R_2R_3 + C_1C_2R_3R_5 + C_1C_4R_3R_5 - C_1C_6R_3R_6 + C_1C_6R_5R_6 + C_2C_6R_5R_6\right)}$

9.1920 X-INVALID-ORDER-1920 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_5R_1R_2s^2 + C_5 + s\left(C_1C_5R_1 + C_2C_5R_2\right)}{s^3\left(C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}$

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9.1921 X-INVALID-ORDER-1921 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                  H(s) = \frac{C_1C_2C_5C_6R_1R_2R_6s^3 + C_5 + s^2\left(C_1C_2C_5R_1R_2 + C_1C_5C_6R_1R_6 + C_2C_5C_6R_2R_6\right) + s\left(C_1C_5R_1 + C_2C_5R_2 + C_5C_6R_6\right)}{s^3\left(C_1C_2C_4C_6R_2R_3 - C_1C_2C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3\right) + s\left(C_1C_6 + C_2C_6\right)}
9.1922 X-INVALID-ORDER-1922 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_5R_1R_2R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_4C_6R_2R_3R_6 - C_1C_2C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3 + C_1C_2C_6R_1R_6 + C_1C_2C_6R_3R_6 + C_1C_4C_6R_3R_6 - C_1C_5C_6R_3R_6\right) + s\left(C_1C_2R_1 + C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_6R_6 + C_2C_6R_6\right)}
9.1923 X-INVALID-ORDER-1923 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                         H(s) = \frac{C_1C_2C_5R_1R_2R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_6\right)}{C_1C_2C_4C_5R_2R_3R_5s^3 + C_1 + C_2 + s^2\left(C_1C_2C_4R_2R_3 + C_1C_2C_5R_1R_5 - C_1C_2C_5R_2R_3 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_3R_5 + C_1C_4C_5R_3R_5\right) + s\left(C_1C_2R_1 + C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3 + C_1C_5R_5 + C_2C_5R_5\right)}
9.1924 X-INVALID-ORDER-1924 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_5R_1R_2s^2 + C_5 + s\left(C_1C_5R_1 + C_2C_5R_2\right)}{C_1C_2C_4C_5C_6R_2R_3R_5s^4 + s^3\left(C_1C_2C_4C_6R_2R_3 + C_1C_2C_5C_6R_1R_5 - C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_6R_3 + C_1C_4C_6R_3 + C_1C_5C_6R_3 + C_1C
9.1925 X-INVALID-ORDER-1925 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_5C_6R_1R_2R_6s^3 + C_5 + s^2\left(C_1C_2C_5R_1R_2 + C_1C_5C_6R_1R_6 + C_2C_5C_6R_2R_6\right) + s\left(C_1C_5R_1 + C_2C_5R_2 + C_5C_6R_6\right)}{C_1C_2C_4C_5C_6R_2R_3R_5s^4 + s^3\left(C_1C_2C_4C_6R_2R_3 + C_1C_2C_5C_6R_1R_5 - C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_3 + C_1C_4C_6R_3 - C_1C_5C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5\right) + s^2\left(C_1C_2C_6R_3 + C_1C_4C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_5\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_3\right) + s\left(C_1C_5C_6R_3\right) + s\left(C_1C_5C_
9.1926 X-INVALID-ORDER-1926 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.1927 X-INVALID-ORDER-1927 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                        H(s) = \frac{C_1C_2C_5R_1R_2R_5R_6s^3 + R_6 + s^2\left(C_1C_2R_1R_2R_6 + C_1C_5R_1R_5R_6 + C_2C_5R_2R_5R_6\right) + s\left(C_1R_1R_6 + C_2R_2R_6 + C_5R_5R_6\right)}{s^3\left(C_1C_2C_4R_2R_3R_5 - C_1C_2C_5R_2R_3R_5\right) + s^2\left(C_1C_2R_1R_5 - C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_5 - C_1C_5R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}
9.1928 X-INVALID-ORDER-1928 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                        H(s) = \frac{C_1C_2C_5R_1R_2R_5s^3 + s^2\left(C_1C_2R_1R_2 + C_1C_5R_1R_5 + C_2C_5R_2R_5\right) + s\left(C_1R_1 + C_2R_2 + C_5R_5\right) + 1}{s^4\left(C_1C_2C_4C_6R_2R_3R_5 - C_1C_2C_5C_6R_2R_3R_5\right) + s^3\left(C_1C_2C_6R_1R_5 - C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5 - C_1C_5C_6R_3R_5\right) + s^2\left(-C_1C_6R_3 + C_1C_6R_5 + C_2C_6R_5\right)}
9.1929 X-INVALID-ORDER-1929 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                             H(s) = \frac{C_1C_2C_5C_6R_1R_2R_5R_6s^4 + s^3\left(C_1C_2C_5R_1R_2R_5 + C_1C_2C_6R_1R_2R_6 + C_1C_5C_6R_1R_5R_6 + C_2C_5C_6R_2R_5R_6\right) + s^2\left(C_1C_2R_1R_2 + C_1C_5R_1R_5 + C_1C_6R_1R_6 + C_2C_5R_2R_5 + C_2C_6R_2R_6 + C_5C_6R_2R_6\right) + s\left(C_1R_1 + C_2R_2 + C_5R_5 + C_6R_6\right) + s\left(C_1R_1 + C_2R_2 + C_5R_5 + C_6R_5\right) + s\left(C_1R_1 + C_2R_2 + C_5R_5 + C_6R_5\right) + s\left(C_1R_1 + C_2R_2 + C_5R_5 + C_6R_5\right) + s\left(C_1R_1 + C_2R_2 + C_5R_5\right) + s\left(C_1R_
9.1930 X-INVALID-ORDER-1930 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_1C_2C_5R_1R_2R_5R_6s^3 + R_6 + s^2\left(C_1C_2R_1R_2R_6 + C_1C_5R_1R_5R_6 + C_2C_5R_2R_5R_6\right) + s\left(C_1R_1R_6 + C_2R_2R_6 + C_5R_5R_6\right)}{s^4\left(C_1C_2C_4C_6R_2R_3R_5R_6 - C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_2R_3R_5 + C_1C_2C_6R_2R_3R_5 +$

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H(s) = \frac{C_1C_2C_4R_1R_2R_4R_6s^3 + R_6 + s^2\left(C_1C_2R_1R_2R_6 + C_1C_4R_1R_4R_6 + C_2C_4R_2R_4R_6\right) + s\left(C_1R_1R_6 + C_2R_2R_6 + C_4R_4R_6\right)}{s^3\left(C_1C_2C_4R_1R_4R_5 - C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_2R_4R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_2R_4R_3R_4 + C_1C_2R_2R_5 + C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_4R_5 + C_2C_4R_4R_5\right) + s\left(C_1R_1R_6 + C_2R_2R_6 + C_4R_4R_6\right)}{s^3\left(C_1C_2C_4R_1R_4R_5 - C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_2R_4R_3R_4 + C_1C_2C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_3R_4 + C_1C_4R_3R_5 + C_1C_4R_5 
9.1932 X-INVALID-ORDER-1932 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_4R_1R_2R_4s^3 + s^2\left(C_1C_2R_1R_2 + C_1C_4R_1R_4 + C_2C_4R_2R_4\right) + s\left(C_1R_1 + C_2R_2 + C_4R_4\right) + 1}{s^4\left(C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_4R_5 + S_2C_4C_6R_4R_5 + S_2C_4C_6R_
9.1933 X-INVALID-ORDER-1933 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_4C_6R_1R_2R_4R_6s^4 + s^3\left(C_1C_2C_4R_1R_2R_4 + C_1C_2C_6R_1R_2R_6 + C_1C_4C_6R_1R_4R_6 + C_2C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2 + C_1C_4R_1R_4 + C_1C_6R_1R_6 + C_2C_4R_2R_4 + C_2C_6R_2R_6 + C_4C_6R_4R_6\right) + s\left(C_1R_1 + C_2R_2 + C_4R_4 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_4C_6R_1R_4R_5 - C_1C_2C_4C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_5 - C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 - C_1C_4C_6R_3R_4 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_4R_5\right) + s^2\left(C_1C_2R_1R_4 + C_1C_4R_1R_4 + C_1C_
9.1934 X-INVALID-ORDER-1934 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                           \frac{C_1C_2C_4R_1R_2R_4R_6s^5 + R_6 + s}{s^4\left(C_1C_2C_4C_6R_2R_3R_4R_6 + C_1C_2C_4C_6R_2R_3R_5R_6 + C_1C_2C_4C_6R_2R_4R_5R_6 + C_1C_2C_4C_6R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_4R_5 - C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_3R_5 + C_1C_2C_4R_3R_4R_5 + C_1C_2C_4R_3R_4R_
9.1935 X-INVALID-ORDER-1935 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                      H(s) = \frac{C_1C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_6 + s^2\left(C_1C_2C_5R_1R_2R_6 + C_1C_4C_5R_1R_4R_6 + C_2C_4C_5R_2R_4R_6\right) + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_6 + C_4C_5R_4R_6\right)}{-C_1C_2C_4C_5R_2R_3R_4s^3 + C_1 + C_2 + s^2\left(C_1C_2C_4R_1R_4 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_3R_4 - C_1C_2C_5R_2R_3 - C_1C_4C_5R_3R_4\right) + s\left(C_1C_2R_1 + C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_4R_4\right)}
9.1936 X-INVALID-ORDER-1936 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                           \frac{C_{1}C_{2}C_{4}C_{5}R_{1}R_{2}R_{4}s^{3}+C_{5}+s^{2}\left(C_{1}C_{2}C_{5}R_{1}R_{2}+C_{1}C_{4}C_{5}R_{2}R_{4}\right)+s\left(C_{1}C_{5}R_{1}+C_{2}C_{5}R_{2}+C_{4}C_{5}R_{4}\right)}{-C_{1}C_{2}C_{4}C_{5}R_{2}R_{3}+c_{1}C_{2}C_{4}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{4}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}-C_{1}C_{4}C_{5}C_{6}R_{3}R_{4})+s^{2}\left(C_{1}C_{2}C_{6}R_{1}+C_{1}C_{2}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}R_{3}+C_{1}C_{4}C_{6}
9.1937 X-INVALID-ORDER-1937 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_4C_5C_6R_1R_2R_4R_6s^4 + C_5 + s^3\left(C_1C_2C_4C_5R_1R_2R_4 + C_1C_2C_5C_6R_1R_2R_6 + C_1C_4C_5C_6R_1R_4R_6 + C_2C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_5R_1R_2 + C_1C_4C_5R_1R_4 + C_1C_5C_6R_1R_6 + C_2C_4C_5R_2R_4 + C_2C_5C_6R_2R_6 + C_4C_5C_6R_4R_6\right) + s\left(C_1C_5R_1 + C_2C_5C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_
9.1938 X-INVALID-ORDER-1938 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_6 + s^2(C_1C_2C_5R_1R_2R_6 + C_1C_4C_5R_1
H(s) = \frac{C_1C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_6 + s^2\left(C_1C_2C_5R_1R_2R_6 + C_1C_4C_5R_1R_2R_4R_6s^3 + C_5R_6 + s^2\left(C_1C_2C_5R_1R_2R_6 + C_1C_4C_5R_1R_4R_6 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_3R_6 + C_1C_4C_5C_4C_6R_2R_3R_6 + C_1C_4C_5C_4C_6R_2R_4R_6 + C_1C_4C_5C_4C_6R_2R_4R_6 + C_1C_4C_5C_4C_6R_2R_4R_6 + C_1C_4C_5C_4C_6R_2R_4R_6 + C_1C_4C_5C_4C_6R_2R_4R_6 + C_1C_4C_5C_4C_6R_4R_4R_6 + C_1C_4C_5C_4C_6R_4R_4
9.1939 X-INVALID-ORDER-1939 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_6 + s^2\left(C_1C_2C_5R_1R_2R_6 + C_1C_4C_5R_1R_4R_6 + C_2C_4C_5R_2R_4R_6\right) + s\left(C_1C_5R_1R_6 + C_2C_4C_5R_2R_4R_5 + C_1C_2C_4C_5R_2R_4R_5 + C_1C_2C_4C_5R_2R_4R_5 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_2R_4 + C_1C_2C_4R_2R_4 + C_1C_2C_5R_2R_3 + C_1C_2C_5R_2R_3 + C_1C_2C_5R_2R_5 + C_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.1940 X-INVALID-ORDER-1940 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_1C_2C_4C_5R_1R_2R_4s^3 + C_5 + s^2(C_1C_2C_5R_1R_2 + C_1C_4C_5R_1R_4 + C_1C_4C_5R_1R_4)
                                           \frac{s^4 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_4 R_5 - C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_5 C_6
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9.1931 X-INVALID-ORDER-1931 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

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9.1941 X-INVALID-ORDER-1941 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
 H(s) = \frac{C_1C_2C_4C_5C_6R_1R_2R_4R_6s^4 + C_5 + s^3\left(C_1C_2C_4C_5R_1R_2R_4 + C_1C_2C_5C_6R_1R_2R_6 + C_1C_4C_5C_6R_1R_4R_6 + C_2C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_2C_4C_5C_6R_2R_4R_6 + C_1C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_5R_1R_4R_5 - C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5R_1R_4R_5 - C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5R_1R_4R_5 - C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_2C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_2C_4C_5C_6R_2R_4R_5\right) + s^3\left(C_1C_4C_5C_6R_2R_4R_5\right) + 
 9.1942 X-INVALID-ORDER-1942 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
 H(s) = \frac{1}{C_1 + C_2 + s^4 \left( C_1 C_2 C_4 C_5 C_6 R_1 R_4 R_5 R_6 - C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 - C_1 C_2 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 - C_1 C_2 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 - C_1 C_2 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 - C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 - C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_1 R_4 R_5 - C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 R_6 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_3 R_4 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_3 R_4 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_3 R_4 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_3 R_4 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_3 R_4 + C_1 C_2 C_4 C_5 R_4 R_5 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_5 R_5 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_5 R_5 R_5 + C_1 C_2 C_4 C_5 R_5 R_5 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_5 R_5 R_5 + C_1 C_2 C_4 C_5 R_5 R_5 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_5 R_5 R_5 + C_1 C_2 C_4 C_5 R_5 R_5 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_5 R_5 R_5 R_5 + C_1 C_5 R_5 R_5 R_5 \right) \\ + s^3 \left( C_1 C_2 C_4 C_5 R_5 R_5 R_5 \right) \\ + 
 9.1943 X-INVALID-ORDER-1943 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_1C_2C_4C_5R_1R_2R_4R_5R_6s^4 + R_6 + s^3\left(C_1C_2C_4R_1R_2R_4R_6 + C_1C_4C_5R_1R_4R_5R_6 + C_2C_4C_5R_2R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_2R_6 + C_1C_4R_1R_4R_6 + C_1C_5R_1R_5R_6 + C_2C_4R_2R_4R_6 + C_2C_5R_2R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1C_2C_4C_5R_2R_4R_5R_6 + C_4C_5R_4R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1C_2R_1R_2R_6 + C_1C_4R_1R_4R_6 + C_1C_5R_1R_5R_6 + C_2C_4R_2R_4R_6 + C_2C_5R_2R_5R_6 + C_4C_5R_4R_5R_6\right) + s\left(C_1C_2C_4R_3R_4R_5s^4 + s^3\left(C_1C_2C_4R_1R_4R_5 - C_1C_2C_4R_2R_3R_4 + C_1C_2C_4R_2R_4R_5 + C_1C_2C_4R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_5 - C_1C_2R_2R_3 + C_1C_2R_3R_5 + C_1C_4R_3R_5 + C_1C_4R_3R_4 + C_1C_4R_3R_4
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9.1944 X-INVALID-ORDER-1944 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

9.1945 X-INVALID-ORDER-1945 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_4C_5C_6R_1R_2R_4R_5R_6s^5 + s^4\left(C_1C_2C_4C_5R_1R_2R_4R_5 + C_1C_2C_4C_6R_1R_2R_4R_6 + C_1C_4C_5C_6R_1R_4R_5R_6 + C_2C_4C_5C_6R_2R_4R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_4 + C_1C_2C_5R_1R_2R_5 + C_1C_2C_6R_1R_2R_6 + C_1C_4C_5R_1R_4R_5 + C_1C_4C_6R_1R_4R_6 + C_1C_4C_5R_1R_4R_5 + C_1C_4C_5R$

9.1946 X-INVALID-ORDER-1946 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_2C_4C_5R_1R_2R_4R_5R_5$

 $\frac{C_1C_2C_4C_5R_1R_2R_4R_5}{-C_1C_2C_4C_5R_2R_3R_4R_5R_6s^5 + s^4\left(-C_1C_2C_4C_5R_2R_3R_4R_5 + C_1C_2C_4C_6R_1R_4R_5R_6 - C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_4R_5R_6 + C_1C_2C_4C_6R_2R_4R_5R_6 + C_1C_2C_4C_6R_2R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_4R_5R_6 - C_1C_4C_5C_6R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_2R_4R_5R_6 + C_1C_2C_4C_6R_4R_5R_5R_6 + C_1C_2C_4C_6R_4R_5R_5R_5 + C_1C_2C_4C_6R_4R_5R_5R_5 + C_1C_2C_4C_6R_5R_5R_$

9.1947 X-INVALID-ORDER-1947 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_2R_1R_2R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6\right)}{C_1C_2C_4R_2R_3R_4R_5s^3 + s^2\left(C_1C_2R_1R_4R_5 - C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_4R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}$

9.1948 X-INVALID-ORDER-1948 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2R_1R_2R_4s^2 + R_4 + s\left(C_1R_1R_4 + C_2R_2R_4\right)}{C_1C_2C_4C_6R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 - C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1949 X-INVALID-ORDER-1949 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_6R_1R_2R_4R_6s^3 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_6R_1R_4R_6 + C_2C_6R_2R_4R_6\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_6R_4R_6\right)}{C_1C_2C_4C_6R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_4R_5 - C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_3R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}$

9.1950 X-INVALID-ORDER-1950 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_2R_1R_2R_4R_6s^2 + R_4R_6 + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6\right)$

 $\frac{C_1C_2R_1R_2R_4R_6+c_1C_2C_6R_2R_3R_4R_5+c_1C_2R_4R_6+c_1C_2R_2R_4R_6+c_1C_2C_6R_2R_3R_4R_6+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2R_4R_5+c_1C_2C_6R_2$

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9.1951 X-INVALID-ORDER-1951 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                           H(s) = \frac{C_1C_2C_5R_1R_2R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4\right)}{s^3\left(C_1C_2C_4C_6R_2R_3R_4 - C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4\right)}
9.1952 X-INVALID-ORDER-1952 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                          H(s) = \frac{C_1C_2C_5C_6R_1R_2R_4R_6s^3 + C_5R_4 + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_5C_6R_1R_4R_6 + C_2C_5C_6R_2R_4R_6\right) + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{s^3\left(C_1C_2C_4C_6R_2R_3R_4 - C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_3R_4 + C_1C_4C_6R_3R_4 - C_1C_5C_6R_3R_4\right) + s\left(C_1C_6R_3 + C_1C_6R_4 + C_2C_6R_4R_6\right)}
9.1953 X-INVALID-ORDER-1953 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_5R_1R_2R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_4C_6R_2R_3R_4R_6 - C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_6R_2R_3R_6 + C_1C_2C_6R_2R_3R_4R_6 + C_1C_2C_6R_3R_4R_6 + C_1C_2C_4R_4R_6 + C
9.1954 X-INVALID-ORDER-1954 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_2C_5R_1R_2R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6\right)}{C_1C_2C_4C_5R_2R_3R_4R_5s^3 + C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_4R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_5R_3R_4R_5 + C_1C_2C_5R_3R_4R_5\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_2R_
9.1955 X-INVALID-ORDER-1955 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_5R_1R_2R_4s^2 + C_5R_4 + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4\right)}{C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_5 + C_1C_2C_5C_6R_2R_3R_5 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4
9.1956 X-INVALID-ORDER-1956 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_5C_6R_1R_2R_4R_6s^3 + C_5R_4 + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_5C_6R_1R_4R_6 + C_2C_5C_6R_2R_4R_6\right) + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4 + C_5C_6R_4R_6\right)}{C_1C_2C_4C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_2C_5C_6R_3R_4 + C_1C_
9.1957 X-INVALID-ORDER-1957 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_2C_4C_5C_6R_2R_3R_4R_5R_6s^4 + C_1R_3 + C_1R_4 + C_2R_4 + s^3\left(C_1C_2C_4C_5R_2R_3R_4R_6 + C_1C_2C_5C_6R_1R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_4R_6 + C_1C_2C_5C_6R_3R_4R_6 + C_1C_2C_5C_6R_3R_4R_6 + C_1C_2C_5C_6R_3R_4R_6 + C_1C_2C_5C_6R_3R_4R_5R_6 + C_1C_2C_5C_6R_3R_4R_5R_6 + C_1C_2C_5C_6R_3R_4R_5R_6 + C_1C_2C_5C_6R_3R_4R_5R_6 + C_1C_2C_5C_6R_3R_4R_5R_6 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_2C_5C_6R_3R_4R_5R_5 + C_1C_2C_5C_6R_3R_4R_5R_5 + C_1C_2C_5C_6R_3R_4R_5R_5 + C_1C_2C_5C_6R_3R_4R_5 + C_1C_2C_
9.1958 X-INVALID-ORDER-1958 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                           H(s) = \frac{C_1C_2C_5R_1R_2R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_2R_1R_2R_4R_6 + C_1C_5R_1R_4R_5R_6 + C_2C_5R_2R_4R_5R_6\right) + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6 + C_5R_4R_5R_6\right)}{s^3\left(C_1C_2C_4R_2R_3R_4R_5 - C_1C_2C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_4R_5 - C_1C_2R_2R_3R_4 + C_1C_2R_2R_3R_5 + C_1C_2R_2R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_4R_3R_4R_5 - C_1C_5R_3R_4R_5\right) + s\left(-C_1R_3R_4 + C_1R_3R_5 + C_1R_4R_5 + C_2R_4R_5\right)}
9.1959 X-INVALID-ORDER-1959 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_5R_1R_2R_4R_5s^3 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_5R_1R_4R_5 + C_2C_5R_2R_4R_5\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_5R_4R_5\right)}{s^4\left(C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_2C_5C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_4R_5 - C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_2C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_3R_4 + C_1C_6R_3R_5 + C_1C_6R_4R_5 + C_2C_6R_4R_5\right)}
9.1960 X-INVALID-ORDER-1960 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_5C_6R_1R_2R_4R_5R_6s^4 + R_4 + s^3\left(C_1C_2C_5R_1R_2R_4R_5 + C_1C_2C_6R_1R_2R_4R_6 + C_2C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_5R_1R_4R_5 + C_1C_6R_1R_4R_6 + C_2C_5R_2R_4R_5 + C_2C_6R_2R_4R_6 + C_5C_6R_4R_5R_6\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_1C_5R_1R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_2R_4R_5 + C_2C_6R_2R_4R_5 + C_2C_6R_2R_
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9.1961 X-INVALID-ORDER-1961 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_5R_1R_2R_4R_5R_6s^3 + R_4R_6 + s^2\left(C_1C_2R_1R_2R_4R_6 + C_1C_5R_1R_4R_5R_6 + C_2C_6R_2R_3R_4R_5R_6 + C_1C_2C_6R_2R_3R_4R_5R_6 + C_1C_2C_6R_3R_4R_5R_6 + C_1C_2C_6R_3R_4R_5 + C_1C_2C_6R_3R_4R_5R_6 + C_1C_2C_6R_3R_4R_5 +
9.1962 X-INVALID-ORDER-1962 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                              H(s) = \frac{C_1C_2C_3R_1R_2R_4s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.1963 X-INVALID-ORDER-1963 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                              H(s) = \frac{C_1C_2C_3C_6R_1R_2R_4R_6s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.1964 X-INVALID-ORDER-1964 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
9.1965 X-INVALID-ORDER-1965 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                               H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_2R_4 - C_1C_2C_5R_2R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4\right)}
9.1966 X-INVALID-ORDER-1966 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                              H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_4 + s^2\left(C_1C_2C_3C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_4R_6 + C_2C_3C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_2R_4 - C_1C_2C_5C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}
9.1967 X-INVALID-ORDER-1967 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4, \ \frac{1}{C_5 s}, \ \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^3\left(C_1C_2C_3C_6R_1R_4R_6 + C_1C_2C_3C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_5R_2R_4 + C_1C_2C_6R_2R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_2C_3C_6R_4R_6\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 + C_1C_2C_5R_2R_4 + C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6\right) + s\left(C_1C_2R_2 + C_1C_3R_4 + C_1C_3R_4 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6\right) + s\left(C_1C_3R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6
9.1968 X-INVALID-ORDER-1968 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                   H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^3\left(C_1C_2C_3C_5R_1R_4R_5 + C_1C_2C_3C_5R_2R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_1C_5R_5 + C_2C_3R_4\right)}
9.1969 X-INVALID-ORDER-1969 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_4R_5 + C_1C_2C_3C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_5C_6R_4R_5\right) + s\left(C_1C_3C_
9.1970 X-INVALID-ORDER-1970 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_4 + s^2\left(C_1C_2C_3C_5R_1R_2R_4 + C_1C_3C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_4R_5 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_4R_5\right) + s\left(C_1C_3C_5R_4R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_2C_5C_6R_4R_5\right) + s\left(C_1C_3C_5R_4R_5 + C_1C_2C_5C_6R_4R_5 + C_1C_
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9.1971 X-INVALID-ORDER-1971 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_1}{C_1 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_5 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_4 R_5 + C_1 C_2 C_3 C_5 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_4 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_5 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C_5 C_5 R_5 R_5 R_5 \right) + s^3 \left(C_1 C_2 C$

9.1972 X-INVALID-ORDER-1972 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_4R_6 + s^2\left(C_1C_2C_3R_1R_2R_4R_6 + C_1C_3C_5R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_2R_4R_5 - C_1C_2C_5R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$

9.1973 X-INVALID-ORDER-1973 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4 + C_3C_5R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}$

9.1974 X-INVALID-ORDER-1974 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_5R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_2C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_2C_3R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_5R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_5R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5\right) + s$

9.1975 X-INVALID-ORDER-1975 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_4R_6 + s^2\left(C_1C_2C_3R_1R_2R_4R_6 + C_1C_3C_5R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6 + C_2C_3R_2R_4R_6\right) + s\left(C_1C_3C_3R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3C_3R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_3R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_1C_2C_3R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_1C_3C_3R_2R_4R_5\right) + s\left(C_1C_3C_3R_1R_4R_5 + C_1C_3C_3R_4R_5\right) + s\left(C_1C_3C_3R_4R_5\right) + s\left(C_1C_3C_3R_4R$

9.1976 X-INVALID-ORDER-1976 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3R_1R_2s^2 + C_3 + s\left(C_1C_3R_1 + C_2C_3R_2\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$

9.1977 X-INVALID-ORDER-1977 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_6R_1R_2R_6s^3 + C_3 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_6R_1R_6 + C_2C_3C_6R_2R_6\right) + s\left(C_1C_3R_1 + C_2C_3R_2 + C_3C_6R_6\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}$

9.1978 X-INVALID-ORDER-1978 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{1}{C_4 s}, \ R_5, \ \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_2C_3R_1R_2R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_6R_1R_5R_6 + C_1C_2C_3C_6R_2R_5R_6 + C_1C_2C_4R_2R_5 + C_1C_2C_4R_2R_5 + C_1C_2C_4R_2R_5 - C_1C_2C_6R_2R_6 + C_1C_2C_6R_5R_6 + C_1C_4C_6R_5R_6 +$

9.1979 X-INVALID-ORDER-1979 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_3R_1 + C_1C_2C_3R_2 + C_1C_2C_4R_2 - C_1C_2C_5R_2\right)}$

9.1980 X-INVALID-ORDER-1980 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2s^2 + C_3C_5 + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2\right)}{s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}$

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9.1981 X-INVALID-ORDER-1981 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                        H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_6s^3 + C_3C_5 + s^2\left(C_1C_2C_3C_5R_1R_2 + C_1C_3C_5C_6R_1R_6 + C_2C_3C_5C_6R_2R_6\right) + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2 + C_3C_5C_6R_6\right)}{s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.1982 X-INVALID-ORDER-1982 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2s^2 + C_3C_5 + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2\right)}{s^3\left(C_1C_2C_3C_5C_6R_1R_5 + C_1C_2C_3C_5C_6R_2 + C_1C_2C_3C_6R_2 + C_1C_2C_5C_6R_2 + C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C
9.1983 X-INVALID-ORDER-1983 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_6s^3 + C_3C_5 + s^2\left(C_1C_2C_3C_5R_1R_2 + C_1C_3C_5C_6R_1R_6 + C_2C_3C_5C_6R_2R_6\right) + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2 + C_3C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_5C_6R_1R_5 + C_1C_2C_3C_5C_6R_2 + C_1C_2C_3C_6R_2 + C_1C_2C_5C_6R_2 + C_1C_2C_5C_6R_5 + C_1C_3C_5C_6R_5 + C_1C_3C_5C_5C_6R_5 + C_1C_3C_5C_5C_6R_5 + C_1C_3C_5C_5C_6R_5 + 
9.1984 X-INVALID-ORDER-1984 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(\frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(\frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_1C_2C_3C_5R_1R_5 + C_1C_2C_3
9.1985 X-INVALID-ORDER-1985 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                                                                      H(s) = \frac{C_1C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_6 + s^2\left(C_1C_2C_3R_1R_2R_6 + C_1C_3C_5R_1R_5R_6 + C_2C_3C_5R_2R_5R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_3R_2R_5 + C_1C_2C_4R_2R_5 - C_1C_2C_5R_2R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}
9.1986 X-INVALID-ORDER-1986 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                H(s) = \frac{C_1C_2C_3C_5R_1R_2R_5s^3 + C_3 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_5R_1R_5 + C_2C_3C_5R_2R_5\right) + s\left(C_1C_3R_1 + C_2C_3R_2 + C_3C_5R_5\right)}{-C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_5C_6R_2R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5\right)}
9.1987 X-INVALID-ORDER-1987 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_5R_6s^4 + C_3 + s^3\left(C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_3C_6R_1R_2R_6 + C_1C_3C_5C_6R_1R_5R_6 + C_2C_3C_5C_6R_2R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_5 + C_2C_3C_6R_2R_6 + C_3C_5C_6R_2R_6\right) + s\left(C_1C_3R_1 + C_2C_3R_2 + C_3C_5R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_6 + C_3C_5C_6R_2R_5\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_5R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_5 + C
9.1988 X-INVALID-ORDER-1988 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_6 + s^2\left(C_1C_2C_3R_1R_2R_6 + C_1C_3C_5R_1R_5R_6 + C_2C_3C_5R_2R_5R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_6R_1R_5R_6 + C_1C_2C_3C_6R_2R_5R_6 + C_1C_2C_5C_6R_2R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_3R_2R_5 + C_1C_2C_6R_2R_6 + C_1C_2C_6R_5R_6 + C_1C_3C_6R_5R_6 + C_1C
9.1989 X-INVALID-ORDER-1989 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
               H(s) = \frac{C_1C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_6 + s^2\left(C_1C_2C_3R_1R_2R_6 + C_1C_3C_4R_1R_4R_6 + C_2C_3C_4R_2R_4R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6 + C_3C_4R_4R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_4R_1R_4R_5 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_4R_2R_5 + C_1C_2C_4R_2R_5 + C_1C_2C_4R_4R_5 + C_1C_3C_4R_4R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 + C_2C_3R_5\right)}
9.1990 X-INVALID-ORDER-1990 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                    \frac{C_{1}C_{2}C_{3}C_{4}R_{1}R_{2}R_{4}s^{3}+C_{3}+s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{2}+C_{1}C_{3}C_{4}R_{1}R_{4}+C_{2}C_{3}C_{4}R_{2}R_{4}\right)+s\left(C_{1}C_{3}R_{1}+C_{2}C_{3}R_{2}+C_{3}C_{4}R_{4}\right)}{-C_{1}C_{6}s+s^{4}\left(C_{1}C_{2}C_{3}C_{4}C_{6}R_{1}R_{4}F_{5}+C_{1}C_{2}C_{3}C_{6}R_{1}R_{5}+C_{1}C_{2}C_{3}C_{6}R_{2}R_{5}-C_{1}C_{2}C_{4}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{4}C_{6}R_{2}R_{5}+C_{1}C_{2}C_{4}C_{6}R_{4}R_{5}+C_{2}C_{3}C_{4}C_{6}R_{4}R_{5}+C_{2}C_{3}C_{4}C_{6}R_{4}R_{5}\right)+s^{2}\left(-C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_{6}R_{5}+C_{1}C_{2}C_
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9.1991 X-INVALID-ORDER-1991 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ R_5, \ R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_6 s^4 + C_3 + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_3 C_4 C_6 R_1 R_4 R_6 + C_2 C_3 C_4 C_6 R_2 R_4 R_6\right) + s^2 \left(C_1 C_2 C_3 R_1 R_2 + C_1 C_3 C_4 R_1 R_4 + C_1 C_3 C_6 R_2 R_6 + C_3 C_4 C_6 R_2 R_4\right) + s \left(C_1 C_3 R_1 R_2 + C_1 C_3 C_4 R_2 R_4 + C_1 C_2 C_4 C_6 R_2 R_4 + C_1 C_2 C_4 C_6 R_2 R_5 + C_1 C_2 C_4 C_6 R_2 R_5 + C_1 C_2 C_4 C_6 R_4 R_5 + C_1 C_3 C_4 C_6 R_4 R_5\right) + s^2 \left(-C_1 C_2 C_6 R_2 + C_1 C_2 C_6 R_5 + C_1 C_3 C_6 R_5 + C_1 C_2 C_4 C_6 R_2 R_4 + C_1 C_2 C_4 C_6 R_2 R_5 + C_1 C_2 C_4 C_6 R_4 R_5 + C_1 C_3 C_4 C_6 R_4 R_5\right) + s^2 \left(-C_1 C_2 C_6 R_2 + C_1 C_2 C_6 R_5 + C_1 C_3 C_6 R_5 + C_1 C_2 C_4 C_6 R_2 R_4 + C_1 C_2 C_4 C_6 R_2 R_5 + C_1 C_2 C_4 C_6 R_4 R_5 + C_1 C_3 C_4 C_6 R_4 R_5\right) + s^2 \left(-C_1 C_2 C_6 R_2 + C_1 C_2 C_6 R_5 + C_1 C_3 C_6 R_5 + C_1 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_4 C_6 R_2 R_5 + C_1 C_2 C_4 C_6 R_4 R_5 + C_1 C_3 C_4 C_6 R_4 R_5\right) + s^2 \left(-C_1 C_2 C_6 R_2 + C_1 C_2 C_6 R_5 + C_1 C_3 C_6 R_5 + C_1 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_4 C_6 R_2 R_5 + C_1 C_2 C_4 C_6 R_4 R_5 + C_1 C_3 C_4 C_6 R_4 R_5\right) + s^2 \left(-C_1 C_2 C_6 R_2 + C_1 C_2 C_6 R_5 + C_1 C_3 C_4 C_6 R_2 R_4 + C_1 C_2 C_4 C_6 R_2 R_5 + C_1 C_2 C_4 C_6 R_4 R_5 + C_1 C_3 C_4 C_6 R_4 R_5\right) + s^2 \left(-C_1 C_2 C_6 R_2 + C_1 C_2 C_6 R_5 + C_1 C_3 C_6 R_5 + C_1 C_5 C_6 R
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 $H(s) = \frac{C_1C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_6 + s^2\left(C_1C_2C_3C_4C_6R_1R_4R_5R_6 + C_1C_2C_3C_4C_6R_2R_4R_5R_6 + s^2\left(C_1C_2C_3C_4R_1R_4R_5R_6 + C_1C_2C_3C_4R_2R_4R_5 + C_1C_2C_3C_4R_4R_5 + C_1C_2C_3C_4R_5 + C_1C_2$

 $\textbf{9.1993} \quad \textbf{X-INVALID-ORDER-1993} \ Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{1}{C_5 s}, \ R_6\right)$ $H(s) = \frac{C_1 C_2 C_3 C_4 C_5 R_1 R_2 R_4 R_6 s^3 + C_3 C_5 R_6 + s^2 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_6 + C_1 C_3 C_4 C_5 R_1 R_4 R_6 + C_2 C_3 C_4 C_5 R_2 R_4 R_6\right) + s \left(C_1 C_3 C_5 R_1 R_6 + C_2 C_3 C_5 R_2 R_6 + C_3 C_4 C_5 R_4 R_6\right) }{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3 + s^2 \left(C_1 C_2 C_3 C_4 R_1 R_4 + C_1 C_2 C_3 C_4 R_2 R_4 - C_1 C_2 C_4 C_5 R_2 R_4\right) + s \left(C_1 C_2 C_3 R_1 + C_1 C_2 C_4 R_2 + C_1 C_2 C_4 R_4 - C_1 C_2 C_5 R_2 + C_1 C_3 C_4 R_4 - C_1 C_4 C_5 R_4 + C_2 C_3 C_4 R_4\right) }$

9.1994 X-INVALID-ORDER-1994 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4s^3 + C_3C_5 + s^2\left(C_1C_2C_3C_5R_1R_2 + C_1C_3C_4C_5R_1R_4 + C_2C_3C_4C_5R_2R_4\right) + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2 + C_3C_4C_5R_4\right)}{s^3\left(C_1C_2C_3C_4C_6R_2R_4 - C_1C_2C_3C_6R_2R_4\right) + s^2\left(C_1C_2C_3C_6R_2 + C_1C_2C_4C_6R_2 + C_1C_2C_4C_6R_4 - C_1C_2C_5C_6R_4 + C_2C_3C_4C_6R_4 + C_2C_3C_4C_6R_4\right) + s\left(C_1C_2C_3C_4C_6R_4 + C_1C_2C_4C_5C_6R_4 + C_1C_2C_4C_6R_4 + C_1C_2C_4C_6R_4 + C_1C_2C_4C_6R_4 + C_1C_2C_4C_6R_4 + C_1C_4C_5C_6R_4 + C_1C_4C_5C_6R_4 + C_1C_4C_5C_6R_4 + C_1C_4C_5C_6R_4\right)}$

9.1995 X-INVALID-ORDER-1995 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_4C_5C_6R_1R_2R_4R_6s^4 + C_3C_5 + s^3\left(C_1C_2C_3C_4C_5R_1R_2R_4 + C_1C_2C_3C_5C_6R_1R_4R_6 + C_2C_3C_4C_5R_1R_2 + C_1C_3C_4C_5R_1R_4 + C_1C_3C_5C_6R_1R_4 + C_1C_3C_5C_6R_4 + C_1C_3C_$

9.1996 X-INVALID-ORDER-1996 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_6 + s^2\left(C_1C_2C_3C_5R_1R_2R_6 + C_1C_3C_4C_5R_1R_4R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 + C_1C_5 + C_2C_3 + s^3\left(C_1C_2C_3C_4R_1R_4 + C_1C_2C_3C_4R_1R_4 + C_1C_2C_3C_4R_1R_6 + C_1C_2C_3C_4R_1R_6 + C_1C_2C_3C_4R_1R_4 + C_1C_2C_3C_4R_1R_6 + C_1C_2C_3C_4R_1R_$

9.1997 X-INVALID-ORDER-1997 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

9.1998 X-INVALID-ORDER-1998 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $I(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4s^3 + C_3C_5 + s^2\left(C_1C_2C_3C_4C_5R_1R_2 + C_1C_3C_4C_5R_1R_2 + C_1C_3C_4C_5R_1R_2 + C_1C_3C_4C_5R_1R_2 + C_1C_3C_4C_5R_1R_2 + C_1C_3C_4C_5R_1R_4 + C_1C_2C_3C_4C_5C_6R_2R_4 + C_1C_2C_4C_5C_6R_2R_4 + C_1C_2C_4C_5C_6R_2R_4 + C_1C_2C_4C_5C_6R_2R_4 + C_1C_2C_4C_5C_6R_2R_4 + C_1C_2C_4C_5C_6R_2R_4 + C_1C_2C_4C_5C_6R_4R_5 + C_1C_2C_4C_$

9.1999 X-INVALID-ORDER-1999 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_4C_5C_6R_1R_2R_4R_6s^4 + C_3C_5 + s^3\left(C_1C_2C_3C_4C_5R_1R_2R_4 + C_1C_2C_3C_5C_6R_1R_2R_6 + C_1C_3C_4C_5C_6R_1R_4R_6 + C_2C_3C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3C_5C_6R_1R_2R_4 + C_1C_2C_3C_4C_5C_6R_1R_4R_5 + C_1C_2C_3C_4C_5C_6R_2R_4 + C_1C_3C_4C_5C_6R_2R_4 + C_1C_3C_4C_5C_6R_4R_5 + C_1C_3C$

9.2000 X-INVALID-ORDER-2000 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^4\left(C_1C_2C_3C_4C_5C_6R_1R_4R_5R_6 + C_1C_2C_3C_4C_5R_2R_4R_5 + C_1C_2C_3C_4C_5R_1R_4R_5 + C_1C_2C_3C_4C_5R_1R_5 + C_1C_2C_3C_4C_5R_1R_5 + C_1C_2C_3C_$

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9.2001 X-INVALID-ORDER-2001 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4R_5R_6s^4 + C_3R_6 + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_6 + C_1C_3C_5R_1R_2R_6 + C_1C_3C_4R_1R_4R_6 + C_1C_
9.2002 X-INVALID-ORDER-2002 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4R_5s^4 + C_3 + s^3\left(C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_5R_1R_2R_5 + C_1C_3C_4C_5R_1R_4R_5 + C_2C_3C_4C_5R_2R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_4R_1R_4 + C_1C_3C_5R_1R_5 + C_2C_3C_4R_2R_4 + C_2C_3C_5R_2R_5 + C_2C_3C_4C_5R_2R_4R_5\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_4R_1R_4 + C_1C_3C_5R_1R_5 + C_2C_3C_4R_2R_4 + C_2C_3C_5R_2R_5 + C_2C_3C_4C_5R_2R_4 + C_2C_3C_4C_5R_2R_4 + C_2C_3C_4C_5R_2R_4 + C_2C_3C_4C_5R_2R_4 + C_2C_3C_4C_5R_2R_4 + C_2C_3C_4C_5R_2R_4 + C_2C_3C_4C_5R_2R_5 + C_2C_3C_4C_5R_4R_5 + C_2C_3C_4C_5R_4R_5
9.2003 X-INVALID-ORDER-2003 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_4C_5C_6R_1R_2R_4R_5R_6s^5 + C_3 + s^4\left(C_1C_2C_3C_4C_5R_1R_2R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_4R_6 + C_1C_2C_3C_5C_6R_1R_2R_5R_6 + C_1C_3C_4C_5C_6R_1R_4R_5R_6 + C_2C_3C_4C_5C_6R_2R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_3C_6R_1R_2R_6 + C_1C_3C_4C_5C_6R_1R_4R_5R_6 + C_2C_3C_4C_5C_6R_2R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_3C_6R_1R_2R_6 + C_1C_3C_4C_5C_6R_1R_4R_5R_6 + C_2C_3C_4C_5C_6R_2R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_3C_4C_5R_1R_4R_5 + C_1C_2C_3C_4C_5R_4R_5 + C_1C_2C_
9.2004 X-INVALID-ORDER-2004 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ R_4 + \frac{1}{C_4 s}, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4R_5R_6s^4 + C_3R_6 + s^3\left(C_1C_2C_3C_4R_1R_4R_5R_6 + C_1C_2C_3C_4R_1R_4R_5R_6 + C_1C_2C_3C_4R_1R_4R_5 + C_1C_2C_3C_
9.2005 X-INVALID-ORDER-2005 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                       H(s) = \frac{C_1C_2C_3R_1R_2R_4s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C
9.2006 X-INVALID-ORDER-2006 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                       H(s) = \frac{C_1C_2C_3C_6R_1R_2R_4R_6s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5\right)}
9.2007 X-INVALID-ORDER-2007 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3R_1R_2R_4R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6\right)}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_1R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_4R_2R_4R_5 + C_1C_2C_4R_2R_4R_5 + C_1C_2C_6R_2R_4R_6 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_2C_6R_4R_5R_6 + C_1C_2C_6R_4R_5R_6 + C_1C_2C_6R_4R_5R_6 + C_1C_4C_6R_4R_5R_6 + C_1C_4
9.2008 X-INVALID-ORDER-2008 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                             H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_4R_2R_4 - C_1C_2C_5R_2R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4\right)}
9.2009 X-INVALID-ORDER-2009 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                              H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_4 + s^2\left(C_1C_2C_3C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_4R_6 + C_2C_3C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_5 + C_1C_5C_5C_6R_5 + C_1C_5C_5C_6R_5 + C_1
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 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^3\left(C_1C_2C_3C_6R_1R_4R_6 + C_1C_2C_3C_6R_2R_4R_6 + C_1C_2C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_5R_2R_4 + C_1C_2C_6R_2R_6 + C_1C_2C_6R_4R_6 + C_1C_3C_6R_4R_6 + C_1C_3C_6R_4R_6$

9.2010 X-INVALID-ORDER-2010 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

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9.2011 X-INVALID-ORDER-2011 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^3\left(C_1C_2C_3C_5R_1R_4R_5 + C_1C_2C_3C_5R_2R_4R_5 + C_1C_2C_3R_2R_4 + C_1C_2C_5R_2R_4 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_4R_5 + C_1C_3C_5R_4R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_5R_5 + C_1C
9.2012 X-INVALID-ORDER-2012 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{1}{C_3 s}, \ \frac{R_4}{C_4 R_4 s + 1}, \ R_5 + \frac{1}{C_5 s}, \ \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_4R_5 + C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_3C_5C_6R_4R_5 
9.2013 X-INVALID-ORDER-2013 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_4 + s^2\left(C_1C_2C_3C_5R_1R_2R_4 + C_1C_3C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_5C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 + C_1C_2C_5C_6R_4R_5 + C_1C_2
9.2014 X-INVALID-ORDER-2014 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.2015 X-INVALID-ORDER-2015 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                    H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_4R_6 + s^2\left(C_1C_2C_3R_1R_2R_4R_6 + C_1C_3C_5R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_2R_4R_5 + C_1C_2C_4R_2R_4R_5 - C_1C_2C_5R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}
9.2016 X-INVALID-ORDER-2016 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                              H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4 + C_3C_5R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_5 + C_1C_3C_6R_4R_5 + C_1
9.2017 X-INVALID-ORDER-2017 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_4R_5 + C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_5R_2R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_
9.2018 X-INVALID-ORDER-2018 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_{1}C_{2}C_{3}C_{5}R_{1}R_{2}R_{4}R_{5}R_{6}s^{3} + C_{3}R_{4}R_{6} + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{2}R_{4}R_{6} + C_{1}C_{3}C_{5}R_{1}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{2}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{5}R_{6} + C_{2}C_{3}C_{5}R_{5}R_{6}R_{6} + C_{2}C_{5}R_{5}R_{6} + C_{2}C_{5}R_{5}R_{6} + C_{2}C_{5}R_{5}R_{5}R_{6} + C
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_4R_6 + s^2\left(C_1C_2C_3R_1R_2R_4R_6 + C_1C_3C_5R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_6R_1R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_4R_2R_4R_5 - C_1C_2C_5R_2R_4R_5 - C_1C_2C_6R_2R_4R_5 + C_1C_2C_6R_2R_4R_5R_6\right)}
9.2019 X-INVALID-ORDER-2019 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_1C_2C_3C_6R_1R_2R_4R_6s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_3C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4 + C_1C_6R_5R_4R_5 - C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 - C_1C_3C_6R_4R_5 - C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 - C_1C_3C_6R_4R_5 - C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 - C_1C_3C_6R_4R_5 - C_1C_3C_6R_4R_5 + C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 - C_1C_3C_6R_4R_5 - C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5 - C_1C_3C_6R_4R_5\right) + s\left(-C_1C_6R_4R_5\right) + s\left(-C_1C_6R$

 $H(s) = \frac{C_1C_2C_3R_1R_2R_4s^2 + C_3R_4 + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4\right)}{s^3\left(C_1C_2C_3C_6R_1R_4R_5 - C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R$

9.2020 X-INVALID-ORDER-2020 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

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9.2021 X-INVALID-ORDER-2021 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       H(s) = \frac{C_1C_2C_3R_1R_2R_4R_6s^2 + C_3R_4R_6 + s\left(C_1C_2C_3C_6R_1R_4R_5R_6 - C_1C_2C_3C_6R_2R_3R_4R_6 + c_1C_2C_3C_6R_2R_4R_5R_6 + c_1C_2C_3C_6R_2R_4R_5R_6 + c_1C_2C_3C_6R_2R_4R_5R_6 + c_1C_2C_3C_6R_2R_4R_5R_6 + c_1C_2C_3C_6R_2R_4R_5R_6 + c_1C_2C_3C_6R_2R_4R_5R_6 + c_1C_2C_3R_2R_4R_5 + c_1C_2C_3R_2R_3R_4 + c_1C_2C_3R_2R_3R_5 + c_1C_2C_3R_2R_4R_5 + c_1C_2C_3R_2R
9.2022 X-INVALID-ORDER-2022 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                            H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{-C_1C_2C_3C_5R_2R_3R_4s^3 + C_1 + s^2\left(C_1C_2C_3R_1R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_3R_4 - C_1C_2C_5R_2R_4 - C_1C_3C_5R_3R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4\right)}
9.2023 X-INVALID-ORDER-2023 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                              H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)}{-C_1C_2C_3C_5C_6R_2R_3R_4s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 + C
9.2024 X-INVALID-ORDER-2024 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                              H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_4 + s^2\left(C_1C_2C_3C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_4R_6 + C_2C_3C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{-C_1C_2C_3C_5C_6R_2R_3R_4s^3 + C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_5C_6R_2R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1
9.2025 X-INVALID-ORDER-2025 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6s + s^2\left(C_1C_2C_3R_1R_4 + c_1C_2C_3C_6R_1R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6s + s^2c_1C_3C_5R_1R_4R_6s + s^
9.2026 X-INVALID-ORDER-2026 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^3\left(C_1C_2C_3C_5R_1R_4R_5 - C_1C_2C_3C_5R_2R_3R_4 + C_1C_2C_3C_5R_2R_4R_5 + C_1C_2C_3C_5R_2R_4R_5 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_5R_2R_4 
9.2027 X-INVALID-ORDER-2027 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_4R_5 - C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_5C_6R_2R_4 + C_1C_2C_3C_5C_5C_6R_2R_4 + C_1C_2C_3C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4)
9.2028 X-INVALID-ORDER-2028 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_4 + s^2\left(C_1C_2C_3C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_4R_6 + C_2C_3C_5C_6R_2R_4R_6\right) + s\left(C_1C_2C_3C_5C_6R_1R_4R_5 - C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_5C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C_2C_3C_5C_6R_2R_4 + C_1C_2C_3C_5C_$

9.2029 X-INVALID-ORDER-2029 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.2030 X-INVALID-ORDER-2030 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_4R_6 + s^2\left(C_1C_2C_3R_1R_2R_4R_6 + C_1C_3C_5R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1C_2C_3C_5R_2R_3R_4R_5s^3 - C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 - C_1C_2C_3R_2R_4R_5 + C_1C_2C_3R_2R_4R_5 - C_1C_2C_3R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_3R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_3R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_3R_3R_4 + C_1C_3R_3R_4 + C_1C_3R_3R_4R_5\right) + s\left(-C_1C_3R_3R_4R_5 - C_1C_3R_3R_4R_5 - C_1C_3R_3R_4R_5\right) + s\left(-C_1C_3R_3R_4R_5 - C_1C_3R_3R_4R_5 - C_1C_3R_3R_4R_5\right) + s\left(-C_1C_3R_3R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_4 + C_1C_3R_3R_4R_5\right) + s\left(-C_1C_3R_3R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_4 + C_1C_3R_3R_4 + C_1C_3R_3R_4R_5\right) + s\left(-C_1C_3R_3R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_4 + C_1C_3R_3R_4R_5\right) + s\left(-C_1C_3R_3R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_4 + C_1C_3R_3R_4 + C_1C_3R_3R_4R_5\right) + s\left(-C_1C_3R_3R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_$

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9.2031 X-INVALID-ORDER-2031 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4 + C_3C_5R_4R_5\right)}{-C_1C_2C_3C_6R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_4R_5 - C_1C_2C_5C_6R_2R_4R_5 - C_1C_2C_5C_6R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_2R_4 + C_1C_2C_6R_2R_4 + C_1
9.2032 X-INVALID-ORDER-2032 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_4R_5 + C_1C_2C_3C_6R_1R_4R_5 + C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_5R_1R_4R_
9.2033 X-INVALID-ORDER-2033 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1C_2C_3C_5C_6R_2R_3R_4R_5R_6s^4 - C_1R_4 + C_1R_5 + s^3\left(-C_1C_2C_3C_5R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_3C_6R_2R_4R_5R_5 + C_1C_2C_3C_6R_2R_4R_5R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2
9.2034 X-INVALID-ORDER-2034 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)
                                                                                                H(s) = \frac{C_1C_2C_3R_1R_2R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6\right)}{C_1C_2C_3C_4R_2R_3R_5s^3 - C_1 + s^2\left(C_1C_2C_3R_1R_5 - C_1C_2C_3R_2R_3 + C_1C_2C_3R_2R_5 + C_1C_2C_3R_3R_5 + C_1C_2C_4R_2R_5 + C_1C_3C_4R_3R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 + C_1C_4R_5 + C_2C_3R_5\right)}
9.2035 X-INVALID-ORDER-2035 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                  H(s) = \frac{C_1C_2C_3R_1R_2s^2 + C_3 + s\left(C_1C_3R_1 + C_2C_3R_2\right)}{C_1C_2C_3C_4C_6R_2R_3R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 - C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_2R_5 + C_1C_2C_4C_6R_2R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(-C_1C_2C_6R_2 + C_1C_2C_6R_5 - C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1C_4C_6R_5 + C_2C_3C_6R_5\right)}
9.2036 X-INVALID-ORDER-2036 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                  H(s) = \frac{C_1C_2C_3C_6R_1R_2R_6s^3 + C_3 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_6R_1R_6 + C_2C_3C_6R_2R_6\right) + s\left(C_1C_3R_1 + C_2C_3R_2 + C_3C_6R_6\right)}{C_1C_2C_3C_4C_6R_2R_3R_5s^4 - C_1C_6s + s^3\left(C_1C_2C_3C_6R_1R_5 - C_1C_2C_3C_6R_2R_3 + C_1C_2C_3C_6R_3R_5 + C_1C_2C_4C_6R_2R_5 + C_1C_3C_4C_6R_3R_5\right) + s^2\left(-C_1C_2C_6R_5 + C_1C_3C_6R_3 + C_1C_3C_6R_3 + C_1C_3C_6R_5 + C_1
9.2037 X-INVALID-ORDER-2037 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3R_1R_2R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_2C_3C_3R_1R_2R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_2C_3C_3R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_5R_6 + C_1C_2C_3C_6R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_5 + C_1C_2C_3C_4R
9.2038 X-INVALID-ORDER-2038 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                        H(s) = \frac{C_1C_2C_3C_5R_1R_2s^2 + C_3C_5 + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2\right)}{s^3\left(C_1C_2C_3C_4C_6R_2R_3 - C_1C_2C_3C_5C_6R_2 + C_1C_2C_3C_6R_1 + C_1C_2C_3C_6R_2 + C_1C_2C_3C_6R_3 + C_1C_2C_5C_6R_2 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.2039 X-INVALID-ORDER-2039 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                       H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_6s^3 + C_3C_5 + s^2\left(C_1C_2C_3C_5R_1R_2 + C_1C_3C_5C_6R_1R_6 + C_2C_3C_5C_6R_2R_6\right) + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2 + C_3C_5C_6R_6\right)}{s^3\left(C_1C_2C_3C_4C_6R_2R_3 - C_1C_2C_3C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_3C_6R_1 + C_1C_2C_3C_6R_2 + C_1C_2C_3C_6R_3 + C_1C_2C_4C_6R_2 - C_1C_2C_5C_6R_2 + C_1C_3C_4C_6R_3 - C_1C_3C_5C_6R_3\right) + s\left(C_1C_2C_6 + C_1C_3C_6 + C_1C_4C_6 - C_1C_5C_6 + C_2C_3C_6\right)}
9.2040 X-INVALID-ORDER-2040 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_1R_6 + C_2C_3C_5R_2R_6\right)}{C_1C_2 + C_1C_3 + C_1C_3 + C_3C_5R_6 + s\left(C_1C_3C_3C_4R_2R_3 - C_1C_2C_3C_5R_2R_3 + C_1C_2C_3C_6R_2R_6 + C_1C_3C_5C_6R_2R_6 + C_1C_3C_5C_6R_2R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5$

 $C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6)$

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H(s) = \frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6\right)}{C_1C_2C_3C_4C_5R_2R_3R_5s^3 + C_1C_2 + C_1C_3 + c_1C_4 + c_1C_5 + c_2C_3 + c_3C_5R_1R_5 - c_1C_2C_3C_5R_2R_3 + c_1C_2C_3C_5R_2R_5 + c_1C_2C_4C_5R_2R_5 + c_1C_3C_4C_5R_3R_5) + s\left(C_1C_2C_3R_1 + C_1C_2C_3R_2 + c_1C_2C_3R_3 + c_1C_2C_4R_5R_5\right)}
9.2042 X-INVALID-ORDER-2042 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_1C_2C_3C_5R_1R_2s^2 + C_3C_5 + s\left(C_1C_3C_5R_1 + C_2C_3C_5R_2\right)
9.2043 X-INVALID-ORDER-2043 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_{1}C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{6}s^{3} + C_{3}C_{5} + s^{2}\left(C_{1}C_{2}C_{3}C_{5}R_{1}R_{2} + C_{1}C_{3}C_{5}C_{6}R_{1}R_{6} + C_{2}C_{3}C_{5}C_{6}R_{2}R_{6}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}C_{6}R_{1}R_{6} + C_{2}C_{3}C_{5}C_{6}R_{2}R_{6}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}C_{6}R_{1}R_{6} + C_{2}C_{3}C_{5}C_{6}R_{2}R_{6}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}C_{6}R_{1}R_{6}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}R_{1}R_{6}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}R_{1}R_{6}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}R_{1}R_{1}R_{2}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}R_{1}R_{1}R_{2}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}R_{1}R_{2}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}R_{1}\right) + s\left(C_{1}C_{3}C_{5}R_{1} + C_{2}C_{3}C_{5}R_{1}\right) + s\left(C_{1}C_{3}C_{5}R_{1}
9.2044 X-INVALID-ORDER-2044 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.2045 X-INVALID-ORDER-2045 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_6 + s^2\left(C_1C_2C_3R_1R_2R_6 + C_1C_3C_5R_1R_5R_6 + C_2C_3C_5R_2R_5R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^3\left(C_1C_2C_3C_4R_2R_3R_5 - C_1C_2C_3C_5R_2R_3 + C_1C_2C_3R_2R_5 + C_
9.2046 X-INVALID-ORDER-2046 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
9.2047 X-INVALID-ORDER-2047 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_5R_6s^4 + C_3 + s^3\left(C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_3C_6R_1R_2R_6 + C_1C_3C_5C_6R_1R_5R_6 + C_2C_3C_5C_6R_2R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_5R_1R_5 + C_1C_3C_6R_1R_6 + C_2C_3C_5R_2R_5 + C_2C_3C_6R_2R_6 + C_3C_5C_6R_2R_6\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_2R_5 + C_2C_3C_6R_2R_6 + C_3C_5C_6R_2R_6\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_2R_5 + C_2C_3C_6R_2R_5 + C_
9.2048 X-INVALID-ORDER-2048 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3C_5R}{-C_1 + s^4\left(C_1C_2C_3C_4C_6R_2R_3R_5R_6 - C_1C_2C_3C_5R_2R_3R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_3C_6R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_6 + C_1C_2C_3C_4R_2R_3R_5 + C_1C_2C_3C
9.2049 X-INVALID-ORDER-2049 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_1C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_6 + s^2\left(C_1C_2C_3R_1R_2R_6 + C_1C_3C_4R_1R_4R_6 + C_2C_3C_4R_2R_4R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6 + C_3C_4R_4R_4R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6 + C_3C_4R_4R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6 + C_3C_4R_4R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_4R_4R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_4R_4R_6\right) + s\left(C_1C_3R_1R_6 + C_2C_3R_4R_4R_6\right) + s\left(C_1C_3R_4R_4R_6 + C_1C_2C_3R_4R_4R_6\right) + s\left(C_1C_3R_4R_4R_6 + C_1C_3C_4R_4R_6\right) + s\left(C
9.2050 X-INVALID-ORDER-2050 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_{1}C_{2}C_{3}C_{4}R_{1}R_{2}R_{4}s^{3} + C_{3} + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{2} + C_{1}C_{3}C_{4}R_{1}R_{4} + C_{2}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{1}R_{2} + C_{1}C_{3}C_{4}R_{1}R_{2} + C_{2}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{1}R_{2} + C_{2}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{1}R_{2} + C_{2}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{1}R_{2} + C_{2}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{1}R_{2} + C_{2}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{2}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{4}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{4}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{4}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{4}R_{4}\right) + s\left(C_{1}C_{3}C_{4}R_{4
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 $C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6\right)$

9.2041 X-INVALID-ORDER-2041 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

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9.2051 X-INVALID-ORDER-2051 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_4C_6R_1R_2R_4R_6s^4 + C_3 + s^3\left(C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_6R_1R_2R_6 + C_1C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_4R_1R_4 + C_1C_3C_4C_6R_1R_4R_6 + C_2C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_4R_1R_4 + C_1C_3C_4C_6R_1R_4R_6 + C_2C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_3C_4R_1R_4 + C_1C_3C_4C_6R_1R_4R_6\right) + s^2\left(C_1C_2C_3C_4C_6R_2R_4R_6 + C_1C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_2C
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9.2052 X-INVALID-ORDER-2052
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{-C_1 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_4 R_5 R_6 - C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 R_5 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 R_5 R_5 R_6 + C_1 C_2 C_3 C_$$

9.2053 X-INVALID-ORDER-2053
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_6 + s^2\left(C_1C_2C_3C_5R_1R_2R_6 + C_1C_3C_4C_5R_1R_4R_6 + C_2C_3C_4C_5R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6 + C_3C_4C_5R_4R_6\right)}{-C_1C_2C_3C_4C_5R_2R_3R_4s^3 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 - C_1C_3C_4C_5R_2R_4 - C_1C_3C_4C_5R_2R_4 + C_1C_2C_3R_4 + C_1C_2C_3R_4 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 + C_1C_2C_3C_4R_2R_4 - C_1C_3C_4C_5R_2R_4 - C_1C_3C_4C_5R_2R_4 + C_1C_2C_3R_4 + C_1C_2C_3R_4 + C_1C_2C_3R_4 + C_1C_2C_3C_4R_2R_4 + C_1C$$

9.2054 X-INVALID-ORDER-2054
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4s^3 + C_3C_5 + s^2\left(C_1C_2C_3C_5R_1R_2 + C_1C_3C_4C_5R_1R_4 + C_2C_3C_4C_5R_2R_4\right) + s\left(C_1C_3C_5R_1 + C_1C_2C_3C_4C_5R_2R_4 + C_1C_2C_3C_4C_5R_3R_4 + C_1C_2C_3C_4C_5R_4 + C_1C_2C_3C_4C_5R_4 + C_1C_2C_3C_4C_5R_4 + C_1C_2C_3C_4C_5R_4 +$$

9.2055 X-INVALID-ORDER-2055
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_2C_3C_4C_5C_6R_1R_2R_4R_6s^4 + C_3C_5 + s^3\left(C_1C_2C_3C_4C_5R_1R_2R_4 + C_1C_2C_3C_5C_6R_1R_2R_6 + C_1C_3C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_2C_3C_5R_1R_2 + C_1C_3C_4C_5R_1R_4 + C_1C_3C_5C_6R_1R_6 + C_1C_2C_3C_4C_5R_2R_4 + C_1C_2C_3C_5R_2R_4 + C_1C_2C_3C_5R_4R_4 + C_1C$$

9.2056 X-INVALID-ORDER-2056
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

$$H(s) = \frac{-C_1C_2C_3C_4C_5C_6R_2R_3R_4R_6s^4 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^3\left(-C_1C_2C_3C_4C_5R_2R_3R_4 + C_1C_2C_3C_4C_6R_1R_4R_6 + C_1C_2C_3C_4C_6R_2R_4R_6 + C_1C_2C_3C_4C_6R_3R_4R_6 - C_1C_2C_3C_4C_6R_2R_3R_6 - C_1C_2C_3C_4C_5R_2R_3R_6 - C_1C_2C_3C_4C_5R_2R_3R_6 + C_1C_2C_3C_4C_6R_2R_4R_6 + C_1C_2C_3C_4C_6R_2R_4R_6 - C_1C_2C_3C_4C_6R_4R_4R_6 - C_1$$

9.2057 X-INVALID-ORDER-2057
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_1C_2C_3C_4C_5R_2R_4R_5 + C_1C_2C_3C_4C_5R_2R_4R_5 + C_1C_2C_3C_4C_5R_4R_5 + C_1C_2C_3C_4C_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5 + C_1C_2C_3C_4C_5R_5 + C_1C_2C_3C$$

9.2058 X-INVALID-ORDER-2058
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{s^4 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_4 R_5 - C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_3 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_4 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_3 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_3 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_3 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_1 R_4 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_2 R_4 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_2 R_4 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_5 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_5 R_5 + C_1 C_2 C_3 C_4 C_5 R_5 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_5 R_5 + C_1 C_2 C_5 R_5 R_5 R_5 \right) \\ + s^3 \left(C_1 C_2 C_3 C_4 C_5 R_5 R_5 + C_1 C_2 C_5 R_5 R_5 \right) \\ + s^3$$

9.2059 X-INVALID-ORDER-2059
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$C_1C_2C_3C_4C_5C_6R_1R_2R_4R_6s^4$$

$$H(s) = \frac{C_1C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3}{s^4\left(C_1C_2C_3C_4C_5C_6R_1R_4R_5 - C_1C_2C_3C_4C_5C_6R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_2R_4R_5 + C_1C_2C_3C_4C_5C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_4C_6R_2R_3 + C_1C_2C_3C_4C_6R_2R_4 + C_1C_2C_3C_4C_6R_3R_4 + C_1C_2C_3C_4C_5C_6R_2R_4R_5 + C_1C_2C_3C_4C_5C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_4C_6R_2R_3 + C_1C_2C_3C_4C_6R_2R_4 + C_1C_2C_3C_4C_6R_3R_4 + C_1C_2C_3C_4C_5C_6R_2R_4R_5 + C_1C_2C_3C_4C_5C_6R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_4C_6R_2R_4 + C_1C_2C_3C_4C_6R_2R_4 + C_1C_2C_3C_4C_5C_6R_2R_4R_5 + C_1C_2C_3C_4$$

9.2060 X-INVALID-ORDER-2060
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

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9.2061 X-INVALID-ORDER-2061 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4R_5R_6s^4 + C_3R_6 + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_6 + C_1C_2C_3C_5R_1R_2R_5R_6 + C_1C_3C_4C_5R_1R_4R_5R_6 + C_2C_3C_4C_5R_2R_4R_5R_6\right) + s^2\left(C_1C_2C_3C_4C_5R_2R_3R_4R_5s^4 - C_1 + s^3\left(C_1C_2C_3C_4R_1R_4R_5 - C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_3C_4R_2R_4R_5 + C_
9.2062 X-INVALID-ORDER-2062 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_1C_2C_3C_4C_5R_1R_2R_4R_5s^4 + C_3 + s^3(C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_3C_5R_1R_5 + C_1C_2C_3C_5R_5R_5 + C_1C_2C_3C_5R_5 + C_1C_2C_5C_5C_5 + C_1C_2C_5C_5C_5 + C_1C_5C_5C_5 + C_1C_5C_5C_5 + C_1C_5C_5C_5 + C_1C_5C_5C_5 + C_1C_5C_5C_5 + C_1C_5C_5C_5 + C_1C_5C_5 + C_1C_5 + C_1C_5
H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_4R_5s^4 + C_3 + s^3\left(C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_4C_6R_2R_3R_5 + C_1C_2C_3C_4C_6R_2R_3R_5 - C_1C_2C_3C_4C_6R_2R_4R_5 - C_1C_2C_3C_4C_6R_4R_4R_5 - C_1C_2C_
9.2063 X-INVALID-ORDER-2063 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                  \frac{C_{1}C_{2}C_{3}C_{4}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}R_{6}s^{5} + C_{3} + s^{4}\left(C_{1}C_{2}C_{3}C_{4}C_{5}R_{1}R_{2}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{4}C_{6}R_{1}R_{2}R_{4}R_{6} + C_{1}C_{2}C_{3}C_{4}C_{6}R_{1}R_{2}R_{5}R_{6} + C_{1}C_{3}C_{4}C_{5}C_{6}R_{1}R_{4}R_{5}R_{6} + C_{2}C_{3}C_{4}C_{5}C_{6}R_{2}R_{4}R_{5}R_{6}\right) + s^{3}\left(C_{1}C_{2}C_{3}C_{4}R_{1}R_{2}R_{4} + C_{1}C_{2}C_{3}C_{5}R_{1}R_{2}R_{5} + C_{1}C_{2}C_{3}C_{6}R_{1}R_{2}R_{6} + C_{1}C_{3}C_{4}C_{5}R_{1}R_{2}R_{5} + C_{1}C_{2}C_{3}C_{4}C_{6}R_{1}R_{2}R_{5} + C_{1}C_{2}C_{3}C_{4}C_{6}R_{2}R_{4}R_{5} + C_{1}C_{2}C_{3}
9.2064 X-INVALID-ORDER-2064 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5R_6s^5 - C_1 + s^4\left(-C_1C_2C_3C_4C_5R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_2R_3R_4R_6 + C_1C_2C_3C_4C_6R_2R_3R_5R_6 + C_1C_2C_3C_4C_6R_2R_4R_5R_6 + C_1C_2C_3C_4C_6R_4R_4R_5R_6 + C_1C_2C_3C_4C_6R_4R_4R_5R_6 + C_1C_2C_3C_4C_6R_4R_4R_5R_6 + C_1C_2C_3C_4C_6R_4R_4R_5R_6 + C_1C_2C_3C_4C_6R_4R_5R_5R_5 + C_1C_2C_3C_4C_6R_5R_5R_5R_5 + C_1C_2C_3C_4C_6R_5R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5 + C_1C_2C_3C_5
9.2065 X-INVALID-ORDER-2065 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
H(s) = \frac{C_1C_2C_3R_1R_2R_4R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6\right)}{C_1C_2C_3C_4R_2R_3R_4R_5s^3 - C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 - C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_4R_5 + C_1C_2C_3R_2R
9.2066 X-INVALID-ORDER-2066 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                \frac{C_{1}C_{2}C_{3}R_{1}R_{2}R_{4}s^{2}+C_{3}R_{4}+s\left(C_{1}C_{3}R_{1}R_{4}+C_{2}C_{3}R_{2}R_{4}\right)}{C_{1}C_{2}C_{3}C_{4}C_{6}R_{2}R_{3}R_{4}+S_{5}^{4}+s^{3}\left(C_{1}C_{2}C_{3}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{2}C_{3}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{2}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{2}C_{4}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{2
9.2067 X-INVALID-ORDER-2067 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_6R_1R_2R_4R_6s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_4 + C_2C_3R_2R_4 + C_3C_6R_4R_6\right)}{C_1C_2C_3C_4C_6R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2C_3C_3C_4R_4R_5 + C_1C_2C_3C_4R_4R_5 + C_1C_2C_3C_4R_4R_5 + C_1C_2C_3C_4R_4R_5 + C_1C_2C_3C_4R_4R_5 + C_1
9.2068 X-INVALID-ORDER-2068 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6s^4 - C_1R_4 + C_1R_5 + s^3\left(C_1C_2C_3C_4R_2R_3R_4R_5 + C_1C_2C_3C_6R_1R_4R_5R_6 - C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_2C_3C_6R_2R_4R_5R_6 + C_1C_2C_3C_6R_4R_5R_5R_5 + C_1C_2C_3C_6R_4R_5R_5R_5 + C_1C_2C_3C_6R_5R_5R_5R_5 + C_1C_2C_3C_6R_5R_5R_5R_5 + C_1C_2C_3C_6R_5R_5R_5R_5 + C_1C_2C_3C_6R_5R_5R_5 + C_1C_
9.2069 X-INVALID-ORDER-2069 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_4R_6s + s^2\left(C_1C_3C_5R_1R_4R_6 + C_2C_3C_5R_2R_4R_6\right)}{C_1 + s^3\left(C_1C_2C_3C_4R_2R_3R_4 - C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_4R_2R_4 - C_1C_2C_5R_2R_4 + C_1C_3C_5R_3R_4\right) + s\left(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_3 + C_1C_4R_4 - C_1C_5R_4 + C_1C_4R_4 - C_1C_5R_4 + C_1C_4R_4 - C_1C_4R_4 + C_1C_
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 $C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4s + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_4 - C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_3C_5C_6R_3R_4 + C$

9.2070 X-INVALID-ORDER-2070 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

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9.2071 X-INVALID-ORDER-2071 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_4 + s^2\left(C_1C_2C_3C_5R_1R_2R_4 + C_1C_3C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_4 - C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_3C_5C_6R_2R_4 + C_1C_3C_5C_6R_3R_4 + C_1C_3C_5$

9.2072 X-INVALID-ORDER-2072
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{C_1 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 - C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_2 R_3 R_4 - C_1 C_2 C_3 C_5 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_4 R_6 + C_1 C_2 C_3 C$

9.2073 X-INVALID-ORDER-2073
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

9.2074 X-INVALID-ORDER-2074
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5s^4 + C_1C_6 + s^3\left(C_1C_2C_3C_4C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_5 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_3C_$

9.2075 X-INVALID-ORDER-2075 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_3C_5C_6R_2R_4R_5 + C_1C$

9.2076 X-INVALID-ORDER-2076
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_2R_3R_4R_5R_6s^5 + C_1 + s^4(C_1C_2C_3C_4C_5R_2R_3R_4R_5 + C_1C_2C_3C_5C_6R_1R_4R_5R_6 - C_1C_2C_3C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_5 + C_1C_2C_3C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_5 + C_1C_2C_3C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_5 + C_1C_2C_3C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_5C_6R_3R_4R_5 + C_1C_2C_3C_5C_5C_5C_5C_5C_5C_5C_5C_5$

9.2077 X-INVALID-ORDER-2077
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_4R_6 + s^2\left(C_1C_2C_3R_1R_2R_4R_6 + C_1C_3C_5R_1R_4R_5R_6 + C_2C_3C_5R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6 + C_3C_5R_2R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_5R_4R_5 +$

9.2078 X-INVALID-ORDER-2078
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4R_5s^3 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_2C_3C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_2R_4 + C_1C_2C_3C_6R_2R_3R_4R_5 - C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_4R_5 + C_1C_2$

9.2079 X-INVALID-ORDER-2079
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_5R_1R_4R_5 + C_1C_3C$

9.2080 X-INVALID-ORDER-2080
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{-C_1R_4 + C_1R_5 + s^4\left(C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_2C_3C_5C_6R_2R_3R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_2C_3C_6R_3R_4R_5 + C_1C_2C_3C_6R_3R_4R$

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9.2081 X-INVALID-ORDER-2081 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)
                                                                                             H(s) = \frac{C_1C_2C_3R_1R_2R_3R_4R_6s^3 + R_4R_6 + s^2\left(C_1C_2R_1R_2R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_2C_3R_2R_3R_4R_6\right) + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6 + C_3R_3R_4R_6\right)}{s^3\left(C_1C_2C_3R_1R_3R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_2R_3R_4R_5 + C_1C_3R_3R_4R_5\right) + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6 + C_3R_3R_4R_6\right)}
9.2082 X-INVALID-ORDER-2082 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)
                                            \frac{C_{1}C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}s^{3}+R_{4}+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{4}+C_{1}C_{3}R_{1}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}R_{4}\right)+s\left(C_{1}R_{1}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4}\right)}{s^{4}\left(C_{1}C_{2}C_{3}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}\right)+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{4}R_{5}-C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{6}R_{3}R_{4}R_{5}+C_{1}C_{2}C_{6}R_{3}R_{4}R_{5}\right)+s^{2}\left(-C_{1}C_{6}R_{3}R_{4}+C_{1}C_{6}R_{3}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{2}C_{6}R_{4}R_{5}\right)+s^{2}\left(-C_{1}C_{6}R_{3}R_{4}+C_{1}C_{6}R_{3}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{2}C_{6}R_{4}R_{5}\right)+s^{2}\left(-C_{1}C_{6}R_{3}R_{4}+C_{1}C_{6}R_{3}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{3}R_{4}R_{5}\right)+s^{2}\left(-C_{1}C_{6}R_{3}R_{4}+C_{1}C_{6}R_{3}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{4}R_{5}+C_{1}C_{6}R_{
9.2083 X-INVALID-ORDER-2083 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_6R_1R_2R_3R_4R_6s^4 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_4R_6 + C_2C_3C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_6R_1R_4R_6 + C_2C_3R_2R_3R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_6R_1R_4R_6 + C_2C_3R_2R_3R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_6R_2R_4R_6 + C_2C_3R_2R_3R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_2R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_3R
9.2084 X-INVALID-ORDER-2084 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_1C_2C_3R_1R_2R_3R_4R_6s^3 + R_4R_6 + s^2(C_1C_2R_1R_2R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_2C_3R_1R_3R_4R_6 + C_3C_3R_1R_3R_4R_6 + C_3C_3R_3R_3R_4R_6 + C_3C_3R_3R_3R_4R_6 + C_3C_3R_3R_3R_4R_6 + C_3C_3R_3R_5R_5 + C_3C_3R_3R_5R_5 + C_3C_3R_5R_5 + C_3C_3R_5R_5 + C_3C_3R_5R_5 + C_3C_3R_5 + 
                                            9.2085 X-INVALID-ORDER-2085 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                 H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_4R_6 + s^2\left(C_1C_2C_5R_1R_2R_4R_6 + C_1C_3C_5R_1R_3R_4R_6 + C_2C_3C_5R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_3R_2R_3R_4 - C_1C_2C_5R_2R_3R_4\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_3R_3R_4 
9.2086 X-INVALID-ORDER-2086 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                          H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4s^3 + C_5R_4 + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_3C_5R_1R_3R_4 + C_2C_3C_5R_2R_3R_4\right) + s\left(C_1C_5R_1R_4 + C_2C_5R_2R_4 + C_3C_5R_3R_4\right)}{s^3\left(C_1C_2C_3C_6R_1R_3R_4 + C_1C_2C_5C_6R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_5C_6R_3R_4 +
9.2087 X-INVALID-ORDER-2087 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_3R_
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9.2088 X-INVALID-ORDER-2088
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $\frac{C_{1}C_{2}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{6}s^{3}+C_{5}R_{4}R_{6}+s^{2}\left(C_{1}C_{2}C_{5}R_{1}R_{2}R_{4}R_{6}+C_{1}C_{3}C_{5}R_{1}R_{3}R_{4}R_{6}+C_{2}C_{3}C_{5}R_{2}R_{3}R_{4}R_{6}\right)+s\left(C_{1}C_{5}C_{5}R_{1}R_{3}R_{4}+C_{1}C_{2}C_{5}R_{1}R_{3}R_{4}R_{6}+C_{1}C_{2}C_{5}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{2}C_{5}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{5}R$

9.2089 X-INVALID-ORDER-2089 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_4R_6 + s^2\left(C_1C_2C_5R_1R_2R_4R_6 + C_1C_3C_5R_1R_3R_4R_6 + C_2C_3C_5R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_2R_4$

9.2090 X-INVALID-ORDER-2090 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_{1}C_{2}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}s^{3} + C_{5}R_{4} + s^{2}\left(C_{1}C_{2}C_{5}R_{1}R_{2}R_{4} + C_{1}C_{3}C_{5}R_{1}R_{3}R_{4} + C_{2}C_{3}C_{5}R_{2}R_{3}R_{4}\right) + c_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4} + c_{2}C_{3}C_{5}R_{2}R_{3}R_{4} + c_{3}C_{5}R_{1}R_{3}R_{4} + c_{4}C_{5}C_{5}R_{1}R_{3}R_{4} + c_{5}C_{5}R_{1}R_{3}R_{4} + c_{5}C_{5}R_{1}R_{2}R_{3}R_{4} + c_{5}C_{5}R_{1}R_{3}R_{4} + c_$ $\frac{c_1c_2c_3c_5r_1r_2r_3r_4s + c_5r_4 + c_5r_4$

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9.2091 X-INVALID-ORDER-2091 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
```

 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_6 + C_1C_2C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2C_5R_1R_2R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_3R_4 + C_1C_2C_5C_6R$

9.2092 X-INVALID-ORDER-2092 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\overline{C_1R_3 + C_1R_4 + C_2R_4 + s^4 \left(C_1C_2C_3C_5C_6R_1R_3R_4R_5R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_5 + C_1C_2C_3C_5R_1R_3R_4R_5 + C_1C_2C_3C_6R_1R_3R_4R_6 + C_1C_2C_3C_6R_1R_3R_4R_6 + C_1C_2C_5C_6R_1R_4R_5R_6 - C_1C_2C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5R_2R_3R_4R_5 + C_1C_2C_3C_5R_2R_3R_4R_6 + C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_2C_5C_6R_2R_3R_4R_6 + C_1C_2C_5C_6R_2R_3R_4R_6 + C_1C_2C_3C_5R_2R_3R_4R_6 + C_1C_2C_3C_5R_3R_3R_4R_6 + C_1C_2C_3C_5R_3R_3R_4R_5 + C_1C_2C_3C_5R_3R_3R_4R_5 + C_1C_2C_3C_5R_3R_3R_4R_5 + C_1C_2C_3C_5R_3R_3R_4R_5 + C_$

9.2093 X-INVALID-ORDER-2093 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_5R_6s^4 + R_4R_6 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_6 + C_1C_3C_5R_1R_2R_4R_5R_6 + C_2C_3C_5R_2R_3R_4R_5 + C_1C_2R_1R_2R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_2C_3R_2R_3R_4R_6 + C_2C_3R_3R_4R_6 + C_2C_3R_$

9.2094 X-INVALID-ORDER-2094 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

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

9.2095 X-INVALID-ORDER-2095 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

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

9.2096 X-INVALID-ORDER-2096 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \ R_2 + \frac{1}{C_2 s}, \ \frac{R_3}{C_3 R_3 s + 1}, \ R_4, \ \frac{R_5}{C_5 R_5 s + 1}, \ \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{C_1C_2C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_4R_6 + s^2(C_1C_2C_3R_1R_2R_3R_4R_6 + C_1C_2C_5R_1R_2R_4R_5R_6 + C_1C_3C_5R_1R_3R_4R_5R_6 + C_1C_3C_5R_1R_3R_4R_5R_6 + C_1C_3C_5R_1R_3R_4R_5R_6 + C_1C_2C_3R_1R_3R_4R_5 + C_1C_2C_3R$

9.2097 X-INVALID-ORDER-2097 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_2C_3R_1R_2R_3R_6s^3 + R_6 + s^2\left(C_1C_2R_1R_2R_6 + C_1C_3R_1R_3R_6 + C_2C_3R_2R_3R_6\right) + s\left(C_1R_1R_6 + C_2R_2R_6 + C_3R_3R_6\right)}{s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_3R_2R_3R_5\right) + s^2\left(C_1C_2R_1R_5 - C_1C_2R_2R_3 + C_1C_2R_2R_5 + C_1C_2R_3R_5 + C_1C_3R_3R_5 + C_1C_4R_3R_5 + C_2C_3R_3R_5\right) + s\left(-C_1R_3 + C_1R_5 + C_2R_5\right)}$

9.2098 X-INVALID-ORDER-2098 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3R_1R_2R_3s^3 + s^2\left(C_1C_2R_1R_2 + C_1C_3R_1R_3 + C_2C_3R_2R_3\right) + s\left(C_1R_1 + C_2R_2 + C_3R_3\right) + 1}{s^4\left(C_1C_2C_3C_6R_1R_3R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_4C_6R_3R_5 + C_1C_4C_6R_5 + C_1C_$

9.2099 X-INVALID-ORDER-2099 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_6R_1R_2R_3R_6s^4 + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_6R_1R_2R_6 + C_1C_3C_6R_1R_3R_6 + C_2C_3C_6R_2R_3R_6\right) + s^2\left(C_1C_2R_1R_2 + C_1C_3R_1R_3 + C_1C_6R_1R_6 + C_2C_3R_2R_3 + C_2C_6R_2R_6 + C_3C_6R_3R_6\right) + s\left(C_1R_1 + C_2R_2 + C_3R_3 + C_6R_6\right) + 1}{s^4\left(C_1C_2C_3C_6R_1R_3R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_6R_2R_3R_5\right) + s^3\left(C_1C_2C_6R_1R_5 - C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5\right) + s^2\left(C_1C_2R_1R_2 + C_1C_3R_1R_3 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5\right) + s^2\left(C_1C_2R_1R_2 + C_1C_3R_1R_3 + C_1C_2C_6R_3R_5 + C_1C_3C_6R_3R_5\right) + s^2\left(C_1C_2R_1R_3 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_3R_5\right) + s^2\left(C_1C_2R_1R_3 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_3R_5\right) + s^2\left(C_1C_2R_1R_3 + C_1C_3C_6R_3R_5\right) + s^2\left(C_1C_3R_3R_5\right) + s^2\left(C_1$

9.2100 X-INVALID-ORDER-2100 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{s^4 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 R_2 R_3 R_5 + C_1 C_2 C_4 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_2 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_6 R_3$

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H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_6s^3 + C_5R_6 + s^2\left(C_1C_2C_5R_1R_2R_6 + C_1C_3C_5R_1R_3R_6 + C_2C_3C_5R_2R_3R_6\right) + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_6 + C_3C_5R_3R_6\right)}{C_1 + C_2 + s^2\left(C_1C_2C_3R_1R_3 + C_1C_2C_3R_2R_3 + C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3\right) + s\left(C_1C_2R_1 + C_1C_2R_2 + C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 - C_1C_5R_3 + C_2C_3R_3\right)}
9.2102 X-INVALID-ORDER-2102 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                       H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3s^3 + C_5 + s^2\left(C_1C_2C_5R_1R_2 + C_1C_3C_5R_1R_3 + C_2C_3C_5R_2R_3\right) + s\left(C_1C_5R_1 + C_2C_5R_2 + C_3C_5R_3\right)}{s^3\left(C_1C_2C_3C_6R_1R_3 + C_1C_2C_3C_6R_2R_3 + C_1C_2C_5C_6R_2R_3\right) + s^2\left(C_1C_2C_6R_1 + C_1C_2C_6R_2 + C_1C_2C_6R_3 + C_1C_3C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_2C_3C_6R_3\right) + s\left(C_1C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_6R_3\right)}
9.2103 X-INVALID-ORDER-2103 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_6s^4 + C_5 + s^3\left(C_1C_2C_3C_5R_1R_2R_3 + C_1C_2C_5C_6R_1R_2R_6 + C_1C_3C_5C_6R_1R_3R_6 + C_2C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2C_5R_1R_2 + C_1C_3C_5R_1R_3 + C_1C_5C_6R_1R_6 + C_2C_3C_5R_2R_3 + C_2C_5C_6R_2R_6 + C_3C_5C_6R_3R_6\right) + s\left(C_1C_5R_1 + C_2C_5R_2 + C_3C_5C_6R_2R_3 + C_3C_5C_6R_3R_6\right) + s\left(C_1C_5R_1 + C_2C_5C_6R_2R_3 + C_3C_5C_6R_2R_3 + C_3C_5C_6R_3R_6\right) + s\left(C_1C_5R_1 + C_2C_5C_6R_2R_3 + C_3C_5C_6R_3R_6\right) + s\left(C_1C_5R_1 + C_3C_5C_6R_3 + C_1C_5C_6R_3 + C_1C_5C_5C_6R_3 + C_1C_5C_5C_6R_3 + C_1C_5C_5C_6R_3 + C_1C_5C
9.2104 X-INVALID-ORDER-2104 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_6s^3 + C_5R_6 + s^2\left(C_1C_2C_5R_1R_2R_6 + C_1C_3C_5R_1R_3R_6 + C_2C_3C_5R_2R_3R_6\right) + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_6 + C_3C_5R_3R_6\right) + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_3R_6\right) + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_3R_6\right) + s\left(C_1C_5R_1R_3R_6 + C_1C_2C_5R_2R_3R_6\right) + s\left(C_1C_5R_1R_3R_6 + C_1C_2C_5R_2R_6\right) + s\left(C_1C_5R_1R_3R_6 + C_1C_2C_5R_2R_6\right) + s\left(C_1C_5R_1R_3R_6 + C_1C_2C_5R_2R_6\right) + s\left(C_1C_5R_1R_3R_6 + C_1C_2C_5R_3R_6\right) + s\left(C_1C_5R_1R_3R_6 + C_1C_2C_5R_2R_6\right) + s\left(C_1C_5R_1R_5R_5 + C_1C_5R_5R_5R_5\right) + s\left(
9.2105 X-INVALID-ORDER-2105 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_6s^3 + C_5R_6 + s^2\left(C_1C_2C_5R_1R_2R_6 + C_1C_3C_5R_1R_3R_6 + C_2C_3C_5R_2R_3R_6\right) + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_6 + C_3C_5R_3R_6\right)}{C_1 + C_2 + s^3\left(C_1C_2C_3C_5R_1R_3R_5 + C_1C_2C_3C_5R_2R_3R_5 + C_1C_2C_4R_2R_3 + C_1C_2C_5R_2R_3 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_2R_5 + C_1C_2C_5R_3R_5 + C_1C_3C_5R_3R_5 + C_1C_4C_5R_3R_5 + C_1C_4C_5R_5R_5 + C_1C_4C_5R_5R_5 + C_1C_4C_5R_5R_5 + C_1C_4C_5R_5R_5 + C_1C_4C_5R_5
9.2106 X-INVALID-ORDER-2106 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                          \frac{C_{1}C_{2}C_{3}C_{5}R_{1}R_{2}R_{3}s^{3}+C_{5}+s^{2}\left(C_{1}C_{2}C_{5}R_{1}R_{2}+C_{1}C_{3}C_{5}R_{1}R_{3}+C_{2}C_{3}C_{5}R_{2}R_{3}\right)+s\left(C_{1}C_{5}R_{1}+C_{2}C_{5}R_{2}+C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}+C_{1}C_{2}C_{5}C_{
9.2107 X-INVALID-ORDER-2107 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_6s^4 + C_5 + s^3\left(C_1C_2C_3C_5R_1R_2R_3 + C_1C_2C_5C_6R_1R_3R_6 + C_2C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2C_5R_1R_2 + C_1C_3C_5R_1R_3 + C_1C_5C_6R_1R_6 + C_2C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2C_5R_1R_2 + C_1C_3C_5R_1R_3 + C_1C_5C_6R_1R_3 + C_1C_5C_6R_1R_3 + C_1C_2C_5C_6R_2R_3 + C_1C_2C_5C_6
9.2108 X-INVALID-ORDER-2108 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                        \frac{1}{C_1 + C_2 + s^4 \left( C_1 C_2 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_3 C_5 R_1 R_3 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 R_1 R_3 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_6 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 R_1 R_3 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 R_1 R_3 R_5 + C_1 C_
9.2109 X-INVALID-ORDER-2109 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
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9.2101 X-INVALID-ORDER-2101 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

9.2110 X-INVALID-ORDER-2110 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_5s^4 + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_5R_1R_2R_5 + C_1C_3C_5R_1R_3R_5 + C_2C_3C_5R_2R_3R_5\right) + s^2\left(C_1C_2R_1R_2 + C_1C_3R_1R_3 + C_1C_5R_1R_5 + C_2C_3R_2R_3 + C_2C_5R_2R_5 + C_3C_5R_3R_5\right) + s\left(C_1R_1 + C_2R_2 + C_3R_3 + C_5R_5\right) + 1}{s^4\left(C_1C_2C_3C_6R_1R_3R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_6R_2R_3R_5\right) + s^3\left(C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_3 + C_1C_2C_6R_2R_5 + C_1C_2C_6R_3R_5 + C_1C_4C_6R_3R_5 +$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_5R_6s^4 + R_6 + s^3\left(C_1C_2C_3R_1R_2R_3R_6 + C_1C_2C_5R_1R_2R_5R_6 + C_1C_3C_5R_1R_3R_5R_6 + C_2C_3C_5R_2R_3R_5R_6\right) + s^2\left(C_1C_2R_1R_2R_6 + C_1C_3R_1R_3R_6 + C_1C_5R_1R_5R_6 + C_2C_5R_2R_5R_6 + C_3C_5R_3R_5R_6\right) + s\left(C_1R_1R_6 + C_2R_2R_6 + C_1C_3R_1R_3R_5 + C_1C_2R_3R_5 + C_1C_2R_3R_$

- **9.2111** X-INVALID-ORDER-2111 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_5R_6s^5 + s^4\left(C_1C_2C_3C_5R_1R_2R_3R_5 + C_1C_2C_3C_6R_1R_2R_3R_6 + C_1C_3C_5C_6R_1R_2R_5R_6 + C_1C_3C_5C_6R_1R_3R_5R_6 + C_2C_3C_5C_6R_2R_3R_5R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_5R_1R_2R_5 + C_1C_2C_6R_1R_2R_6 + C_1C_3C_5R_1R_3R_5 + C_1C_2C_6R_1R_3R_5 + C_1C_2C_6R_1R_5 + C_1C_2C$
- **9.2112** X-INVALID-ORDER-2112 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_5R_6s^4 + R_6 + s^3\left(C_1C_2C_3R_1R_2R_3R_6 + C_1C_2C_5R_1R_2R_5R_6 + C_1C_3C_5R_1R_3R_5R_6 + C_2C_3C_5R_2R_3R_5R_6\right) + s^2\left(C_1C_2C_3C_6R_1R_3R_5R_6 + C_1C_2C_3C_6R_2R_3R_5R_6 + C_1C_2C_3C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_3R_5R_6 + C_1C_2C_3R_2R_3R_5 + C_1C_2C_3R_2$
- **9.2113** X-INVALID-ORDER-2113 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
- $H(s) = \frac{C_1C_2C_3C_4R_1R_2R_3R_4R_6s^4 + R_6 + s^3\left(C_1C_2C_3R_1R_2R_3R_6 + C_1C_2C_4R_1R_2R_4R_6 + C_1C_3C_4R_1R_3R_4R_6 + C_2C_3C_4R_2R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_6 + C_1C_3R_1R_3R_6 + C_1C_4R_1R_4R_6 + C_2C_3R_2R_3R_6 + C_1C_2C_4R_1R_3R_4R_5 + C_1C_2C_3C_4R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_6 + C_1C_3R_1R_3R_6 + C_1C_4R_1R_4R_6 + C_2C_3R_2R_3R_6 + C_1C_2C_4R_2R_3R_4 + C_1C_2$
- 9.2114 X-INVALID-ORDER-2114 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_1C_2C_3C_4R_1R_2R_3R_4s^4 + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_4R_1R_2R_4 + C_1C_3C_4R_1R_3R_4 + C_2C_3C_4R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2 + C_1C_3R_1R_3 + C_1C_2C_4C_6R_1R_3R_4 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_2C_4C_6R_4R_5 + C_1C_2C_4C$
- **9.2115** X-INVALID-ORDER-2115 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_6s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_3R_6 + C_1C_2C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_3R_4R_6 + C_2C_3C_4C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_4R_1R_2R_4 + C_1C_2C_6R_1R_2R_6 + C_1C_3C_4R_1R_3R_4 + C_1C_3C_6R_1R_3R_6 + C_1C_3C_4R_1R_3R_4 + C_1C$
- **9.2116** X-INVALID-ORDER-2116 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_2 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2$
- 9.2117 X-INVALID-ORDER-2117 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_3R_4R_6s^4 + C_5R_6 + s^3\left(C_1C_2C_3C_5R_1R_2R_3R_6 + C_1C_2C_4C_5R_1R_2R_4R_6 + C_1C_3C_4C_5R_1R_3R_4R_6 + C_2C_3C_5R_1R_2R_6 + C_1C_3C_5R_1R_3R_6 + C_1C_4C_5R_1R_3R_6 + C_1C_4C_5R_1R_4R_6 + C_2C_3C_5R_2R_3R_6 + C_2C_4C_5R_2R_4R_6 + C_2C_4C_5R_2R_3R_4R_6 + C_2C_4C_5R_2R_3R_4R_6 + C_2C_4C_5R_2R_3R_4R_6 + C_2C_4C_5R_2R_3R_4 + C_2C_$
- 9.2118 X-INVALID-ORDER-2118 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_3R_4s^4 + C_5 + s^3\left(C_1C_2C_3C_5R_1R_2R_3 + C_1C_2C_4C_5R_1R_2R_4 + C_1C_3C_4C_5R_1R_3R_4 + C_2C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2C_5R_1R_2 + C_1C_3C_5R_1R_3 + C_1C_4C_5R_1R_4 + C_2C_3C_4C_5R_1R_3R_4 + C_2C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2C_5R_1R_2 + C_1C_3C_5R_1R_3 + C_1C_4C_5R_1R_4 + C_2C_3C_4C_5R_1R_3R_4 + C_2C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2C_5R_1R_2 + C_1C_3C_5R_1R_3 + C_1C_4C_5R_1R_4 + C_2C_3C_4C_5R_1R_3 + C_1C_4C_5R_1R_4 + C_2C_3C_4C_5R_1R_3 + C_1C_4C_5R_1R_4 + C_1C_4C_$
- 9.2119 X-INVALID-ORDER-2119 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_6s^5 + C_5 + s^4\left(C_1C_2C_3C_4C_5R_1R_2R_3R_4 + C_1C_2C_3C_5C_6R_1R_2R_3R_6 + C_1C_2C_4C_5C_6R_1R_3R_4R_6 + C_2C_3C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_3C_5R_1R_2R_3 + C_1C_2C_4C_5R_1R_2R_4 + C_1C_2C_5C_6R_1R_2R_6 + C_1C_3C_4C_5C_6R_1R_3R_4 + C_1C_2C_3C_4C_5R_2R_3R_4\right) + s^3\left(C_1C_2C_3C_5R_1R_2R_3 + C_1C_2C_4C_5R_1R_2R_4 + C_1C_2C_5C_6R_1R_2R_4 + C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_3C_4C_5R_2R_3R_4\right) + s^3\left(C_1C_2C_3C_6R_1R_3 + C_1C_2C_3C_6R_1R_3 + C_1C_2C_4C_5R_1R_3R_4 + C_1C_2C_4C_5R_1R_3R_4 + C_1C_2C_4C_5R_2R_3R_4\right) + s^3\left(C_1C_2C_3C_6R_1R_3 + C_1C_2C_3C_6R_1R_3 + C_1C_2C_4C_5R_1R_3R_4 + C_1C_2C_4C_5R_1R$
- 9.2120 X-INVALID-ORDER-2120 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{C_1C_2}{C_1 + C_2 + s^4 \left(C_1C_2C_3C_4C_6R_1R_3R_4R_6 + C_1C_2C_3C_4C_6R_2R_3R_4R_6 + C_1C_2C_4C_5C_6R_2R_3R_4R_6\right) + s^3 \left(C_1C_2C_3C_4R_1R_3R_4 + C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_6 C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_4C_6R_1R_4R_6 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_3C_4R_1R_3R_4 + C_1C_2C_3C_4R_2R_3R_4 + C_1C_2C_3C_4R_2$

9.2121 X-INVALID-ORDER-2121 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

9.2122 X-INVALID-ORDER-2122 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $\overline{s^5 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 \right) + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 + C_1 C_2 C_3 C_5 C_6 R_1 R_3 R_5 + C_1 C_2 C_3 C_5 C_6 R_1 R_3 R_5 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 C_6 R_2 R_5 R_5 + C_1 C_2 C_4 C_5 C_6 R_2 R_5 R_5 + C_1$

9.2123 X-INVALID-ORDER-2123 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_6s^5 + C_5 + s^4\left(C_1C_2C_3C_4C_5R_1R_2R_3R_4 + C_1C_2C_3C_5C_6R_1R_2R_3R_6 + C_1C_2C_4C_5C_6R_1R_2R_4R_6 + C_1C_3C_4C_5C_6R_1R_2R_4R_6 + C_1C_3C_4C_5C_6R_1R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_3R_4 + C_1C_2C_3C_5C_6R_1R_3R_4 +$

9.2124 X-INVALID-ORDER-2124 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\overline{C_1 + C_2 + s^5 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_6 + C$

9.2125 X-INVALID-ORDER-2125 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5R_6s^5 + R_6 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4R_6 + C_1C_2C_3C_5R_1R_2R_3R_5R_6 + C_1C_2C_4C_5R_1R_2R_4R_5R_6 + C_1C_3C_4C_5R_1R_3R_4R_5R_6 + C_2C_3C_4C_5R_2R_3R_4R_5R_6 \right) + s^3\left(C_1C_2C_3R_1R_2R_3R_6 + C_1C_2C_4R_1R_2R_4R_6 + C_1C_2C_5R_1R_2R_5R_6 + C_1C_3C_4C_5R_1R_3R_4R_5 + C_1C_2C_3R_1R_3R_4R_5 + C_1C_2C_3R_1R_3R_5 + C_1C_2$

9.2126 X-INVALID-ORDER-2126 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_5R_1R_2R_3R_5 + C_1C_2C_4C_5R_1R_2R_4R_5 + C_1C_3C_4C_5R_1R_3R_4R_5 + C_2C_3C_4C_5R_1R_2R_3 + C_1C_2C_4R_1R_2R_4 + C_1C_2C_5R_1R_2R_5 + C_1C_3C_4R_1R_3R_4 + C_1C_3C_5R_1R_3R_4R_5 + C_1C_2C_4C_5R_1R_3R_4R_5 + C_1C_2C_4C_5R_1R_3R_4R_5 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_2C_4C_6R_2R_$

9.2127 X-INVALID-ORDER-2127 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

9.2128 X-INVALID-ORDER-2128 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{c_1c_2c_3c_4c_5n_1n_2n_3n_4n_6}{s^5\left(C_1C_2C_3C_4C_6R_1R_3R_4R_5R_6+C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6-C_1C_2C_4C_5C_6R_2R_3R_4R_5+C_1C_2C_3C_4R_1R_3R_4R_5+C_1C_2C_3C_6R_1R_3R_5R_6+C_1C_2C_3C_6R_2R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_3R_4R_5+C_1C_2C_4C_5R_4R_4R_5+C_1C_2C_4C_5R_4R_5+C_1C_2C_4C_5R_4R_5+C_1C_2C_4C_5R_5+C_1C_2C_4C_5R_5+C_1C_2C_4C_5R_5+C_1C_2C_4C_5R_5+C_1C_2C_4C_5R_5+C_1C_2C_4C_5R_5+C_1C_2C_4C_5R_5+C_1C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4C_5+C_2C_4+C_2C_4+C_2C_4+C_2C_4+C_2C_4+C_2C_4+C_$

9.2129 X-INVALID-ORDER-2129 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_2C_3R_1R_2R_3R_4R_6s^3 + R_4R_6 + s^2\left(C_1C_2R_1R_2R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_2C_3R_2R_3R_4R_6\right) + s\left(C_1R_1R_4R_6 + C_2R_2R_4R_6 + C_3R_3R_4R_6\right)}{s^3\left(C_1C_2C_3R_1R_3R_4R_5 + C_1C_2C_3R_2R_3R_4R_5 + C_1C_2R_2R_3R_4R_5 + C_1C_2R_2R_3R_4R_5 + C_1C_2R_3R_4R_5 +$

9.2130 X-INVALID-ORDER-2130 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

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

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9.2131 X-INVALID-ORDER-2131 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_1C_2C_3C_6R_1R_2R_3R_4R_6s^4 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_4R_6 + C_2C_3C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_6R_1R_4R_6 + C_2C_3R_2R_3R_4 + C_2C_6R_2R_4R_6 + C_3C_6R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_2R_3R_4R_6 + C_2C_3R_2R_3R_4 + C_1C_3R_3R_4R_6 + C_2C_3R_2R_3R_4 + C_2C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_4 + C_2R_3R_4R_6 + C_2C_3R_2R_3R_4 + C_2C_3R_2$

9.2132 X-INVALID-ORDER-2132
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $C_1C_2C_3R_1R_2R_3R_4R_6s^3 + R_4R_6 + s^2$

 $\frac{C_1C_2C_3R_1R_3R_4R_5F_6 + C_1C_2C_3R_2R_3R_4R_5F_6 + C_1C_2C_3R_2R_3R_4R_5F_6 + C_1C_2C_3R_2R_3R_4R_5F_6 + C_1C_2C_3R_2R_3R_4R_5 + C_1C_2C_3R_2R_$

9.2133 X-INVALID-ORDER-2133
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_4R_6 + s^2\left(C_1C_2C_5R_1R_2R_4R_6 + C_1C_3C_5R_1R_3R_4R_6 + C_2C_3C_5R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_2C_5R_2R_3R_4\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_2R_3 + C_1C_2R_3R_4 + C_1C_3R_3R_4 + C_1C_4R_3R_4 + C_1C_4R_3R_4$

9.2134 X-INVALID-ORDER-2134 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

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

9.2135 X-INVALID-ORDER-2135 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4 + C_1C_2C_5R_1R_2R_4 + C_1C_2C_5R_1R_4R_6 + C_2C_3C_5R_2R_3R_4 + C_1C_2C_5R_3R_4 + C_1C_$

9.2136 X-INVALID-ORDER-2136 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_4R_6 + s^2(C_1C_2C_5R_1R_2R_4R_6 + C_1C_3C_5R_1R_3R_4R_6)$

 $\frac{C_{1}C_{2}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{6}s^{3} + C_{5}R_{4}R_{6} + s^{2}\left(C_{1}C_{2}C_{5}R_{1}R_{2}R_{4}R_{6} + C_{1}C_{3}C_{5}R_{1}R_{3}R_{4}R_{6}\right)}{C_{1}R_{3} + C_{1}R_{4} + c_{2}R_{4} + s^{3}\left(C_{1}C_{2}C_{3}C_{6}R_{1}R_{3}R_{4}R_{6} + C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{6} + C_{1}C_{2}C_{5}C_{6}R_{2}R_{3}R_{4}R_{6}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{4}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{5}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{4}R_{6} + C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{6}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{4}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{5}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{4}R_{6} + C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{6}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{4}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{4}R_{6} + C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{6}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{5}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{4}R_{6} + C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{6}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{5}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{4}R_{6} + C_{1}C_{2}C_{6}R_{2}R_{3}R_{4}R_{6}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{5}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{5}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{6}R_{1}R_{3}R_{4}\right) + s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{3}R_{4} + C_{1}C_{2}C_{5}R_{1}R_{3}R_{4} + C_{$

9.2137 X-INVALID-ORDER-2137 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_4R_6 + s^2\left(C_1C_2C_5R_1R_2R_4R_6 + C_1C_3C_5R_1R_3R_4R_6 + C_2C_3C_5R_2R_3R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_2C_5R_2R_3R_4 + C_1C_2C_3R_2R_4 + C_1C_2C_3R_$

9.2138 X-INVALID-ORDER-2138 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $\frac{C_1C_2C_3C_5R_1R_2R_3R_4s^\circ + C_5R_4 + s^\circ (C_1C_2C_5R_1R_2R_3R_4s^\circ + C_5R_4 + s^\circ (C_1C_2C_5R_1R_2R_3R_4 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R$

9.2139 X-INVALID-ORDER-2139 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_4R_6 + C_1C_3C_5C_6R_1R_3R_4R_6 + C_2C_3C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_3C_5C_6R_1R_3R_4R_5 + C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_2C_5C_6R$

9.2140 X-INVALID-ORDER-2140 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_{1}R_{3} + C_{1}R_{4} + C_{2}R_{4} + s^{4}\left(C_{1}C_{2}C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{2}C_{4}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{5}R_{1}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{5}R_{1}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{5}R_{2}R_{3}R_{4}R_{$

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9.2141 X-INVALID-ORDER-2141 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
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 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_5R_6s^4 + R_4R_6 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_6 + C_1C_2C_5R_1R_2R_4R_5R_6 + C_2C_3C_5R_2R_3R_4R_5 + C_1C_2R_1R_2R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_1C_3R_1R_3R_4R_6 + C_2C_3R_2R_3R_4R_6 + C_2C_3R_2R_3R_4R_$

9.2142 X-INVALID-ORDER-2142
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_5s^4 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_4R_5 + C_1C_3C_5R_1R_3R_4R_5 + C_2C_3C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_4R_5 + C_2C_3R_2R_3R_4 + C_2C_5R_2R_4R_5 + C_3C_5R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_2C_6R_3R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_2C_6R_3R_4R_5 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4R_5 + C_1C_2C_6R_3R_4 + C_1C_2C_6R_3R_4 + C_1$

9.2143 X-INVALID-ORDER-2143
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_4 + s^4\left(C_1C_2C_3C_5R_1R_2R_3R_4R_5 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_5C_6R_1R_2R_4R_5R_6 + C_1C_3C_5C_6R_1R_3R_4R_5R_6 + C_2C_3C_5C_6R_2R_3R_4R_5R_6 \right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_4R_5 + C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_2C_5C_6R_2R_3R_4R_5 + C_1$

9.2144 X-INVALID-ORDER-2144
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_3R_4R_5R_6s^4 + R_4R_6 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_6 + C_1C_2C_5R_1R_2R_3R_4R_6 + C_1C_2C_5R_1R_2R_3R_4R_6 + C_1C_2C_5R_1R_2R_3R_4R_6 + C_1C_2C_3R_1R_3R_4R_5 + C_1C_2C_3R_2R_3R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_2C_3R_3R_$

9.2145 X-INVALID-ORDER-2145 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1R_1R_2R_4s + R_2R_4}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5\right)}$$

9.2146 X-INVALID-ORDER-2146 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_6R_1R_2R_4R_6s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5\right)}$$

9.2147 X-INVALID-ORDER-2147 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1 R_1 R_2 R_4 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 R_2 R_3 R_4 R_5 + C_1 C_6 R_1 R_4 R_5 R_6 - C_1 C_6 R_2 R_3 R_4 R_6 + C_1 C_6 R_2 R_4 R_5 R_6 + C_1 C_6 R_5 R_5 R_6 + C_$$

9.2148 X-INVALID-ORDER-2148 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_2C_6R_1R_2R_4R_6 + C_1C_2C_6R_2R_3R_4R_6 - C_1C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_1C_6R_2R_4R_6\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_1C_6R_2R_4R_6\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_6\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_3R_4 + C_1R_3R_4 + C_1R_3R_4 + C_1R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_3R_4 + C_1R_3R_4 + C_1R_3R_4 + C_1R_3R_4 + C_1R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_4\right) + s\left(C_1R_1R_4 + C_1R_4\right) + s\left(C_1R_1R_4 + C_1R_4\right) + s\left(C_1R_1R_4 + C_$$

9.2149 X-INVALID-ORDER-2149 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_2C_5R_1R_2R_4R_5 + C_1C_2C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_5R_1R_4R_5 - C_1C_5R_2R_3R_4 + C_1C_5R_2R_4R_5 + C_1C_5R_2R_4R_5\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_5R_4R_5\right)}$$

9.2150 X-INVALID-ORDER-2150 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4s + C_5R_2R_4}{C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_2C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_3R_4R_5 + C_1C_5C_6R_3R_4R_5$$

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9.2151 X-INVALID-ORDER-2151 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_2C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R
9.2152 X-INVALID-ORDER-2152 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{R_4 + s^4 \left( C_1 C_2 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_6 R_2 R_3 R_4 R_6 + C_1 C_5 C_6 R_2 R_3 R_4 R_6
9.2153 X-INVALID-ORDER-2153 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                   H(s) = \frac{C_1C_5R_1R_2R_4R_5s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right)}
9.2154 X-INVALID-ORDER-2154 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                  H(s) = \frac{C_1C_5C_6R_1R_2R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_1C_5R_1R_2R_4R_5 + C_1C_6R_1R_2R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5\right)}
9.2155 X-INVALID-ORDER-2155 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^3\left(C_1C_2C_6R_1R_2R_4R_5R_6 + C_1C_2C_6R_2R_3R_4R_5R_6 + C_1C_5R_2R_3R_4R_5 + C_1C_5R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_4R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C_6R_5R_5 + C_1C
9.2156 X-INVALID-ORDER-2156 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                           H(s) = \frac{C_1 R_1 R_2 s + R_2}{C_6 R_5 s + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_5 + C_1 C_2 C_6 R_2 R_3 R_5 + C_1 C_4 C_6 R_2 R_3 R_5\right) + s^2 \left(C_1 C_6 R_1 R_5 - C_1 C_6 R_2 R_3 + C_1 C_6 R_2 R_5 + C_1 C_6 R_3 R_5 + C_2 C_6 R_2 R_5\right)}
9.2157 X-INVALID-ORDER-2157 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                           H(s) = \frac{C_1C_6R_1R_2R_6s^2 + R_2 + s\left(C_1R_1R_2 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_2C_6R_1R_2R_5 + C_1C_2C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5\right)}
9.2158 X-INVALID-ORDER-2158 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                          \frac{C_{1}R_{1}R_{2}R_{6}s+R_{2}R_{6}}{R_{5}+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{5}R_{6}+C_{1}C_{2}C_{6}R_{2}R_{3}R_{5}R_{6}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{5}R_{6}\right)+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{3}R_{5}+C_{1}C_{4}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{4}R_{2}R_{3}R_{5}+C_{1}C_{4}R_{2}R_{3}R_{5}+C_{1}C_{4}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C
9.2159 X-INVALID-ORDER-2159 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
               H(s) = \frac{C_1C_5R_1R_2R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_2C_6R_1R_2R_6 + C_1C_2C_6R_2R_3R_6 + C_1C_4C_6R_2R_3R_6 - C_1C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_1C_6R_2R_6 + C_1C_6R_3R_6 + C_2C_6R_2R_6\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_2R_2 + C_6R_6\right) + 1}
9.2160 X-INVALID-ORDER-2160 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                H(s) = \frac{C_1C_5R_1R_2R_6s^2 + C_5R_2R_6s}{s^3\left(C_1C_2C_5R_1R_2R_5 + C_1C_2C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_5R_1R_5 - C_1C_5R_2R_3 + C_1C_5R_2R_5 + C_1C_5R_2R_5 + C_1C_5R_2R_5\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_2R_2 + C_5R_5\right) + 1}
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9.2161 X-INVALID-ORDER-2161 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_5R_1R_2s + C_5R_2}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_2R_5 + C_1C_2C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_2R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_3 + C_2C_6R_3 + C_1C_5C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_1C_6R_3 + C_1C_6R_3 + C_1C_6R_3 + C_1C_6R_3 + C_1C_6R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_3 + C_1C_6R_3 + C_1C_6R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_3 +
9.2162 X-INVALID-ORDER-2162 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_5C_6R_1R_2R_6s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_5C_6R_2R_6\right)}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_2R_5 + C_1C_2C_5C_6R_2R_3R_5 + C_1C_4C_5R_2R_3R_5\right) + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_3 + C_1C_5C_6R_2R_3 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_5 + C_1C_5C_6R_5 + C_1C_5C_6R_5R_5 + C_1C_5C_6R_5 + C_1
9.2163 X-INVALID-ORDER-2163 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_5R_1}{s^4\left(C_1C_2C_5C_6R_1R_2R_5R_6 + C_1C_2C_5C_6R_2R_3R_5R_6 + C_1C_4C_5R_2R_3R_5R_6 + C_1C_2C_5R_1R_2R_5 + C_1C_2C_6R_1R_2R_6 + C_1C_2C_6R_2R_3R_6 + C_1C_4C_6R_2R_3R_6 + C_1C_5C_6R_2R_3R_6 + C_1C_5C_6R_2R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_6
9.2164 X-INVALID-ORDER-2164 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                   H(s) = \frac{C_1C_5R_1R_2R_5s^2 + R_2 + s\left(C_1R_1R_2 + C_5R_2R_5\right)}{C_6R_5s + s^3\left(C_1C_2C_6R_1R_2R_5 + C_1C_2C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5\right)}
9.2165 X-INVALID-ORDER-2165 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                   H(s) = \frac{C_1C_5C_6R_1R_2R_5R_6s^3 + R_2 + s^2\left(C_1C_5R_1R_2R_5 + C_1C_6R_1R_2R_6 + C_5C_6R_2R_5R_6\right) + s\left(C_1R_1R_2 + C_5R_2R_5 + C_6R_2R_6\right)}{C_6R_5s + s^3\left(C_1C_2C_6R_1R_2R_5 + C_1C_2C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 - C_1C_5C_6R_2R_3R_5\right) + s^2\left(C_1C_6R_1R_5 - C_1C_6R_2R_3 + C_1C_6R_2R_5 + C_1C_6R_3R_5 + C_2C_6R_2R_5\right)}
9.2166 X-INVALID-ORDER-2166 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                  \frac{C_{1}C_{5}R_{1}R_{2}R_{5}R_{6}s^{2}+R_{2}R_{6}+s\left(C_{1}R_{1}R_{2}R_{6}+C_{5}R_{2}R_{5}R_{6}\right)}{R_{5}+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{5}R_{6}+C_{1}C_{2}C_{6}R_{2}R_{3}R_{5}R_{6}-C_{1}C_{5}C_{6}R_{2}R_{3}R_{5}R_{6}\right)+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{5}+C_{1}C_{2}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{6}+C_{1}C_{6}R_{2}R_{3}R_{
9.2167 X-INVALID-ORDER-2167 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_1C_4R_1R_2R_4R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_4R_2R_4R_6\right)}{R_5 + s^3\left(C_1C_2C_4R_1R_2R_4R_5 + C_1C_2R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_2R_2R_3R_5 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_4R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5 + C_4R_4R_5\right)}
9.2168 X-INVALID-ORDER-2168 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4R_1R_2R_4s^2 + R_2 + s\left(C_1R_1R_2 + C_4R_2R_4\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_1R_2R_4R_5 + C_1C_2C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_2R_5 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_
9.2169 X-INVALID-ORDER-2169 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{1}{R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 R_6 + C_1 C_4 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_4 C_6 R_4 R_5 R_6 + C_1 C_4 C_6 R_4 R_5 R_6 + C_1 C_4 C_6 R_4 R_5 R_6 + C_1 C_4 C$

 $H(s) = \frac{C_1C_4C_6R_1R_2R_4R_6s^3 + R_2 + s^2\left(C_1C_4R_1R_2R_4 + C_1C_6R_1R_2R_6 + C_4C_6R_2R_4R_6\right) + s\left(C_1R_1R_2 + C_4R_2R_4 + C_6R_2R_6\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_1R_2R_4 + C_1C_2C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_4R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_$

9.2170 X-INVALID-ORDER-2170 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

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9.2171 X-INVALID-ORDER-2171 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                               H(s) = \frac{C_1C_4C_5R_1R_2R_4R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_4C_5R_2R_4R_6\right)}{s^3\left(C_1C_2C_4R_1R_2R_4 + C_1C_2C_4R_2R_3R_4 - C_1C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_1R_4 + C_1C_4R_2R_3 + C_1C_4R_2R_4 + C_1C_4R_4R_4 + C_1
9.2172 X-INVALID-ORDER-2172 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5R_1R_2R_4s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_4C_5R_2R_4\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_4 + C_1C_2C_4C_6R_2R_3R_4 - C_1C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_4R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4C_6R_4 + C_1C_4
9.2173 X-INVALID-ORDER-2173 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5C_6R_1R_2R_4R_6s^3 + C_5R_2 + s^2\left(C_1C_4C_5R_1R_2R_4 + C_1C_5C_6R_1R_2R_6 + C_4C_5C_6R_2R_4R_6\right) + s\left(C_1C_5R_1R_2 + C_4C_5R_2R_4 + C_5C_6R_2R_4\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_4 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_3 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_2R_4 + C_1C_5C_6R_2R_3 + C_2C_4C_6R_2R_4\right) + s\left(C_1C_5R_1R_2 + C_4C_5R_2R_4 + C_1C_4C_6R_2R_4 + C_1C_4C_6R_4 + C_1C_4C
9.2174 X-INVALID-ORDER-2174 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                              \frac{C_{1}C_{4}C_{5}R_{1}R_{2}R_{4}R_{6}s^{3}+C_{1}C_{2}C_{4}C_{6}R_{1}R_{2}R_{4}R_{6}-C_{1}C_{4}C_{5}C_{6}R_{2}R_{3}R_{4}R_{6}-C_{1}C_{4}C_{5}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{4}R_{1}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{1}R_{2}R_{6}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{4}R_{6}+C_{1}C_{4}C_{6}R_{2}R_{4}+C_{1}C_{4}C_{6}R_{2}R_{4}+C_{1}C_{4}C_{6}R_{4}+C_{1}C_{4}C_{6}R_{4}+C_{1}C_{4}C_{6}R_{4}+C_{1}C
9.2175 X-INVALID-ORDER-2175 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_4C_5R_1R_2R_4R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2\right)}{s^4\left(C_1C_2C_4C_5R_1R_2R_4R_5 + C_1C_2C_4C_5R_2R_3R_4 + C_1C_2C_5R_1R_2R_5 + C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_4 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_5R_3R_4R_5 + C_1C_4C_5R_4R_5R_4 + C_1C_4C_5R_4R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_4C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 + C_1C_5R_5R_5R_5 
9.2176 X-INVALID-ORDER-2176 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C}{C_6 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_4 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_5 + C_1 C_2 C_5 C_6 R_2 R_3 R_5 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_4 C_5 C_6 R_2 R_3 R_5 + C_1 C_4 C_5 C_6 R_5 R_5 R_5 + C_1 C_4 C_5 C_6 R_5 R_5 R_5 
9.2177 X-INVALID-ORDER-2177 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5C_6R_1R_2R_4R_6s^3 + C_5R_2 + s^2 (C_1C_2C_4C_5C_6R_1R_2R_4R_5 + C_1C_2C_4C_5R_1R_2R_4 + C_1C_2C_4C_6R_1R_2R_4 + C_1C_2C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_2R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_3R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_5C_6R_5R_5 + C_1C_4C_
9.2178 X-INVALID-ORDER-2178 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $\overline{s^5 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_2 R_3 R_4 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_4 R_5 R_6 - C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_4 R_5 R_5 + C_1 C_4 C_5 R_5 R_5 R_5 + C_1 C$

9.2179 X-INVALID-ORDER-2179 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_4C_5R_1R_2R_4R_5R_6s^3 + R_2R_6 + s^2\left(C_1C_4R_1R_2R_4R_6 + C_1C_5R_1R_2R_5R_6 + C_4C_5R_2R_4R_5R_6\right) + s\left(C_1R_1R_2R_6 + C_4R_2R_4R_6 + C_5R_2R_5R_6\right)}{R_5 + s^3\left(C_1C_2C_4R_1R_2R_4R_5 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_4 + C_1C_4R_2R_4R_5 + C_1C_4R_4R_4R_5 + C_1C_4$

9.2180 X-INVALID-ORDER-2180 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_4C_5R_1R_2R_4R_5s^3 + R_2 + s^2\left(C_1C_4R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_1R_1R_2 + C_4R_2R_4 + C_5R_2R_5\right)}{C_6R_5s + s^4\left(C_1C_2C_4C_6R_1R_2R_4 + C_1C_2C_4C_6R_2R_3R_4R_5 - C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_6R_3R_4R_5 + C_1C_4C_$

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9.2181 X-INVALID-ORDER-2181 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_4C_5C_6R_1R_2R_4R_5R_6s^4 + R_2 + s^3\left(C_1C_4C_5R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_6 + C_1C_5C_6R_1R_2R_5R_6 + C_4C_5C_6R_2R_4R_5R_6\right) + s^2\left(C_1C_4R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_1C_6R_1R_2R_6 + C_4C_5R_2R_4R_5 + C_4C_6R_2R_4R_6 + C_5C_6R_2R_4R_5 + C_4C_5R_2R_4R_5 + C_4C_5R_4R_4R_5 + C_4C_5R_4R_4R_5
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9.2182 X-INVALID-ORDER-2182 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 R_5 R_6 - C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 R_2 R_3 R_4 R_5 + C_1 C_2 C_6 R_2 R_3$

9.2183 X-INVALID-ORDER-2183 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1 R_1 R_2 R_4 s + R_2 R_4}{C_6 R_4 R_5 s + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_6 R_2 R_3 R_4 R_5 + C_1 C_4 C_6 R_2 R_3 R_4 R_5\right) + s^2 \left(C_1 C_6 R_1 R_4 R_5 - C_1 C_6 R_2 R_3 R_4 + C_1 C_6 R_2 R_3 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_2 R_4 R_5\right)}$

9.2184 X-INVALID-ORDER-2184 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_6R_1R_2R_4R_6s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_3R_4R_5 + C_2C_6R_2R_4R_5\right)}$

9.2185 X-INVALID-ORDER-2185 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1 R_1 R_2 R_4 R_6 s + R_2 R_4 R_6}{R_4 R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_4 R_2 R_3 R_4 R_5 + C_1 C_4 R_2 R_3 R_4 R_5 + C_1 C_6 R_2 R_4 R_5 + C_1 C_6 R_4 R_5 + C_1 C_6 R_5 R_5$

9.2186 X-INVALID-ORDER-2186 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_2C_6R_1R_2R_4R_6 + C_1C_2C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_6 - C_1C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_5R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_4R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_6 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_4R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_4R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_4R_2R_3R_4 + C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_4R_2R_3R_4 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_4R_2R_3R_4 + C_1C_6R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_4R_2R_4R_6\right) + s^2\left(C_1C_2R_1R_4R_4 + C_1C_4R_4R_4\right) + s^2\left(C_1C_2R_1R_4R_4 + C_1C_4R_4R_4\right) + s^2\left(C_1C_2R_1R_4R_4 + C_1C_4R_4R_4\right) + s^2\left(C_1C_2R_4R_4R_4\right) + s^2\left(C_1C_4R_4R_4\right) + s^2\left(C_1C_4R$

9.2187 X-INVALID-ORDER-2187 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_5R_1R_2R_4R_6s^2 + C_5R_2R_4R_6s}{R_4 + s^3\left(C_1C_2C_5R_1R_2R_4R_5 + C_1C_2C_5R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4 + C_1C_2R_2R_3R_4 + C_1C_5R_1R_4R_5 - C_1C_5R_2R_3R_5 + C_1C_5R_2R_4R_5 + C_1C_5R_4R_4R_5 + C_1C_5R_4R_4R_5 + C_1C_5R_4R_4R_5 + C_1C_5R_4R_4R_5 + C_1C_5R_4R_4R_5 + C_1C_5R_4R_4R_5 + C_1C_5R_4R_5 + C_1C_5R_5R_5R_5 + C_1C_$

9.2188 X-INVALID-ORDER-2188 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_1C_5R_1R_2R_4s + C_5R_2R_4$

 $H(s) = \frac{C_1C_5R_1R_2R_4s + C_5R_2R_4}{C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_3R_4 + C_$

9.2189 X-INVALID-ORDER-2189 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_3R_4 + C_1C_5C_6R$

9.2190 X-INVALID-ORDER-2190 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\overline{R_4 + s^4 \left(C_1 C_2 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_5 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_2 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_6 R_2 R_3 R_4 R_5 +$

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9.2192 X-INVALID-ORDER-2192 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                       H(s) = \frac{C_1C_5C_6R_1R_2R_4R_5R_6s^3 + R_2R_4 + s^2\left(C_1C_5R_1R_2R_4R_5 + C_1C_6R_1R_2R_4R_6 + C_5C_6R_2R_4R_5R_6\right) + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5 + C_6R_2R_4R_6\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right)}
9.2193 X-INVALID-ORDER-2193 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^3\left(C_1C_2C_6R_1R_2R_4R_5R_6 + C_1C_2C_6R_2R_3R_4R_5R_6 - C_1C_5C_6R_2R_3R_4R_5 + C_1C_2R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_4R_4R_5R_5 + C_1C_4R_4R_5 + C_1C_4R_4R_5 + C_1C_4R_4R_5 + C_1C_4R_4R_5 + C_1C_4R_5 + C_1C
9.2194 X-INVALID-ORDER-2194 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                   H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.2195 X-INVALID-ORDER-2195 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                   H(s) = \frac{C_1C_3C_6R_1R_2R_4R_6s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.2196 X-INVALID-ORDER-2196 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{C_1C_2C_3C_6R_1R_2R_4R_5R_6s^3 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + c_1C_2C_6R_2R_4R_5R_6 + C_1C_3C_6R_1R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5 + C_1C
9.2197 X-INVALID-ORDER-2197 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1C_2C_3C_6R_1R_2R_4R_6s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_
9.2198 X-INVALID-ORDER-2198 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1C_2C_3C_5R_1R_2R_4R_5s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3R_2R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_2R_5 + C_1C_5R_4R_5 + C_2C_3R_2R_4 + C_3C_5R_4R_5 + C_3C_3R_4R_5 +
9.2199 X-INVALID-ORDER-2199 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_2C_3C_5C_6R_1R_2R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_1R_2R_4 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_6R_4 + C_1C_
9.2200 X-INVALID-ORDER-2200 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_2C_3C_5C_6R_1R_2R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + c_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_1R_2R_4 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5\right) + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_
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 $H(s) = \frac{C_1C_5R_1R_2R_4R_5s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_5R_2R_4R_5\right)}{C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 - C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right)}$

9.2191 X-INVALID-ORDER-2191 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

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9.2201 X-INVALID-ORDER-2201 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.2202 X-INVALID-ORDER-2202 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                  H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.2203 X-INVALID-ORDER-2203 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                  H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 - C_1C_5C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_3C_6R_4R_6\right)}
9.2204 X-INVALID-ORDER-2204 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{C_1C_2C_3C_6R_1R_2R_4R_5R_6s^3 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + c_3R_4R_5 + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_4R_5 + C_1C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(C_1C_2R_4R_5R_5\right) + s\left(C_1C_2R_4R_5\right) + 
9.2205 X-INVALID-ORDER-2205 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                        H(s) = \frac{C_1C_3R_1R_2s + C_3R_2}{C_1C_2C_3C_6R_1R_2R_5s^3 + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
9.2206 X-INVALID-ORDER-2206 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                      H(s) = \frac{C_1C_3C_6R_1R_2R_6s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_6R_2R_6\right)}{C_1C_2C_3C_6R_1R_2R_5s^3 + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
9.2207 X-INVALID-ORDER-2207 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_6s + C_3R_2R_6}{C_1C_2C_3C_6R_1R_2R_5R_6s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_1R_2R_5 + C_1C_3C_6R_2R_5R_6 + C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_4R_5R_5 + C_1C_4C_6R_5R_5 + C_1C_4C_6R_5R_5R_5 + C_1C_4C_6R_5R_5R_5 + C_1C_4C_6R_5R_
9.2208 X-INVALID-ORDER-2208 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                          \frac{C_{1}C_{3}C_{5}R_{1}R_{2}R_{6}s^{2}+C_{3}C_{5}R_{2}R_{6}s}{C_{1}C_{2}C_{3}C_{6}R_{1}R_{2}R_{6}s^{3}+C_{1}+C_{3}+s^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{2}+C_{1}C_{2}C_{6}R_{2}R_{6}+C_{1}C_{3}C_{6}R_{2}R_{6}+C_{1}C_{3}C_{6}R_{2}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{6}+C_{1}C_{5}C_{6}R_{2}R_{6}+C_{2}C_{3}C_{6}R_{2}R_{6}\right)+s\left(C_{1}C_{2}R_{2}+C_{1}C_{3}R_{2}+C_{1}C_{3}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{6}R_{6}+C_{2}C_{3}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{5}R_{2}+C_{1}C_{
9.2209 X-INVALID-ORDER-2209 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                          H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1C_2C_3C_5R_1R_2R_5s^3 + C_1 + C_3 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_2C_5R_2R_5 + C_1C_3C_5R_1R_5 + C_1C_4C_5R_2R_5 + C_2C_3C_5R_2R_5\right) + s\left(C_1C_2R_2 + C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_2 - C_1C_5R_2 + C_1C_5R_5 + C_2C_3R_5 + C_1C_4C_5R_5\right)}
9.2210 X-INVALID-ORDER-2210 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                           \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_2C_3C_5C_6R_1R_2R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_3C_6R_1R_2 + C_1C_2C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5 + C_1C_3C_6R_2 + C_1
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H(s) = \frac{C_1C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6\right)}{C_1C_2C_3C_5C_6R_1R_2R_5s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_3C_6R_1R_2 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_3C_6R_2 + C_1C
9.2212 X-INVALID-ORDER-2212 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.2213 X-INVALID-ORDER-2213 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                                                                                       H(s) = \frac{C_1C_3C_5R_1R_2R_5s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5\right)}{C_1C_2C_3C_6R_1R_2R_5s^3 + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
9.2214 X-INVALID-ORDER-2214 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                      H(s) = \frac{C_1C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_5R_1R_2R_5 + C_1C_3C_6R_1R_2R_6 + C_3C_5C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{C_1C_2C_3C_6R_1R_2R_5s^3 + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_2R_5 + C_1C_4C_6R_2R_5 - C_1C_5C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_2 + C_1C_6R_5 + C_3C_6R_5\right)}
9.2215 X-INVALID-ORDER-2215 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6\right)}{C_1C_2C_3C_6R_1R_2R_5R_6s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_1R_2R_5 + C_1C_3C_6R_1R_5R_6 + C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6 + C_1C
9.2216 X-INVALID-ORDER-2216 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_1C_3C_4R_1R_2R_4R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6\right)}{C_1C_2C_3C_4R_1R_2R_4R_5s^3 - C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_1R_2R_5 + C_1C_2C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_1R_5 + C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 + C_2C_3R_2R_5 + C_3C_4R_4R_5\right)}
9.2217 X-INVALID-ORDER-2217 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4R_1R_2R_4s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4\right)}{C_1C_2C_3C_4C_6R_1R_2R_4S^4 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_2C_3C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2
9.2218 X-INVALID-ORDER-2218 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_6R_1R_2R_4R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_6R_1R_2R_6 + C_3C_4C_6R_2R_4R_6\right) + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4 + C_3C_6R_2R_6\right)}{C_1C_2C_3C_4C_6R_1R_2R_4R_5s^4 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_2R_5 + C_1C_3C_6R_2R_
9.2219 X-INVALID-ORDER-2219 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_4R_5R_6s^4 - C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_4C_6R_2R_4R_5R_6 + C_1C_3C_4C_6R_2R_4R_5R_6 + C_1C_3C_4C_6R_3R_4R_5R_5 + C_1C_3C_4C_6R_3R_4R_5R_5 + C_1C_3C_4C_6R_5R_5R_5 + C_1C_3C_4C_6R_5R_5R_5 + C_1C_3C_4C_6R_5R_5R_5 + C_
9.2220 X-INVALID-ORDER-2220 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                              H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2\left(C_1C_3C_5R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right)}{C_1C_2C_3C_4R_1R_2R_4s^3 + C_1 + C_3 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_2C_4R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_4C_5R_2R_4 + C_2C_3C_4R_2R_4\right) + s\left(C_1C_2R_2 + C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_4 - C_1C_5R_2 + C_2C_3R_4 + C_2C_3C_4R_4\right)}
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9.2211 X-INVALID-ORDER-2211 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

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9.2221 X-INVALID-ORDER-2221 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4\right)}{C_1C_2C_3C_4C_6R_1R_2R_4s^3 + C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_3C_6R_1R_2 + C_1C_2C_4C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_4C_5C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_6R_2 
9.2222 X-INVALID-ORDER-2222 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
9.2223 X-INVALID-ORDER-2223 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_1C_2C_3C_4C_6R_1R_2R_4R_6s^3 + C_1C_2C_3C_4C_6R_1R_2R_4R_6s^3 + C_1C_2C_3C_4C_6R_1R_2R_4R_6s^4 + C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_4C_6R_2R_4R_6 + C_1C_3C_4C_6R_2R_4R_6 + C_1C_3C_4C_4C_4R_4R_6 + C_1C_3C_4C
9.2224 X-INVALID-ORDER-2224 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2 (C_1C_2C_3C_4R_1R_2R_4R_5s^4 + C_1 + C_3 + s^3 (C_1C_2C_3C_4R_1R_2R_4 + C_1C_2C_3C_5R_1R_2R_5 + C_1C_3C_4C_5R_2R_4R_5 + C_1C_3C_4C_5R_4R_5 + C_1C_3C_4C_5R_5R_5R_5 + C_1C_3C_4C_5R_5R_5R_5 + C_1C_3C_4C_5R_5R_5R_5 + C_1C_3C_4C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_
9.2225 X-INVALID-ORDER-2225 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
9.2226 X-INVALID-ORDER-2226 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                 \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2R_4R_5s^4 + C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2R_4R_5 + C_1C_3C_4C_5C_6R_1R_2R_4R_5s^4 + C_1C_3C_4C_5C_6R_1R_2R_4R_5 + C_1C_3C_4C_5C_6R_2R_4R_5 + C_1C_3C_4C_
9.2227 X-INVALID-ORDER-2227 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_4R_5R_6s^5 + C_1 + C_3 + s^4(C_1C_2C_3C_4C_5R_1R_2R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_4R_6 + C_1C_2C_4C_5C_6R_2R_4R_5R_6 + C_1C_3C_4C_5C_6R_1R_4R_5R_6 + C_1C_3C_4C_5C_6R_2R_4R_5R_6 + C_1C_3C_4C_5C_6R_4R_5R_5C_6R_5R_5R_5C_6R_5R_5R_5C_6R_5R_5C_5R_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5R_5C_5
9.2228 X-INVALID-ORDER-2228 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
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 $\frac{C_{1}C_{3}C_{4}C_{5}R_{1}R_{2}R_{4}R_{5}R_{6}s^{3}+C_{3}R_{2}R_{6}+s^{2}\left(C_{1}C_{3}C_{4}R_{1}R_{2}R_{4}R_{6}+C_{1}C_{3}C_{5}R_{1}R_{2}R_{5}R_{6}+C_{3}C_{4}C_{5}R_{2}R_{4}R_{5}R_{6}\right)+s\left(C_{1}C_{3}R_{1}R_{2}R_{6}+C_{3}C_{4}R_{2}R_{4}R_{6}+C_{3}C_{5}R_{2}R_{5}R_{6}\right)}{C_{1}C_{2}C_{3}C_{4}R_{1}R_{2}R_{5}+S^{2}\left(C_{1}C_{2}C_{3}R_{1}R_{2}R_{5}+C_{1}C_{2}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{5}+C_{1}C_{3}R_{1}R_{5}+C_{1}C_{3}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{5}R_{2}R_{5}+C_{1}C_{5}R_{5}+C_{$

9.2229 X-INVALID-ORDER-2229 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_5R_1R_2R_5 + C_3C_4C_5R_2R_4R_5\right) + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_4 + C_3C_5R_2R_5\right)}{C_1C_2C_3C_4C_6R_1R_2R_4R_5s^4 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_5\right) + s^2\left(C_1C_3C_6R_2R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5\right) + s^2\left(C_1C_3C_6R_4R_5\right) + s^2\left($

9.2230 X-INVALID-ORDER-2230 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_{1}C_{3}C_{4}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}R_{6}s^{4}+C_{3}R_{2}+s^{3}\left(C_{1}C_{3}C_{4}C_{5}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{3}C_{6}R$

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H(s) = \frac{1}{C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 s^4 - C_1 R_2 + C_1 R_5 + C_3 R_5 + s^3 \left( C_1 C_2 C_3 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_2 R_4 R_5 R_6 + C_1 C_3 C_4
9.2232 X-INVALID-ORDER-2232 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                          H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.2233 X-INVALID-ORDER-2233 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                         H(s) = \frac{C_1C_3C_6R_1R_2R_4R_6s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_4C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.2234 X-INVALID-ORDER-2234 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6}{C_1C_2C_3C_6R_1R_2R_4R_5R_6s^3 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_3C_6R_1R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 + C_1C_3C_6R_2R_4R_5 + C
9.2235 X-INVALID-ORDER-2235 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1C_2C_3C_6R_1R_2R_4R_6s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_4C_6R_2R_4R_6 + C_1C_5C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_6 + C_1C_3C_6R_2R_4R_
9.2236 X-INVALID-ORDER-2236 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1C_2C_3C_5R_1R_2R_4R_5s^3 + C_1R_2 + C_1R_4 + C_3R_4 + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_4C_5R_2R_4R_5 + C_1C_3R_2R_4 + C_1C_3R_2R_4 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_1C_5R_4 +
9.2237 X-INVALID-ORDER-2237 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4
H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_2C_3C_5C_6R_1R_2R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_1R_2R_4 + C_1C_2C_5C_6R_2R_4R_5 + C_1C_3C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_2R_4R_5 + C_1C_4C_5C_6R_4R_5 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_5R_5R_5 + C_1C_5C_5C_6R_5R_5R_5 + C_1C_5C_5C_6R_5R_5R_5 + C_1C_5C_5C_6R_5R_5R_5 + C_1C_5C_5C_6R_5R
9.2238 X-INVALID-ORDER-2238 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_2C_3C_5C_6R_1R_2R_4R_5s^3 + C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_1R_2R_4 + C_1C_3C_5C_6R_2R_4R_5 
9.2239 X-INVALID-ORDER-2239 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_2R_4R_5R_6s^4 + C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_2C_5C_6R_2R_4R_5R_6 + C_1C_3C_5C_6R_2R_4R_5R_6 + C_1C_3C_5C_6R_2R_4R_5R_5 + C_1C_3C_5C_6R_5R_5R_5R_5C_5R_5R_5R_5R_5C_5C_5R_5R_5R_5R_5C_5C_5R_5R_5R_5R_5C_5C_5R_5R_5R_5C_5C_5R_5R_5R_5C_5C_5R_5R_5R_5C_5C_5R_5R_5R_5C_5C_5R_5R_5C_5C_5R_
9.2240 X-INVALID-ORDER-2240 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                                                                                             H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_4C_6R_2R_4R_5 + C_1C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
```

9.2231 X-INVALID-ORDER-2231 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

```
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_4R_5 + 
9.2242 X-INVALID-ORDER-2242 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{C_1C_2C_3C_6R_1R_2R_4R_5R_6s^3 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_3C_6R_2R_4R_5R_6 
9.2243 X-INVALID-ORDER-2243 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
 H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_5 + C_1C_6R_4R_5 + C_3C_6R_4R_5\right)}
9.2244 X-INVALID-ORDER-2244 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
 H(s) = \frac{C_1C_3C_6R_1R_2R_4R_6s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_6R_2R_4R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_2R_4R_5 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_1C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_4R_5 + C_1C_3C_6R_4R_5\right)}
9.2245 X-INVALID-ORDER-2245 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_4R_6s + C_3R_2R_4R_6s + C_3R_2R_4R_6s
9.2246 X-INVALID-ORDER-2246 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_6 + C_1C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_3R_4 + C_1C_3C
9.2247 X-INVALID-ORDER-2247 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
9.2248 X-INVALID-ORDER-2248 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4
H(s) = \frac{C_1C_3C_5R_1R_2R_4s + C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^3\left(C_1C_2C_3C_5C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4 + C_1C_2C_3C_6R_2R_3R_4 + C_1C_3C_5C_6R_2R_3R_4 + C_1C_5C_5C_6R_2R_3R_4 + C_1C_5C_5C_6R_2R_3R_4 + C_1C_5C_5C_5C_5C_5C_5C_5C_5C_5C_
9.2249 X-INVALID-ORDER-2249 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_4 + c\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_4 + c\left(C_1C_3C_5C_6R_1R_2R_4 + c\left(C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_2R_3R_4 + c\left(C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_2R_3R_4 + c\left(C_1C_3C_5C_6R_2R_3R_4 + c\left(C_1C_3C_5C_5C_6R_2R_3R_4 + c\left(C_1C_3C_5C_5C_6R_2R_3R_4 + c\left(C_1C_3C_5C_5C_6R
9.2250 X-INVALID-ORDER-2250 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

9.2241 X-INVALID-ORDER-2241 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $\overline{C_1R_2 + C_1R_4 + C_3R_4 + s^4 \left(C_1C_2C_3C_5C_6R_1R_2R_4R_5R_6 + C_1C_2C_3C_5C_6R_2R_3R_4R_5 + C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_6 + C_1C_2C_3C_6R_2R_4R_6 + C_1C_2C_3C_6R_4R_4R_6 + C_1C_2C$

```
9.2253 X-INVALID-ORDER-2253 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_4}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5R_6 - C_1C_3C_5C_6R_2R_3R_4R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_2C_3R_2R_3R_4R_5 + C_1C_2C_6R_2R_4R_5R_6 - C_1C_3C_5R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_5R_5 + C_1C_3C_5R_5R_5R
9.2254 X-INVALID-ORDER-2254 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                         H(s) = \frac{C_1C_3R_1R_2s + C_3R_2}{s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_5\right) + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C
9.2255 X-INVALID-ORDER-2255 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                         H(s) = \frac{C_1C_3C_6R_1R_2R_6s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_5\right) + s^2\left(C_1C_2C_6R_2R_5 + C_1C_3C_6R_1R_5 - C_1C_3C_6R_2R_5 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_3
9.2256 X-INVALID-ORDER-2256 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_6s + C_3R_2R_6}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_5R_6 + C_1C_3C_4R_2R_3R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2R_5 + C_1C_2C_3R_2R_3R_5 + C_1C_2C_3R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2R_5 + C_1C_2C_3R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_6 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_3R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_5 + C_1C_3C_6R_
9.2257 X-INVALID-ORDER-2257 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_3C_6R_1R_2R_6 + C_1C_3C_4C_6R_2R_3R_6 + C_1C_3C_5R_2R_3 + C_1C_2C_3R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_3R_3 + C_1C_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s
9.2258 X-INVALID-ORDER-2258 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_6s^2 + C_3C_5R_2R_6s}{C_1 + C_3 + s^3\left(C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_3C_5R_2R_3R_5 + C_1C_3C_4R_2R_3 + C_1C_2C_3R_2R_3 + C_1C_2C_5R_2R_5 + C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_3 + C_1C_3C_5R_2R_5 + C_1C_3C_5R_3R_5 + C_1C_
9.2259 X-INVALID-ORDER-2259 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_1C_3C_5R_1R_2s + C_3C_5R_2
H(s) = \frac{C_1C_3C_5R_1R_2s + C_3C_5R_2}{C_1C_6 + C_3C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_2R_5 + C_1C_3C_5C_6R_2R_3R_5 + c_1C_3C_5C_6R_2R_3R_5 + c_1C_3C_5C_6R_2R_3R_5 + c_1C_3C_5C_6R_2R_3 + c_1C_3C_5C_6R_3R_3 + c_1C_3C_5C_6R_3R_3 + c_1C_3C_5C_6R_
9.2260 X-INVALID-ORDER-2260 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_1C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_2 + s(C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6)
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_6s + C_3C_5C_6R_1R_2R_6s + C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_2R_3 + C_1C_3C_5C_5C_6R_2R_3 + C_1C_5C_5C_5C_6R_2R_3 + C_1C_5C_5C_5C_6R_2R_3 + C_1C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      538
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 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5 - C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_4R_5 + C_1C$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5 + C_3C_6R_2R_4R_5 +$

9.2251 X-INVALID-ORDER-2251 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

9.2252 X-INVALID-ORDER-2252 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

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9.2262 X-INVALID-ORDER-2262 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_5s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5\right)}{s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1C
9.2263 X-INVALID-ORDER-2263 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_5R_1R_2R_5 + C_1C_3C_6R_1R_2R_6 + C_3C_5C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_2 + C_3C_5R_2R_5 + C_3C_6R_2R_6\right)}{s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_5 + C_1
9.2264 X-INVALID-ORDER-2264 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 +
9.2265 X-INVALID-ORDER-2265 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_1C_3C_4R_1R_2R_4R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6\right)
H(s) = \frac{C_1C_3C_4R_1R_2R_4R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3R_1R_2R_5 + C_1C_2C_3R_2R_3R_5 + C_1C_2C_4R_2R_4R_5 + C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_4R_3R_3R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_3R_5 + C_1C_3C_4R_3R_5 + 
9.2266 X-INVALID-ORDER-2266 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1C_3C_4R_1R_2R_4s^2 + C_3R_2 + s\left(C_1C_3R_1R_2 + C_3C_4R_2R_2R_3R_3\right)
                                  \frac{C_1C_3C_4R_1R_2R_4s^2 + C_3R_2 + s(C_1C_3R_1R_2 + C_3C_4R_2)}{s^4(C_1C_2C_3C_4C_6R_1R_2R_4 + C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_
9.2267 X-INVALID-ORDER-2267 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_1C_3C_4C_6R_1R_2R_4R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_6R_1R_2R_6 + C_3C_4C_6R_2R_4R_6\right)
H(s) = \frac{C_1C_3C_4C_6R_1R_2R_4R_6s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4 + C_1C_3C_6R_1R_2R_6 + C_3C_4C_6R_2R_4R_6\right)}{s^4\left(C_1C_2C_3C_4C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_5 + C_1C_2C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_2R_3R_5 + C_1C_3C_4C_6R_2R_4R_5 + C_1C_3C_4C_6R_4R_4R_5 + C_1C_3C_4C_6R_4R_4R_
9.2268 X-INVALID-ORDER-2268 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-}{-C_1R_2 + C_1R_5 + C_3R_5 + s^4\left(C_1C_2C_3C_4C_6R_1R_2R_4R_5R_6 + C_1C_2C_3C_4C_6R_2R_3R_4R_5 + C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_2R_5R_6 + C_1C_2C_3C_6R_2R_3R_5R_6 + C_1C_2C_3C_4C_6R_2R_4R_5R_6 + C_1C_3C_4C_6R_1R_4R_5R_6 - C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_2C_3C_4R_2R_3R_4R_5 + C_1C_2C_3C_4R_3R_4R_5 + C_1C_2C_3C_4R_3R_4R_5 + C_1C_2C_3C_4R_4R_5R_5 + C_1C_2C_3C_4R_5R_5 
9.2269 X-INVALID-ORDER-2269 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_2R_6s + s^2\left(C_1C_3C_5R_1R_2R_6 + C_3C_4C_5R_2R_4R_6\right)}{C_1 + C_3 + s^3\left(C_1C_2C_3C_4R_1R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_4R_4 + C_1C_3C_4R_4 + C_1C_3C_4R_4 
9.2270 X-INVALID-ORDER-2270 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_1C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4\right)
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 $H(s) = \frac{1}{C_1 + C_3 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 C_5 R_2 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_5 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_5 R_2 R_3 R_5 \right) +$

9.2261 X-INVALID-ORDER-2261 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

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9.2271 X-INVALID-ORDER-2271 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_2 + s^2\left(C_1C_3C_4C_5R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_6 + C_3C_4C_5C_6R_2R_4R_6\right) + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_1R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_3C_4C_6R_4R_4 +$

9.2272 X-INVALID-ORDER-2272
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{C_1 + C_3 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 - C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_2 R_3 R_4 + C_1 C_3 C_4 C_6 R_2 R_3 R_4 +$

9.2273 X-INVALID-ORDER-2273
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

 $H(s) = \frac{1}{C_1 + C_3 + s^4 \left(C_1 C_2 C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_4 + C_1 C_2 C_3 C_4 R_2 R_3 R_4 + C_1 C_2 C_3 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 R_2 R_3 R_4 + C_1 C_2 C_3 C_5 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_3 R_4 + C_1 C_3 C_4 C_5 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 R_2 R_3 R_4 + C_1 C_3 C_4 C_5 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_2 R_3 R_4 + C_1 C_3 C_4 C_5 R_2 R_3 R_4 + C_1 C_3 C_4 C_5 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 R_5 R_5 R_5 + C_1 C_3 C_5 R_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 R_5 R_5 R_5 + C_1 C_5 C_5 R_5 R_5 R_5 R_5 R_5 R_5 R_5 R$

9.2274 X-INVALID-ORDER-2274
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

9.2275 X-INVALID-ORDER-2275
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

9.2276 X-INVALID-ORDER-2276
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{C_1 + C_3 + s^5 \left(C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_5 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_2 R_3 R$

9.2277 X-INVALID-ORDER-2277
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_2R_6 + s^2\left(C_1C_3C_4R_1R_2R_4R_6 + C_1C_3C_5R_1R_2R_5R_6 + C_3C_4C_5R_2R_4R_5\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_3C_4R_2R_3R_4R_5 + C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_3R_4 + C_1C_3C$

9.2278 X-INVALID-ORDER-2278
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4R_5s^3 + C_3R_2 + s^2\left(C_1C_3C_4R_1R_2R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C_6R_3R_4 + C_1C_$

9.2279 X-INVALID-ORDER-2279
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_2 + s^3\left(C_1C_3C_4C_5R_1R_2R_4R_5 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_5C_6R_1R_2R_5R_6 + C_3C_4C_5C_6R_2R_4R_5R_6\right) - s^4\left(C_1C_2C_3C_4C_6R_1R_2R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4 + C_1C_3C_4C$

9.2280 X-INVALID-ORDER-2280
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{-C_1R_2 + C_1R_5 + C_3R_5 + s^4\left(C_1C_2C_3C_4C_6R_1R_2R_4R_5R_6 + C_1C_2C_3C_4C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_2R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5R_6 - C_1C_3C_4C_5C_6R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3C_4R_4R_5R_5R_5\right) + s^3\left(C_1C_2C_3C_4R_5R_5R_5\right) + s^3\left(C_1C_2C_3C_4R_5R_5R_5\right) + s^3\left(C_1C_2C_3C_4R_5R_5R_5\right) + s^3\left(C_1C_2C_3C_4R_5R_5R_5\right) + s^3\left(C_1C_2C_3C_4R_5R_5R_5\right) + s^3\left(C_1C_2C_3C_4R_5R_5R_5\right) + s^3\left(C_1C_2C_3$

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9.2281 X-INVALID-ORDER-2281 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_1C_3R_1R_2R_4s + C_3R_2R_4
H(s) = \frac{C_1C_3R_1R_2R_4s + C_3R_2R_4}{s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_4R_5 + C_1C_3C_6R_2R_
9.2282 X-INVALID-ORDER-2282 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                              \frac{C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}R_{6}s^{2}+C_{3}R_{2}R_{4}+s\left(C_{1}C_{3}R_{1}R_{2}R_{4}+C_{3}C_{6}R_{2}R_{4}R_{6}\right)}{s^{3}\left(C_{1}C_{2}C_{3}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2
9.2283 X-INVALID-ORDER-2283 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5R_6 + C_1C_2C_3C_6R_2R_3R_4R_5R_6\right) + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_2C_3R_2R_3R_4R_5 + C_1C_2C_6R_2R_4R_5R_6 + C_1C_3C_4R_2R_3R_4R_5 + C_1C_3C_4R_3R_4R_5 + C_1C_3C_4R_4R_5 + C_1C_3C_4R_5 + 
9.2284 X-INVALID-ORDER-2284 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                              \frac{c_1c_3c_5n_1n_2n_4n_6s_5}{C_1R_2+C_1R_4+C_3R_4+S^3\left(C_1C_2C_3C_6R_1R_2R_4R_6+C_1C_3C_4C_6R_2R_3R_4R_6-C_1C_3C_5C_6R_2R_3R_4R_6\right)+s^2\left(C_1C_2C_3R_1R_2R_4+C_1C_2C_3R_2R_3R_4+C_1C_3C_4R_2R_3R_4-C_1C_3C_5R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_6R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_2R_3R_4+C_1C_3C_4R_3R_4+C_1C_3C_4R_3R_4+C_1C_3C_4R_3R_4+C_1C_3C_4R_3R_4+C_1C_3C_4R_3R_4+C_1C_3C_4R_3R_4+C_1C_3C
9.2285 X-INVALID-ORDER-2285 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_6s^2 + C_3C_5R_2R_4R_6s}{C_1R_2 + C_1R_4 + C_3R_4 + s^3\left(C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_3C_5R_2R_3R_4R_5 + C_1C_3C_5R_2R_3R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_3R_4 + C_1C_3C_5R_5R_
9.2286 X-INVALID-ORDER-2286 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                              \frac{C_{1}C_{6}R_{2}+C_{1}C_{6}R_{4}+C_{3}C_{6}R_{4}+s^{3}\left(C_{1}C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{4}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{3
9.2287 X-INVALID-ORDER-2287 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_6 s^2 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_2 R_3 R_4 + C_1 C_3 C_5 C_6 R_2 R_3 R_4 + C_1 C_3 C_5
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9.2288 X-INVALID-ORDER-2288 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\overline{C_{1}R_{2} + C_{1}R_{4} + C_{3}R_{4} + s^{4}\left(C_{1}C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}R_{6} + C_{1}C_{2}C_{3}C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6} + C_{1}C_{2}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{6}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{2}C_{3}C_{6}R_{2}R_{3}R_{4}R_{5}$

9.2289 X-INVALID-ORDER-2289 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5s^2 + C_3R_2R_4 + s\left(C_1C_3R_1R_2R_4 + C_3C_5R_2R_4R_5\right)}{s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C$

9.2290 X-INVALID-ORDER-2290 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{2}R_{4}R_{5}+C_{1}C_{3$

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9.2291 X-INVALID-ORDER-2291 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
9.2292 X-INVALID-ORDER-2292 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)
                           H(s) = \frac{C_1C_3R_1R_2R_3R_4R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6\right)}{C_1C_2C_3R_1R_2R_3R_4R_5s^3 + R_4R_5 + s^2\left(C_1C_2R_1R_2R_4R_5 + C_1C_2R_2R_3R_4R_5 + C_1C_3R_1R_3R_4R_5 + C_2C_3R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5 + C_3R_3R_4R_5\right)}
9.2293 X-INVALID-ORDER-2293 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3R_1R_2R_3R_4s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4\right)}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^4 + C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5
9.2294 X-INVALID-ORDER-2294 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_6R_1R_2R_3R_4R_6s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_6 + C_3C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^4 + C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_3R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_3R_4 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_2R_4R_5 + C_1C_6R_2R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 - C_1C_6R_4R_5\right) + s^2\left(C_1C_6R_4R_5\right) + s^2\left(C_1C_6R_4R_5\right) + s^2\left(C_1C_6R_4R_5\right) + s^2\left(C_1C_6R_4R_5\right) + s^2\left(C_1C_6R_4R_5\right) + s^2\left(C_1C_6R_4R_5\right) + s^2\left(C
9.2295 X-INVALID-ORDER-2295 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3R_1R_2R_3R_4R_6s^2 + C_1C_3C_6R_1R_2R_3R_4R_5R_6s^4 + R_4R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_3R_4R_5R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_4R_5 + C_1C_3C_6R_3R_5R_5 + C_1C_3C_6R_3R_5R_5 + C_1C_3C_6R_5R_5R_5 + C_1C_3C_6R_5R_5R_5 + C_1C_3C_6R_5R_5R_5 + C_1C_3C_6R_5R_
9.2296 X-INVALID-ORDER-2296 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                   H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{C_1C_2C_3R_1R_2R_3R_4s^3 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_3R_1R_3R_4 + C_1C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4\right)}
9.2297 X-INVALID-ORDER-2297 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                    H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4\right)}{C_1C_2C_3C_6R_1R_2R_3R_4s^3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C
9.2298 X-INVALID-ORDER-2298 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                    H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_2R_3R_4R_6\right) + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_3R_4s^3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_5C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_2R_4 + C_1C_6R_2R_4\right)}
9.2299 X-INVALID-ORDER-2299 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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9.2300 X-INVALID-ORDER-2300 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $\frac{c_1c_3c_5n_1n_2n_3n_4n_6s + c_5n_2n_4n_6s + s}{c_1c_2c_3c_5n_1n_2n_3n_4n_6s + c_5n_2n_4n_6s + c_5n_2n_4n_6s + c_3c_5n_2n_4n_6s + c_3c_5n_4n_6s + c_3c_5n_4$

542

 $C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_4R_6s^3)$

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9.2301 X-INVALID-ORDER-2301 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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 $C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_3$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_3R_4s^2 + C_5R_2R_3R_4s^2 + C_5R_2R_3R_4s^2 + C_5R_2R_3R_4R_5 + C_1C_2C_3C_6R_1R_2R_3R_4s^2 + C_1C_2C_5C_6R_2R_3R_4R_5 + C_1C_3C_5C_6R_2R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4 + C_1C_3C_5C_6R_3R_3R_4 + C_1C_3C_5C_6R_3R_3R_4 + C_1C_3C_5C_6R_3R_3R_4 + C$

9.2302 X-INVALID-ORDER-2302 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2(C_1C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_5C_6R_1R_5C_6R_5$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2\left(C_1C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_3R_4R_5 + C_1C_3C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_$

9.2303 X-INVALID-ORDER-2303 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_4 + s^4\left(C_1C_2C_3C_5R_1R_2R_3R_4R_5 + C_1C_2C_3C_6R_1R_2R_3R_4R_5 + C_1C_2C_5C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_5C_6R_1R_3R_4R_5R_6 + C_1C_3C_5C_6R_2R_3R_4R_5R_6 + C_1C_3C_5C_6R_3R_3R_4R_5R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_5R_5 + C_1C_3C_5C_6R_3R_5R_5R_5 + C_1C_3C_5C_5R_$

9.2304 X-INVALID-ORDER-2304 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $\frac{C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}s^{3}+R_{2}R_{4}R_{6}+s^{2}\left(C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{$

9.2305 X-INVALID-ORDER-2305 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_4R_5 + C_3C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^4 + C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_5C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5 + C_1C_6R_2R_3R_4 + C_1C_6R_3R_4 + C_1C_6R_3R_4$

9.2306 X-INVALID-ORDER-2306 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_2R_4 + s^3\left(C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_1C_5C_6R_1R_2R_3R_4R_5 + C_1C_5C_6R_1R_2R_4R_5 + C_1C_5C_6R_1R_2R_4R_5 + C_1C_5R_1R_2R_4R_5 + C_1C_5R_2R_3R_4R_5 + C_1C_5R_$

9.2307 X-INVALID-ORDER-2307 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_1C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_2R_4R_6 + s^2$ (C

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_2R_4R_6 + s^2\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_3C_6R_2R_3R_4R_5R_6 + C_1C_3C_6R_3R_4R_5R_5 + C_1C_3C_6R_3R_4R_5R_5 + C_1C_3C_6R_3R_5R_5 + C_1C_3C_6R_5R_5R_5 + C_1C_3C_6R_5R_5R_5 + C_1C_3C_6R_5R_5R_5 + C_1C_3C_6R_5R_5R_5 + C_1C_3C_6R_5R_5R_5 +$

9.2308 X-INVALID-ORDER-2308 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_2R_3R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_3R_2R_3R_6\right)}{C_1C_2C_3R_1R_2R_3R_5s^3 + R_5 + s^2\left(C_1C_2R_1R_2R_5 + C_1C_2R_2R_3R_5 + C_1C_3R_1R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 + C_2C_3R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5 + C_3R_3R_5\right)}$

9.2309 X-INVALID-ORDER-2309 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3R_1R_2R_3s^2 + R_2 + s\left(C_1R_1R_2 + C_3R_2R_3\right)}{C_1C_2C_3C_6R_1R_2R_3R_5s^4 + C_6R_5s + s^3\left(C_1C_2C_6R_1R_2R_5 + C_1C_2C_6R_2R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 + C_1C_6R_2R_3 + C_1C_6R_2R_3 + C_1C_6R_2R_5 +$

9.2310 X-INVALID-ORDER-2310 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_6R_1R_2R_3R_6s^3 + R_2 + s^2\left(C_1C_3R_1R_2R_3 + C_1C_6R_1R_2R_6 + C_3C_6R_2R_3R_6\right) + s\left(C_1R_1R_2 + C_3R_2R_3 + C_6R_2R_6\right)}{C_1C_2C_3C_6R_1R_2R_3R_5s^4 + C_6R_5s + s^3\left(C_1C_2C_6R_1R_2R_5 + C_1C_2C_6R_2R_3R_5 + C_1C_3C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 + C_1C_4C_6R_2R_3R_5 + C_1C_6R_2R_3 + C_1C_6R_3R_3 + C_1C_$

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9.2311 X-INVALID-ORDER-2311 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.2312 X-INVALID-ORDER-2312 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                H(s) = \frac{C_1C_3C_5R_1R_2R_3R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6\right)}{C_1C_2C_3R_1R_2R_3s^3 + s^2\left(C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_3R_1R_3 + C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3 + C_2C_3R_2R_3\right) + s\left(C_1R_1 + C_1R_2 + C_1R_3 + C_2R_2 + C_3R_3\right) + 1}
9.2313 X-INVALID-ORDER-2313 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                 H(s) = \frac{C_1C_3C_5R_1R_2R_3s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3\right)}{C_1C_2C_3C_6R_1R_2R_3s^3 + C_6 + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3 + C_2C_3C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2 + C_3C_6R_3\right)}
9.2314 X-INVALID-ORDER-2314 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                 H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_6s^3 + C_5R_2 + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_5C_6R_1R_2R_6 + C_3C_5C_6R_2R_3R_6\right) + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3 + C_5C_6R_2R_6\right)}{C_1C_2C_3C_6R_1R_2R_3s^3 + C_6 + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3 + C_2C_3C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2 + C_3C_6R_3\right)}
9.2315 X-INVALID-ORDER-2315 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6\right)}{C_1C_2C_3C_6R_1R_2R_3R_6s^4 + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_6R_1R_2R_6 + C_1C_3C_6R_2R_3R_6 + C_1C_3C
9.2316 X-INVALID-ORDER-2316 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_6s^3 + C_5R_2R_6s + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6\right)}{C_1C_2C_3C_5R_1R_2R_3R_5s^4 + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_5R_1R_2R_5 + C_1C_3C_5R_1R_3R_5 + C_1C_3C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5 + C_1C_5R_2R_3R_5 + C_1C_4C_5R_2R_3R_5 + C_1C_4C_5R
9.2317 X-INVALID-ORDER-2317 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3\right)}{C_1C_2C_3C_5C_6R_1R_2R_3R_5 + C_1C_2C_5C_6R_1R_2R_3 + C_1C_2C_5C_6R_1R_2R_3 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C_5C_6R_3R_5 + C_1C_3C_5C_6R_3R_5 + C_1C_3C_5C_6R_3R_5 + C_1C_3C_5C_6R_3R_5 + C_1C_3C_5C_5C_6R_3R_5 + C_1C_5C_5C_6R_3R_5 + C_1C_5C_5C_6R_3R_5 + C_1C_5C_5C_6R_3R_5 + C_1C_5C_5C_6R_3
9.2318 X-INVALID-ORDER-2318 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_6s^3 + C_5R_2 + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_5C_6R_1R_2R_6 + C_3C_5C_6R_2R_3R_6\right) + s^2\left(C_1C_3C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_3C_5C_6R_1R_3R_5 + C_1C_3C_5C_6R_2R_3R_5 + C_1C_3C
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9.2319 X-INVALID-ORDER-2319 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.2320 X-INVALID-ORDER-2320 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_5R_6s^3 + R_2R_6 + s^2\left(C_1C_3R_1R_2R_3R_6 + C_1C_5R_1R_2R_5R_6 + C_3C_5R_2R_3R_5R_6\right) + s\left(C_1R_1R_2R_6 + C_3R_2R_3R_6 + C_5R_2R_5R_6\right)}{C_1C_2C_3R_1R_2R_3R_5s^3 + R_5 + s^2\left(C_1C_2R_1R_2R_5 + C_1C_2R_2R_3R_5 + C_1C_3R_1R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5 + C_2C_3R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5 + C_3R_3R_5\right)}$

9.2324 X-INVALID-ORDER-2324 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3C_4R_1R_2R_3R_4R_6s^3 + R_2R_6 + s^2\left(C_1C_3R_1R_2R_3R_6 + C_1C_4R_1R_2R_4R_6 + C_3C_4R_2R_3R_4R_6\right) + s\left(C_1C_2C_3C_4R_1R_2R_3R_4R_5s^4 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_5 + C_1C_2C_4R_1R_2R_4R_5 + C_1C_3C_4R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_2R_2R_3R_5 + C_1C_3R_1R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_3R_1R_3R_5 +$

9.2325 X-INVALID-ORDER-2325 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4R_1R_2R_3R_4s^3 + R_2 + s^2\left(C_1C_3R_1R_2R_3 + C_1C_2C_4C_6R_1R_2R_3R_4 + S_1C_2C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_3R_3R_5 + C_1C_3C_4C_6R_3R_3R_5 + C_1C_3C_4C_6R_3R_3R_5 + C_1C_3C_4C_4R_3R_5 + C_1C_3C_4C_4R_3R_5 + C_1C_3C_4C_4R_3R_5 + C_1C_3C_4C_4R_3R_5 + C_1C_3C_4C_$

9.2326 X-INVALID-ORDER-2326 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_6R_1R_2R_3R_4R_6s^4 + R_2 + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_4C_6R_1R_2R_4R_6 + C_3C_4C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5s^5 + C_6R_5s + s^4\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_6R_1R_3R_4R_5\right) + s^3\left(C_1C_3C_4C_4C_4R_4R_5\right) + s^3\left(C_1C_3C_4C_4C_4R_4R_5\right) + s^3\left(C_1C_3C_4C_4C_4R_4R_5\right) + s^3\left(C_$

9.2327 X-INVALID-ORDER-2327 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.2328 X-INVALID-ORDER-2328 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_6s^4 + C_5R_2R_6s + s^3\left(C_1C_3C_5R_1R_2R_3R_6 + C_1C_4C_5R_1R_2R_4R_6 + C_3C_4C_5R_2R_3R_4R_6\right) + s^2\left(C_1C_5R_1R_2R_6 + C_3C_5R_2R_3R_6\right)}{C_1C_2C_3C_4R_1R_2R_3R_4s^4 + s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_4R_1R_2R_4 + C_1C_2C_4R_2R_3R_4 + C_1C_3C_4R_1R_3R_4 + C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_3R_4 + C_1C_3$

9.2329 X-INVALID-ORDER-2329 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4s^3 + C_5R_2 + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_4C_5R_1R_2R_4 + C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_3C_3C_4C_6R_1R_2R_3R_4 + C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_4R_3R_4 + C_4C_5C_6R_4R_3R_4 + C_4C_5C_6R_4R_3R_4 + C_4C_5C_6R_4R_4R_4 + C_4C_5C_6R_4R_4R_4 + C_4C_5C_6R_4R_4R_4 + C_4C_5C_6R_4R_4R_4 + C$

9.2330 X-INVALID-ORDER-2330 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_2 + s^3\left(C_1C_3C_4C_5R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_6 + C_1C_4C_5C_6R_1R_2R_4R_6 + C_3C_4C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_3C_5R_1R_2R_3 + C_1C_4C_5R_1R_2R_4 + C_1C_4C_5R_1R_2R_4 + C_1C_4C_5C_6R_2R_3R_4 + C_1C_4C$

- **9.2331** X-INVALID-ORDER-2331 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_6s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_3R_6 + C_1C_2C_4C_6R_2R_3R_4R_6 + C_1C_3C_4C_6R_2R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_6R_3R_4R_6 + C_1C_3C_4C_$
- **9.2332** X-INVALID-ORDER-2332 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_5R_1R_2R_3R_5 + C_1C_2C_4C_5R_1R_2R_4R_5 + C_1C_3C_4C_5R_2R_3R_4R_5 + C_1C_3C_4C_5R_3R_4R_5 + C_1C_3C_4C_5R_3R_5R_5 + C_1C_3C_4C_5R_3R_5R_5 + C_1C_3C_4C_5R_3R_5R_5 + C_1C_3C_5R_5R_5R_5R_5 + C_1C_3C_5R_5R_5R_5 + C_1C_3C_5R_5R_$
- 9.2333 X-INVALID-ORDER-2333 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4\left(C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_5C_6R_1R_3R_4R_5 + C_1C_3C_4C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_5C_6R_1R_5C_5C_5C_5C_5C_5C_5C_$
- **9.2334** X-INVALID-ORDER-2334 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4\left(C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_3C_5C_6R_1R_2R_3R_5 + C_1C_2C_4C_5C_6R_1R_2R_4R_5 + C_1C_3C_4C_5C_6R_1R_3R_4R_5 + C_1C_3C_4C_5C_6R_2R_3R_4R_5 + C_1C_3C_4C_5C_6R_3R_3R_4R_5 + C_1C_3C_4C_5C_6R_3R_3R_4C_5C_6R_3R_3R_5 + C_1C_3C_4C_5C_6R_3R_3R_4C_5C_5C_6R_3R_3R_5 + C_1C_3C_5C_5C_6R_3R_5C_5C_6R_3R_5C_5C_6R_5C_5C_6R_5C_5C_5C_5C_5C_$
- 9.2335 X-INVALID-ORDER-2335 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- **9.2336** X-INVALID-ORDER-2336 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_5R_6s^4 + R_2R_6 + s^3\left(C_1C_3C_4R_1R_2R_3R_4R_6 + C_1C_3C_5R_1R_2R_3R_5R_6 + C_1C_4C_5R_1R_2R_4R_5R_6 + C_3C_4C_5R_2R_3R_4R_5R_6\right) + s^2\left(C_1C_3R_1R_2R_3R_6 + C_1C_4C_5R_1R_2R_3R_4R_5 + C_1C_4C_5R_1R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_3R_4R_5 + C_1C_4C_4R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_2R_2R_3R_5 + C_1C_3R_4R_3R_4R_5 + C_1C_3C_4R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5 + C_1C_4C_5R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_4R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_4R_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5 + C_1C_3R_4R_5\right) + s^2\left(C_1C_2R_1R_2R_5\right) + s^2\left(C_1C_2R_1R_2R_5\right) + s^2\left(C_1C_2R_1R_3R_5\right) + s^2\left(C_1C_2R_1R_3R_5\right) + s^2\left(C_1C_2R_1R_3R_5\right) + s^2\left(C_1C_2R_1R_3R_5\right) + s^2\left(C_1C_2R_1R_3R_5\right) + s^2\left(C_1C_2R_1R_3R_5\right) + s^2\left(C_1C_2R_1R_5\right) + s^2\left(C_1C_2R_1R_5\right) + s^2\left(C_1C_2R_1R_5\right) + s^2\left(C_1C_2R_1R_5\right) + s^2\left($
- 9.2337 X-INVALID-ORDER-2337 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_1C_3C_4C_5R_1R_2R_3R_4R_5s^4 + R_2 + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_5R_1R_2R_3R_5 + C_1C_4C_5R_1R_2R_4R_5 + C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_2R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_4R_5 + C_1C_3C_4C_6R_3R_$
- **9.2338** X-INVALID-ORDER-2338 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_1C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_2 + s^4\left(C_1C_3C_4C_5R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_$
- 9.2339 X-INVALID-ORDER-2339 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5R_6s^5 + R_5 + s^4(C_1C_2C_3C_4R_1R_2R_3R_4R_5 + C_1C_2C_4C_6R_1R_2R_4R_5R_6 + C_1C_2C_4C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_1R_3R_4R_5R_6 + C_1C_3C_4C_6R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_3R_3R_4R_5R_6 + C_1C_3C_4C_6R_3R_3R_4R_5 + C_1C_3C_4C_6R_3R_3R_4R_5 + C_1C_3C_4C_6R_3R_3R_4R_5 + C_1C_3C_4C_6R_3R_3R_5R_6 + C_1C_3C_4C_6R_3R_3R_4R_5 + C_1C_3C_4C_6R_3R_3$
- **9.2340** X-INVALID-ORDER-2340 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
- $H(s) = \frac{C_1C_3R_1R_2R_3R_4R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6\right)}{C_1C_2C_3R_1R_2R_3R_4R_5s^3 + R_4R_5 + s^2\left(C_1C_2R_1R_2R_4R_5 + C_1C_3R_1R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_3R_3R_4R$

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9.2341 X-INVALID-ORDER-2341 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3R_1R_2R_3R_4s^2 + R_2R_4 + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4\right)}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^4 + C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 + C_1C_4C_6R_2R_3R_4R_5 + C_1C_6R_2R_3R_4R_5 + C_1C_6R_2R_3
9.2342 X-INVALID-ORDER-2342 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_6R_1R_2R_3R_4R_6s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_6 + C_3C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^4 + C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5s^4 + C_6R_2R_3R_4 + C_6R_2R_3R_4 + C_6R_2R_3R_4 + C_6R_2R_3R_4R_5\right) + s^2\left(C_1C_6R_1R_4R_5s^4 + C_6R_4R_5s^4 + C_6R_4
9.2343 X-INVALID-ORDER-2343 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
9.2344 X-INVALID-ORDER-2344 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)
                                                                                H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2\left(C_1C_5R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_6\right)}{C_1C_2C_3R_1R_2R_3R_4s^3 + R_4 + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2R_2R_3R_4 + C_1C_3R_2R_3R_4 + C_1C_4R_2R_3R_4 - C_1C_5R_2R_3R_4 + C_2C_3R_2R_3R_4\right) + s\left(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4\right)}
9.2345 X-INVALID-ORDER-2345 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4\right)}{C_1C_2C_3C_6R_1R_2R_3R_4s^3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C
9.2346 X-INVALID-ORDER-2346 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                      \frac{C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{6}s^{3}+C_{5}R_{2}R_{4}+s^{2}\left(C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2
9.2347 X-INVALID-ORDER-2347 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_2R_4R_6s + s^2}{C_1C_2C_3C_6R_1R_2R_3R_4R_6s^4 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_4R_6 + C_1C_3C_6R_2R_3R_4R_6 + C_1C_4C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_3R_4R_6 + C_1C_5C_6R_2R_5R_5C_5C_5C_6R_5R_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_
9.2348 X-INVALID-ORDER-2348 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                      \frac{C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{6}s^{3}+C_{5}R_{2}R_{4}R_{6}s+s^{2}\left(C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}s^{4}+R_{4}+s^{3}\left(C_{1}C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{5}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{5}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{5}R_{1}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{1}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}R_{5}R_{5}R_{5}R_{5}R_{5}+C_{1}C_{5}R_{5}R_{5}R_{5}R_{5}R_{5}+C_{1}C_{5}R_{5}R_{5}R_{5}R_{5}
9.2349 X-INVALID-ORDER-2349 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_1C_3C_5}{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5 + C_1C_3C_5C_6R_2R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_
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 $\frac{C_1C_3C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_2R_4 + s^4(C_1C_3C_5R_1R_2R_3R_4R_6s^4 + C_5R_2R_4 + s^4(C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3C_5C_6R_1R_2R_3R_4R_5 + C_1C_3C_5C_6R_1R_3R_4R_5 + C_1C_3C_5C_6R_2R_3R_4R_5 +$

 $C_1C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_2R_4 + s^2(C_1C_3C_5R_5)$

9.2350 X-INVALID-ORDER-2350 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

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9.2351 X-INVALID-ORDER-2351 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_4 + s^4\left(C_1C_2C_3C_5R_1R_2R_3R_4R_5 + C_1C_2C_5C_6R_1R_2R_4R_5R_6 + C_1C_3C_5C_6R_1R_3R_4R_5R_6 + C_1C_3C_5C_6R_2R_3R_4R_5R_6 + C_1C_3C_5C_6R_2R_3R_4R_5R_5 + C_1C_3C_5C_6R_2R_3R_4R_5R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_4R_5 + C_1C_3C_5C_6R_3R_3R_5 + C_1C_3C_5C_6R_3R_5C_5C_5C_6R_5R_5C_5C_5C_5C_5C_5C_5C_$

9.2352 X-INVALID-ORDER-2352 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $\frac{C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}s^{3}+R_{2}R_{4}R_{6}+s^{2}\left(C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{5}R_{1}R_{2}R_{4}R_{5}R_{6}\right)+s\left(C_{1}R_{1}R_{2}R_{4}R_{6}+C_{3}R_{2}R_{3}R_{4}R_{6}+C_{5}R_{2}R_{4}R_{5}R_{6}\right)}{C_{1}C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+c_{1}C_{2}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{3}R_{4}R_{5}$

9.2353 X-INVALID-ORDER-2353 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4R_5s^3 + R_2R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_4R_5 + C_3C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_2R_4 + C_3R_2R_3R_4 + C_5R_2R_4R_5\right)}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^4 + C_6R_4R_5s + s^3\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_3C_6R_2R_3R_4R_5 + C_1C_5C_6R_2R_3R_4R_5 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_$

9.2354 X-INVALID-ORDER-2354 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_2R_4 + s^3\left(C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_1R_2R_4R_5R_6 + C_3C_5C_6R_2R_3R_4R_5 + C_1C_5R_1R_2R_4R_5 + C_1C_6R_1R_2R_4R_6 + C_3C_5R_2R_3R_4R_5 + C_1C_6R_1R_2R_4R_5 + C_1C_5C_6R_2R_3R_4R_5 + C_1C_5C_6R_2R_3R_4R_$

9.2355 X-INVALID-ORDER-2355 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1 C_3 C_5 R_1 R_2 R_3 R_4 R_5 R_6}{C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_$

9.2356 X-INVALID-ORDER-2356 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5, R_6\right)$

$$H(s) = \frac{R_1 R_2 R_4 R_6}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + s \left(-C_1 R_1 R_2 R_3 R_4 + C_1 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_4 R_5 + C_1 R_1 R_3 R_4 R_5\right)}$$

9.2357 X-INVALID-ORDER-2357 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_1 R_2 R_4}{s^2 \left(-C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_5 + C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_6 R_1 R_3 R_4 R_5 \right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5 \right)}$$

9.2358 X-INVALID-ORDER-2358 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6R_1R_2R_4R_6s + R_1R_2R_4}{s^2\left(-C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_4R_5 + C_1C_6R_1R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$$

9.2359 X-INVALID-ORDER-2359 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{-C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_6 s^3 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(-C_1 C_5 R_1 R_2 R_3 R_6 + C_1 C_6 R_1 R_2 R_4 R_6 + C_1 C_6 R_1 R_2 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 - C_5 R_2 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_6 R_1 R_4 R_6 + C_6 R_2 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_4 R_6 + C_6 R_1 R_4 R_6 + C_6 R_2 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_4 R_6 + C_6 R_1 R_4 R_6 + C_6 R_2 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_4 R_6 + C_6 R_1 R_4 R_6 + C_6 R_4 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_4 + C_1 R_4 R_6 + C_6 R_4 R_4 R_6 + C_6 R_4 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 + C_6 R_4 R_4 R_6 + C_6 R_4 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 + C_6 R_4 R_4 R_6 + C_6 R_4 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_6 R_4 R_6 R_4 R_6 R_4 R_6\right) + s \left(C_1 R_4 R_6 R_4 R_6 R_4 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_4 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_4 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6 R_6 R_6 R_6\right) + s \left(C_1 R_6 R_6 R_6$

9.2360 X-INVALID-ORDER-2360 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{R_{1}R_{4} + R_{2}R_{3} + R_{2}R_{4} + R_{3}R_{4} + s^{3}\left(-C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{6} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}R_{6} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}R_{6} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{5}R_{1}R_{2}R_{3}R_{5} +$

9.2361 X-INVALID-ORDER-2361 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_5 R_1 R_2 R_4 R_5 s + R_1 R_2 R_4}{-C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_5 + C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_6 R_1 R_3 R_4 R_5 - C_5 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$ **9.2362** X-INVALID-ORDER-2362 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$ $H(s) = \frac{C_5C_6R_1R_2R_4R_5R_6s^2 + R_1R_2R_4 + s\left(C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{-C_1C_5C_6R_1R_2R_3R_4R_5s^3 + s^2\left(-C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_4R_5 + C_1C_6R_1R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$ **9.2363** X-INVALID-ORDER-2363 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6$ $H(s) = \frac{C_5 R_1 R_2 R_4 R_5 R_6 s + R_1 R_2 R_4 R_6}{-C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 s^3 + R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_6 R_1 R_3 R_4 R_5 R_6 - C_5 C_6 R_2 R_3 R_4 R_5 R_6) + s \left(-C_1 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_6 R_1 R_3 R_4 R_5 R_6 - C_5 C_6 R_2 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_2 R_3 R_4 R_5 R_6 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_2 R_3 R_4 R_5 R_6 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_2 R_3 R_4 R_5 R_6 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_$ **9.2364** X-INVALID-ORDER-2364 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{R_1 R_2}{C_1 C_4 C_6 R_1 R_2 R_3 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_5 + C_1 C_6 R_1 R_3 R_5 + C_4 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5\right)}$ **9.2365** X-INVALID-ORDER-2365 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_6 R_1 R_2 R_6 s + R_1 R_2}{C_1 C_4 C_6 R_1 R_2 R_3 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_5 + C_1 C_6 R_1 R_3 R_5 + C_4 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5\right)}$ **9.2366** X-INVALID-ORDER-2366 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{R_1 R_2 R_6}{C_1 C_4 C_6 R_1 R_2 R_3 R_5 R_6 s^3 + R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^2 \left(C_1 C_4 R_1 R_2 R_3 R_6 + C_1 C_6 R_1 R_2 R_3 R_6 + C_1 C_6 R_1 R_2 R_3 R_5 + C_1 R_1 R_2 R_3 + C_1 R_$ **9.2367** X-INVALID-ORDER-2367 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$ $H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^3 \left(C_1 C_4 C_6 R_1 R_2 R_3 R_6 - C_1 C_5 C_6 R_1 R_2 R_3 R_6 \right) + s^2 \left(C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_6 + C_1 C_6 R_1 R_3 R_6 + C_4 C_6 R_2 R_3 R_6 \right) + s \left(C_1 R_1 R_2 + C_1 R_1 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3 + C_6 R_1 R_6 + C_6 R_2 R_6 + C_6 R_3 R_6 \right)}$ **9.2368** X-INVALID-ORDER-2368 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$ $H(s) = \frac{C_5 R_1 R_2 R_6 s}{C_1 C_4 C_5 R_1 R_2 R_3 R_5 s^3 + R_1 + R_2 + R_3 + s^2 \left(C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3 + C_1 C_5 R_1 R_2 R_5 + C_1 C_5 R_1 R_3 R_5 + C_4 C_5 R_2 R_3 R_5\right) + s \left(C_1 R_1 R_2 + C_1 R_1 R_3 + C_4 R_2 R_3 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_2 R_5 + C_5 R_3 R_5\right)}$ **9.2369** X-INVALID-ORDER-2369 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_5 R_1 R_2}{C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_5 s^3 + C_6 R_1 + C_6 R_2 + C_6 R_3 + s^2 \left(C_1 C_4 C_6 R_1 R_2 R_3 - C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_5 + C_1 C_5 C_6 R_1 R_3 R_5 + C_4 C_5 C_6 R_2 R_3 R_5\right) + s \left(C_1 C_6 R_1 R_3 + C_4 C_6 R_2 R_3 + C_5 C_6 R_1 R_3 + C_5 C_6 R_2 R_3 + C_5 C_6 R_3 + C_5 C_6$ **9.2370** X-INVALID-ORDER-2370 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

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9.2371 X-INVALID-ORDER-2371 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_5 \kappa_1 \kappa_2 \kappa_6 s}{C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 s^4 + R_1 + R_2 + R_3 + s^3 \left(C_1 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_6 + C_1 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_5 C_6 R_1 R_2 R_5 + C_1 C_5 C_6 R_1 R_2 R_5 + C_1 C_5 C_6 R_1 R_2 R_5 + C_1 C_5 R_1 R_2 R_5 + C_1 C_5 R_1 R_5 R_5 +$

9.2372 X-INVALID-ORDER-2372 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_5 s + R_1 R_2}{s^3 \left(C_1 C_4 C_6 R_1 R_2 R_3 R_5 - C_1 C_5 C_6 R_1 R_2 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_5 + C_1 C_6 R_1 R_3 R_5 + C_4 C_6 R_2 R_3 R_5 - C_5 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5\right)}$

9.2373 X-INVALID-ORDER-2373 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_5R_6s^2 + R_1R_2 + s\left(C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{s^3\left(C_1C_4C_6R_1R_2R_3R_5 - C_1C_5C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_4C_6R_2R_3R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$

9.2374 X-INVALID-ORDER-2374 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_5R_1R_2R_5R_6s + R_1R_2R_6$ $\frac{C_5R_1R_2R_5R_6s + R_1R_2R_6}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_1C_4C_6R_1R_2R_3R_5R_6 - C_1C_5C_6R_1R_2R_3R_5R_6\right) + s^2\left(C_1C_4R_1R_2R_3R_5 - C_1C_5R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_6 + C_1C_6R_1R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6\right) + s\left(-C_1R_1R_2R_3 + C_1R_1R_2R_3 + C_1R_1R_2R_$

9.2375 X-INVALID-ORDER-2375 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4 R_1 R_2 R_4 s + R_1 R_2}{s^3 \left(-C_1 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R$

9.2376 X-INVALID-ORDER-2376 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_4C_6R_1R_2R_4R_6s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_6R_1R_2R_6\right)}{s^3\left(-C_1C_4C_6R_1R_2R_3R_4 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_4C_6R_2R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_3R_5 + C_4C$

9.2377 X-INVALID-ORDER-2377 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(-C_1C_4C_6R_1R_2R_3R_4R_6 + C_1C_4C_6R_1R_2R_3R_5R_6 + C_1C_4C_6R_1R_3R_4R_5R_6\right) + s^2\left(-C_1C_4R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_5 + C_1C_4R_1R_$

9.2378 X-INVALID-ORDER-2378 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{-C_1C_4C_5R_1R_2R_3R_4s^3 + R_1 + R_2 + R_3 + s^2\left(C_1C_4R_1R_2R_3 + C_1C_4R_1R_2R_4 + C_1C_4R_1R_3R_4 - C_1C_5R_1R_2R_3 - C_4C_5R_2R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_3 + C_4R_1R_4 + C_4R_2R_3 + C_4R_2R_4 + C_4R_3R_4 - C_5R_2R_3\right)}$

9.2379 X-INVALID-ORDER-2379 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_4C_5R_1R_2R_4s + C_5R_1R_2$ $H(s) = \frac{C_4C_5R_1R_2R_4s + C_5R_1R_2}{-C_1C_4C_5C_6R_1R_2R_3R_4s^3 + C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_1C_4C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_3 - C_4C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_3 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_3 + C_4C_6R_3R_3 + C_4C_6R_$

9.2380 X-INVALID-ORDER-2380 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_6\right)}{-C_1C_4C_5C_6R_1R_2R_3 + C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_1C_4C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_3 - C_4C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_3 + C_4C_6R_2R_3 + C_4C_6R_3R_3 + C_4C_6R_3R$

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9.2381 X-INVALID-ORDER-2381 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_3R_4R_5s^2 + C_5R_1R_2R_3R_4R_5s^2 + C_5R_1R_2R_3R_5s^2 + C_5R_1R_2R_3R_5s^2 + C_5R_1R_2R_3R_5s^2 + C_5R_1R_2R$

9.2382 X-INVALID-ORDER-2382 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^3\left(-C_1C_4C_5R_1R_2R_3R_4 + C_1C_4C_5R_1R_2R_3R_5 + C_1C_4C_5R_1R_2R_4R_5 + C_1C_4C_5R_1R_2R_3 + C_1C_4R_1R_2R_4 + C_1C_4R_1R_2R_4 + C_1C_5R_1R_2R_3 + C_1C_5R$

9.2383 X-INVALID-ORDER-2383 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_1R_2R_4s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(-C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_2R_3R_5 + C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3$

9.2384 X-INVALID-ORDER-2384 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4R_6s^2 + C_5R_1R_2R_4 + C_4C_5C_6R_1R_2R_4 + C_4C_5C_6R_1R_4 + C_4C_5C_6R$

9.2385 X-INVALID-ORDER-2385 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left(-C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_4 C_5 R_1 R_2 R_3 R_4 + C_1 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_4 C_5 R_1 R_2 R_3 R_4 + C_1 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_4 C_5 R_1 R_2 R_5 + C_1 C_4 C_5 R_1$

9.2386 X-INVALID-ORDER-2386 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $\frac{C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + s\left(C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}{-C_1C_4C_5R_1R_2R_3R_4R_5s^3 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(-C_1C_4R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_5 +$

9.2387 X-INVALID-ORDER-2387 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $C_4C_5R_1R_2R_4R_5s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_5R_1R_2R_5\right)$

 $H(s) = \frac{C_4 C_5 R_1 R_2 R_4 R_5 s^2 + R_1 R_2 + s \left(C_4 R_1 R_2 R_4 + C_5 R_1 R_2 R_5\right)}{-C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 - C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5) + s^2 \left(-C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R$

9.2388 X-INVALID-ORDER-2388 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $\frac{C_4C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_2 + s^2\left(C_4C_5R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_6 + C_5C_6R_1R_2R_5R_6\right) + s\left(C_4R_1R_2R_4 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right) + s\left(C_4R_1R_2R_4 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right) + s\left(C_4R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_5 + C_4C_6R_1R_4R_5 + C_4C_6R_1R_4R_5$

9.2389 X-INVALID-ORDER-2389 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-C_1C_4C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(-C_1C_4C_5R_1R_2R_3R_4R_5 - C_1C_4C_6R_1R_2R_3R_4R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_3R_4R_5R_6 - C_1C_5C_6R_1R_2R_3R_5R_6 - C_4C_5C_6R_2R_3R_4R_5R_6\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6 - C_4C_5C_6R_1R_2R_3R_4R_5R_6\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4R_5R_6\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5R_6\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5R_6\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5R_5R_5\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_4R_5R_5R_5\right) + s^2\left(-C_1C_4C_5R_1R_2R_3R_5R_5\right) + s^2\left(-C_1C_4C_5R_1R_2R_5R_5R_5\right) + s^2\left(-C_1C_4C_5R_1R_5R_5R_5\right) + s^2\left(-C_1C_4C_5R_1R_5R_5R_5\right) + s^2\left(-C_1C_4C_5R_5R_5R_5R_5\right) + s^2\left(-C_1C_4C_5R_5R_5R_5R_5\right$

9.2390 X-INVALID-ORDER-2390 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{R_1 R_2 R_4}{C_1 C_4 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_5 + C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_6 R_1 R_3 R_4 R_5 + C_4 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$

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9.2391 X-INVALID-ORDER-2391 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                 H(s) = \frac{C_6R_1R_2R_4R_6s + R_1R_2R_4}{C_1C_4C_6R_1R_2R_3R_4R_5s^3 + s^2\left(-C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_4R_5 + C_1C_6R_1R_3R_4R_5 + C_4C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}
9.2392 X-INVALID-ORDER-2392 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R_1 R_2 R_4 R_6
                                   \frac{R_1R_2R_4R_6}{C_1C_4C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + s^2\left(C_1C_4R_1R_2R_3R_4R_5 - C_1C_6R_1R_2R_3R_4R_6 + C_1C_6R_1R_2R_3R_4R_5R_6 + C_1C_6R_1R_3R_4R_5R_6 + C_4C_6R_2R_3R_4R_5R_6\right) + s\left(-C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_4R_5 - C_1C_6R_1R_2R_3R_4R_5 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_1C_6R
9.2393 X-INVALID-ORDER-2393 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^3 \left(C_1 C_4 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_6\right) + s^2 \left(C_1 C_4 R_1 R_2 R_3 R_4 - C_1 C_5 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_6 + C_1 C_6 R_1 R_3 R_4 R_6 + C_4 C_6 R_2 R_3 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 R_6\right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 - C_1 C_5 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 
9.2394 X-INVALID-ORDER-2394 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C_5R_1R_2R_4R_6s
H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{C_1 C_4 C_5 R_1 R_2 R_3 R_4 R_5 s^3 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_1 C_4 R_1 R_2 R_3 R_4 + C_1 C_5 R_1 R_2 R_3 R_5 + C_1 C_5 R_1 R_2 R_3 R_4 + C_1 C_5 R_1 R_
9.2395 X-INVALID-ORDER-2395 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_5 R_1 R_2 R_4}{C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s^2 \left(C_1 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_4 C_5 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_5 C_6 R_1 R_2 R_4 + 
9.2396 X-INVALID-ORDER-2396 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4
H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_1C_4C_5C_6R_1R_2R_3R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_4C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_5 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_
9.2397 X-INVALID-ORDER-2397 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 s^4 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^3 \left( C_1 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C
9.2398 X-INVALID-ORDER-2398 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                               9.2399 X-INVALID-ORDER-2399 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
```

 $H(s) = \frac{C_5C_6R_1R_2R_4R_5R_6s^2 + R_1R_2R_4 + s\left(C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^3\left(C_1C_4C_6R_1R_2R_3R_4R_5 - C_1C_5C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_1R$

9.2400 X-INVALID-ORDER-2400 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_5R_1R_2R_4R_5R_6s + R_1R_2R_4R_6$

 $\overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+s^{3}\left(C_{1}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}-C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_$

9.2404 X-INVALID-ORDER-2404 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_1C_3C_5C_6R_1R_2R_4R_5s^3 + C_6R_2 + C_6R_4 + s^2\left(C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_5 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_5C_6R_2R_4 + C_5C_6R_4R_4 + C_5C_$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{C_1C_3C_5R_1R_2R_4R_5s^3 + R_2 + R_4 + s^2\left(C_1C_3R_1R_2R_4 - C_1C_5R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_1C_5R_1R_4R_5 + C_3C_5R_1R_4R_5 + C_3C_5R_2R_4R_5\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_3R_2R_4 - C_5R_2R_4 + C_5R_2R_5 + C_5R_4R_5\right)}$

9.2405 X-INVALID-ORDER-2405 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_1C_3C_5C_6R_1R_2R_4R_5s^3 + C_6R_2 + C_6R_4 + s^2\left(C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_5 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_6R_2R_4 + C_5C_6R_2R_4 + C_5C_6R_4R_4 +$

9.2406 X-INVALID-ORDER-2406 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R}{C_1C_3C_5C_6R_1R_2R_4R_5R_6s^4 + R_2 + R_4 + s^3(C_1C_3C_5R_1R_2R_4R_5 + C_1C_5C_6R_1R_2R_4R_6 + C_1C_5C_6R_1R_2R_4R_5 + C_1C_5C_6R_1R_4R_5R_6 + C_3C_5C_6R_1R_4R_5R_6 + C_3C_5C_6R_2R_4R_5R_6) + s^2(C_1C_3R_1R_2R_4 - C_1C_5R_1R_2R_4 + C_1C_5R_1R$

9.2407 X-INVALID-ORDER-2407 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_3C_6R_1R_2R_4R_5R_6 - C_1C_5C_6R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5 - C_1C_6R_1R_2R_4R_6 + C_1C_6R_1R_2R_4R_5 + C_3C_6R_1R_4R_5R_6 + C_3C_6R_2R_4R_5R_6 - C_5C_6R_2R_4R_5R_6\right) + s\left(-C_1R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5 - C_1C_6R_1R_2R_4R_5 - C_1C_6R_1R_2R_4R_5 - C_1C_6R_1R_4R_5R_6 + C_3C_6R_1R_4R_5R_6 + C_3C_6R_2R_4R_5R_6 - C_5C_6R_2R_4R_5R_6\right) + s\left(-C_1R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5 - C_1C_5R_1R$

9.2408 X-INVALID-ORDER-2408 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.2409 X-INVALID-ORDER-2409 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^3\left(C_1C_3C_6R_1R_2R_6 + C_1C_4C_6R_1R_2R_6 - C_1C_5C_6R_1R_2R_6\right) + s^2\left(C_1C_3R_1R_2 + C_1C_4R_1R_2 - C_1C_5R_1R_2 + C_1C_6R_1R_6 + C_3C_6R_2R_6 + C_4C_6R_2R_6 - C_5C_6R_2R_6\right) + s\left(C_1R_1 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_6R_6\right) + 1}$

9.2410 X-INVALID-ORDER-2410 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^3\left(C_1C_3C_5R_1R_2R_5 + C_1C_4C_5R_1R_2R_5\right) + s^2\left(C_1C_3R_1R_2 + C_1C_4R_1R_2 - C_1C_5R_1R_2 + C_1C_5R_1R_5 + C_3C_5R_1R_5 + C_3C_5R_2R_5 + C_4C_5R_2R_5\right) + s\left(C_1R_1 + C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2 + C_5R_5\right) + 1}$

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9.2411 X-INVALID-ORDER-2411 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_3C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_2R_5\right) + s^2\left(C_1C_3C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_5C_6R_1R_5 + C_3C_5C_6R_1R_5 + C_3C_5C_6R_2R_5\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 + C_5C_6R_2\right)}{c_6 + s^3\left(C_1C_3C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_5C_6R_1R_2 + C_1C_5C_6R_1R_5 + C_3C_5C_6R_1R_5 + C_3C_5C_6R_2R_5\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 + C_5C_6R_2\right)}$

9.2412 X-INVALID-ORDER-2412 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_3C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_5C_6R_1R_2 + C_1C_5C_6R_1R_5 + C_3C_5C_6R_1R_5 + C_3C_5C_6R_2R_5 + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_1 + C_3C_6R_2 + C_5C_6R_2 +$

9.2413 X-INVALID-ORDER-2413 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^4\left(C_1C_3C_5C_6R_1R_2R_5R_6 + C_1C_4C_5C_6R_1R_2R_5 + C_1C_3C_6R_1R_2R_6 + C_1C_4C_5R_1R_2R_6 + C_1C_5C_6R_1R_5R_6 + C_3C_5C_6R_1R_5R_6 + C_3C_5C_6R_1R_5R_5 + C_3C_5C_6R_5R_5 + C_3C_5C_5R_5R_5 + C_3C_5C_5$

9.2414 X-INVALID-ORDER-2414 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_1C_3C_6R_1R_2R_5R_6 + C_1C_4C_6R_1R_2R_5R_6 - C_1C_5C_6R_1R_2R_5R_6\right) + s^2\left(C_1C_3R_1R_2R_5 - C_1C_5R_1R_2R_5 - C_1C_5R_1R_2R_5 - C_1C_6R_1R_2R_6 + C_3C_6R_1R_5R_6 + C_3C_6R_2R_5R_6 + C_4C_6R_2R_5R_6 - C_5C_6R_2R_5R_6\right) + s\left(-C_1R_1R_2 + C_1R_1R_2R_5 - C_1C_5R_1R_2R_5 - C_1C_6R_1R_2R_5 - C_1C_6R_1R_5 - C_1C_6$

9.2415 X-INVALID-ORDER-2415 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{C_1C_3C_4R_1R_2R_4R_5s^3 - R_2 + R_5 + s^2\left(C_1C_3R_1R_2R_5 - C_1C_4R_1R_2R_4 + C_1C_4R_1R_2R_5 + C_1C_4R_1R_4R_5 + C_3C_4R_1R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 + C_3R_2R_5 - C_4R_2R_4 + C_4R_2R_5 + C_4R_4R_5\right)}$

9.2416 X-INVALID-ORDER-2416 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4R_1R_2R_4s + C_3R_1R_2}{C_1C_3C_4C_6R_1R_2R_4s + C_3C_4C_6R_1R_2R_5 - C_1C_4C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5 + C_1C_4C_6R_1R_4R_5 + C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_1R_5 + C_3C_6R_1R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5 +$

9.2417 X-INVALID-ORDER-2417 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6\right)}{C_1C_3C_4C_6R_1R_2R_4R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(C_1C_3C_6R_1R_2R_5 - C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_4R_5 + C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_1R_2 + C_1C_6R_1R_5 + C_3C_6R_1R_5 + C$

9.2418 X-INVALID-ORDER-2418 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4R_1R_2R_4}{C_1C_3C_4C_6R_1R_2R_4R_5R_6s^4 - R_2 + R_5 + s^3\left(C_1C_3C_4R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_6 + C_1C_4C_6R_1R_4R_5R_6 + C_3C_4C_6R_1R_4R_5R_6 + C_3C_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_4R_5R_5 + C_3C_4C_6R_1R_5R_5 + C_3C_4C_6R_1R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_4C_6R_5R_5R_5 + C_3C_4C_6R_5$

9.2419 X-INVALID-ORDER-2419 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^3\left(C_1C_3C_4R_1R_2R_4 - C_1C_4C_5R_1R_2R_4\right) + s^2\left(C_1C_3R_1R_2 + C_1C_4R_1R_2 + C_1C_4R_1R_4 - C_1C_5R_1R_2 + C_3C_4R_1R_4 + C_3C_4R_2R_4 - C_4C_5R_2R_4\right) + s\left(C_1R_1 + C_3R_1 + C_3R_2 + C_4R_2 + C_4R_4 - C_5R_2\right) + 1}$

9.2420 X-INVALID-ORDER-2420 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_3C_4C_6R_1R_2R_4 - C_1C_4C_5C_6R_1R_2R_4\right) + s^2\left(C_1C_3C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_4C_6R_1R_4 + C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_4 - C_4C_5C_6R_2R_4\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_4 - C_5C_6R_2\right)}$

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9.2421 X-INVALID-ORDER-2421 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                       H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_6 + s^3\left(C_1C_3C_4C_6R_1R_2R_4 - C_1C_4C_5C_6R_1R_2R_4\right) + s^2\left(C_1C_3C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_4C_6R_1R_4 + C_3C_4C_6R_1R_4 + C_3C_4C_6R_2R_4\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_4 - C_5C_6R_2\right)}
9.2422 X-INVALID-ORDER-2422 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2
H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^4\left(C_1C_3C_4C_6R_1R_2R_4R_6 - C_1C_4C_5R_1R_2R_4 + C_1C_4C_6R_1R_2R_6 + C_1C_4C_6R_1R_2R_6 + C_3C_4C_6R_1R_4R_6 - C_4C_5C_6R_2R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_4R_6 - C_1C_5C_6R_1R_2R_6 + C_3C_4C_6R_1R_4R_6 + C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_3R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_4R_6 - C_1C_5C_6R_1R_4R_6 + C_3C_4C_6R_2R_4R_6 - C_4C_5C_6R_2R_4R_6\right) + s^2\left(C_1C_3R_1R_2R_4 + C_1C_4C_6R_1R_4R_6 + C_3C_4C_6R_1R_4R_6 + C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_3R_1R_2R_4 + C_1C_4C_6R_1R_4R_6 + C_3C_4C_6R_1R_4R_6 + C_3C_4C_6R_2R_4R_6\right) + s^2\left(C_1C_3R_1R_2R_4 + C_1C_4C_6R_1R_4R_6 + C_3C_4C_6R_1R_4R_6\right) + s^2\left(C_1C_3R_1R_2R_4 + C_1C_4C_6R_1R_4R_6 + C_3C_4C_6R_1R_4R_6\right) + s^2\left(C_1C_3R_1R_2R_4 + C_1C_4C_6R_1R_4R_6\right) + s^2\left(C_1C_3R_1R_4R_6\right) + s^2\left(C_1C_3R_4R_6\right) + 
9.2423 X-INVALID-ORDER-2423 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{C_1C_3C_4C_5R_1R_2R_4C_5r_1R_2R_4 + C_1C_3C_5R_1R_2R_5 + C_1C_4C_5R_1R_2R_5 + C_1C_4C_5R_1R_4R_5 + C_3C_4C_5R_1R_4R_5 + C_3C_4C_5R_1R_2 + C_1C_4R_1R_2 + C_1C_4R_1R_2 + C_1C_5R_1R_2 + C_1C_
9.2424 X-INVALID-ORDER-2424 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s
H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{C_1C_3C_4C_5C_6R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_4 + C_1C_4C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_4R_5 + C_3C_4C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C
9.2425 X-INVALID-ORDER-2425 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + S^2\left(C_3C_4C_5R_1R_4R_5 + S^2\left(C_3C_4C_
9.2426 X-INVALID-ORDER-2426 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                                  9.2427 X-INVALID-ORDER-2427 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
```

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_6 + C_3C_5R_1R_2R_5R_6\right)}{-R_2 + R_5 + s^3\left(C_1C_3C_4R_1R_2R_4R_5 - C_1C_4C_5R_1R_2R_4R_5\right) + s^2\left(C_1C_3R_1R_2R_5 - C_1C_4R_1R_2R_4 + C_1C_4R_1R_2R_5 + C_1C_4R_1R_4R_5 - C_1C_5R_1R_2R_5 + C_3C_4R_1R_4R_5 + C_3C_4R_2R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 + C_3R_2R_5 - C_4R_2R_4 + C_3C_4R_1R_4R_5 - C_4C_5R_2R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 + C_3R_2R_5 - C_4R_2R_4 + C_3C_4R_1R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 + C_3R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_4R_5\right) + s\left(-C_1R_1R_2 + C_1R_4R_5\right) + s\left(-C_1R_1R_4R_5\right) + s\left(-C_1R_4R_4R_5\right) + s\left(-C_1R_4R_4R_$

9.2428 X-INVALID-ORDER-2428 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_3C_4C_6R_1R_2R_4R_5 - C_1C_4C_5R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_5 + C_1C_4C_6R_1R_2$

9.2429 X-INVALID-ORDER-2429 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_4R_6 + C_3C_5C_6R_1R_2R_5R_6\right) + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_3C_4C_6R_1R_2R_4R_5 - C_1C_4C_5R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_5 +$

9.2430 X-INVALID-ORDER-2430 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-R_2 + R_5 + s^4 \left(C_1 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 - C_1 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6\right) + s^3 \left(C_1 C_3 C_4 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_6 + C_1 C_4 C_6 R_1 R_2 R_5 R_6 + C_1 C_4 C_6$

9.2433 X-INVALID-ORDER-2433 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_1C_3C_5R_1R_2R_4R_5 + C_1C_4C_5R_1R_2R_4 + C_1C_4R_1R_2R_4 - C_1C_5R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_1C_5R_1R_4R_5 + C_3C_5R_2R_4R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_3R_2R_4 + C_4R_2R_4 - C_5R_2R_4R_5 + C_4C_5R_2R_4R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_4R_2R_4 - C_5R_2R_4R_5 + C_4C_5R_2R_4R_5 + C_4C_5R_2R_4R_5 + C_4C_5R_2R_4R_5\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_4R_2R_4 - C_5R_2R_4R_5\right) + s\left(C_1R_1R_2 + C_4R_1R_4 + C_4R_2R_4 - C_4R_4R_5\right) + s\left(C_1R_1R_2 + C_4R_4R_5\right) + s\left$

9.2434 X-INVALID-ORDER-2434 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_3C_5C_6R_1R_2R_4R_5 + C_1C_4C_5C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 \right) + s\left(C_1C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 \right) + s\left(C_1C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_1R_4R_5 + C_4C_5C_6R_1R_5R_5 + C_4C_5C_6R_1R_5R_5 + C_4C_5C_6R_1R_5 + C_4C_5C_6R_1R_5 + C_4C_5C_6R_1R_5 + C_4C_5C_6R_1R_5 + C_4C_5C_6R_1R_5 +$

9.2435 X-INVALID-ORDER-2435 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_3C_5C_6R_1R_2R_4R_5 + C_1C_4C_5C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 \right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 \right) + s\left(C_1C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 \right) + s\left(C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 \right) + s\left(C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_3C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_2R_4R_5 \right) + s\left(C_1C_6R_1R_2R_4 + C_4C_5C_6R_1R_2R_4 + C_4C_5C_6R_1R_4R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_4R_4R_5 + C_4C_5C_6R_4R_5 +$

9.2436 X-INVALID-ORDER-2436 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_2 + R_4 + s^4 \left(C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_4 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_5 C_6 R_1 R$

9.2437 X-INVALID-ORDER-2437 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_3C_6R_1R_2R_4R_5R_6 + C_1C_4C_6R_1R_2R_4R_5R_6\right) + s^2\left(C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_6 + C_1C_6R_1R_2R_4R_5R_6 + C_3C_6R_1R_4R_5R_6 + C_3$

9.2438 X-INVALID-ORDER-2438 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3(-C_1C_3C_6R_1R_2R_3R_4R_6 + C_1C_3C_6R_1R_2R_3R_5R_6 + C_1C_3C_6R_1R_2R_4R_5R_6 + C_1C_3C_6R_1R_3R_4R_5R_6) + s^2(-C_1C_3R_1R_2R_3R_5 + C_1C_3R_1R_2R_3R_5 + C_1C_3R_1R_2R_$

9.2439 X-INVALID-ORDER-2439 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{-C_1C_3C_5R_1R_2R_3R_4s^3 + R_2 + R_4 + s^2\left(C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_4 + C_1C_3R_1R_3R_4 - C_1C_5R_1R_2R_4 - C_3C_5R_2R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 - C_5R_2R_4\right)}$

9.2440 X-INVALID-ORDER-2440 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{-C_1C_3C_5C_6R_1R_2R_3R_4s^3 + C_6R_2 + C_6R_4 + s^2\left(C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 - C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_2R_4 + C_3C_6R_2R_4\right)}$

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9.2441 X-INVALID-ORDER-2441 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                   H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{-C_1C_3C_6R_1R_2R_3R_4s^3 + C_6R_2 + C_6R_4 + s^2\left(C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 - C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_3C_6R_2R_3 + C_3C_6R_2R_4 + C_3C_6R_2R_4 + C_3C_6R_2R_4\right)}
9.2442 X-INVALID-ORDER-2442 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-C_1C_3C_5C_6R_1R_2R_3R_4R_6s^4 + R_2 + R_4 + s^3\left(-C_1C_3C_5R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4R_6 + C_1C_3C_6R_1R_2R_4R_6 - C_1C_5C_6R_1R_2R_4R_6 - C_3C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_4 + C_
9.2443 X-INVALID-ORDER-2443 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(-C_1C_3C_5R_1R_2R_3R_4 + C_1C_3C_5R_1R_2R_3R_5 + C_1C_3C_5R_1R_2R_4R_5 + C_1C_3C_5R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_1C_5R_1R_2R_4 + C_1C_5R_1R_2R_5 + C_1C_5R_1R_4R_5 + C_3C_5R_1R_4R_5 - C_3C_5R_2R_3R_4 + C_3C_5R_3R_3R_4 + C_3C_5R_3R_
9.2444 X-INVALID-ORDER-2444 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(-C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_4R_5 + C_1C
9.2445 X-INVALID-ORDER-2445 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s
H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(-C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 
9.2446 X-INVALID-ORDER-2446 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                         \overline{R_2 + R_4 + s^4 \left( -C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 R_6
```

9.2447 X-INVALID-ORDER-2447 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-C_1C_3C_5R_1R_2R_3R_4R_5s^3 - R_2R_4 + R_2R_5 + R_4R_5 + s^2\left(-C_1C_3R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_5 + C_1C_3R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5\right) + s\left(-C_1R_1R_2R_4 + C_1R_1R_2R_5 + C_1R_1R_4R_5 + C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_4\right)}$

9.2448 X-INVALID-ORDER-2448 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_1C_3C_5C_6R_1R_2R_3R_4F_5s^3 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(-C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_5C_6R_1R_2R_4R_5 - C_3C_5C_6R_2R_3R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_4 + C_1C_6R_1R_4 + C_1C_6R_1R_4 + C_1C_6R_1R_4 + C_1C_6R_1R_4 + C_1C_6R_1R_4$

9.2449 X-INVALID-ORDER-2449 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_1C_3C_5C_6R_1R_2R_3R_4R_5s^3 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(-C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_5C_6R_1R_2R_4R_5 - C_3C_5C_6R_2R_3R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4R_5 + C_1C_$

 $-C_{1}C_{3}C_{5}C_{6}n_{1}n_{2}n_{3}n_{4}n_{5}s^{*} - C_{6}n_{2}n_{4} + C_{6}n_{2}n_{5} + C_{6}n_{4}n_{5} + S \\ (-C_{1}C_{3}C_{6}n_{1}n_{2}n_{4}n_{5} + C_{1}C_{3}C_{6}n_{1}n_{2}n_{4}n_{5} + C_{1}C_{3}C_{6}n_{1}n_{2}n_{4}n_{5} + C_{1}C_{6}n_{1}n_{2}n_{4}n_{5} + C_{1}C_{3}C_{6}n_{1}n_{2}n_{4}n_{5} + C_{1}C_{6}n_{1}n_{2}n_{4}n_{5} + C_{1}C_{6}n_{1}n_{2}n_{4}n_{5$

9.2450 X-INVALID-ORDER-2450 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

9.2451 X-INVALID-ORDER-2451 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3R_1R_2R_6s}{C_1C_3C_4R_1R_2R_3R_5s^3 - R_2 + R_5 + s^2\left(-C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_5 + C_1C_3R_1R_3R_5 + C_1C_4R_1R_2R_5 + C_3C_4R_2R_3R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_4R_2R_5\right)}$

9.2452 X-INVALID-ORDER-2452 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1 R_2}{C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_5 s^3 - C_6 R_2 + C_6 R_5 + s^2 \left(-C_1 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_6 R_1 R_2 R_5 + C_1 C_4 C_6 R_1 R_2 R_5 + C_1 C_4 C_6 R_1 R_2 R_5 + C_1 C_4 C_6 R_1 R_2 + C_1 C_6 R_1 R_5 + C_3 C_6 R_1 R_5 + C_3 C_6 R_2 R_5 + C_3 C_6 R_3 R_5 + C_3 C_6 R_5 R_5 + C_3 C_6 R_5 R_5 + C_3 C_6 R_5 + C_5 C_6 R_5$

9.2453 X-INVALID-ORDER-2453 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_6s + C_3R_1R_2}{C_1C_3C_4C_6R_1R_2R_3R_5s^3 - C_6R_2 + C_6R_5 + s^2\left(-C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5 + C_3C_4C_6R_2R_3R_5\right) + s\left(-C_1C_6R_1R_2 + C_1C_6R_1R_5 + C_3C_6R_2R_3 + C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_2R_3 + C_3C_6R_3R_3 + C$

9.2454 X-INVALID-ORDER-2454 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_6 s}{C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_5 R_6 s^4 - R_2 + R_5 + s^3 \left(C_1 C_3 C_4 R_1 R_2 R_3 R_5 - C_1 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_6 R_1 R_2 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_5 R_6 + C_1 C_$

9.2455 X-INVALID-ORDER-2455 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^3\left(C_1C_3C_4R_1R_2R_3 - C_1C_3C_5R_1R_2R_3\right) + s^2\left(C_1C_3R_1R_2 + C_1C_3R_1R_3 + C_1C_4R_1R_2 - C_1C_5R_1R_2 + C_3C_4R_2R_3 - C_3C_5R_2R_3\right) + s\left(C_1R_1 + C_3R_1 + C_3R_2 + C_3R_3 + C_4R_2 - C_5R_2\right) + 1}$

9.2456 X-INVALID-ORDER-2456 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_3C_4C_6R_1R_2R_3 - C_1C_3C_5C_6R_1R_2R_3\right) + s^2\left(C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_3 + C_1C_4C_6R_1R_2 - C_1C_5C_6R_1R_2 + C_3C_4C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_1 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2\right)}$

9.2457 X-INVALID-ORDER-2457 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_3C_4C_6R_1R_2R_3 - C_1C_3C_5C_6R_1R_2R_3\right) + s^2\left(C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_3 + C_1C_4C_6R_1R_2 - C_1C_5C_6R_1R_2 + C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_3C_6R_1 + C_3C_6R_1 + C_3C_6R_3 + C_4C_6R_2 - C_5C_6R_2\right)}$

9.2458 X-INVALID-ORDER-2458 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^4\left(C_1C_3C_4C_6R_1R_2R_3R_6 - C_1C_3C_5C_6R_1R_2R_3R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_3 - C_1C_3C_5R_1R_2R_3 + C_1C_3C_6R_1R_2R_6 + C_1C_3C_6R_1R_2R_6 + C_1C_5C_6R_1R_2R_6 + C_3C_4C_6R_2R_3R_6\right) + s^2\left(C_1C_3R_1R_2 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_6 + C_1C_3C_6R_1R_2R$

9.2459 X-INVALID-ORDER-2459 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{C_1C_3C_4C_5R_1R_2R_3R_5s^4 + s^3\left(C_1C_3C_4R_1R_2R_3 - C_1C_3C_5R_1R_2R_3 + C_1C_3C_5R_1R_2R_5 + C_1C_4C_5R_1R_2R_5 + C_3C_4C_5R_2R_3R_5\right) + s^2\left(C_1C_3R_1R_2 + C_1C_3R_1R_2 + C_1C_5R_1R_2 + C_1C_5R_1R_5 + C_3C_4R_2R_3 + C_3C_5R_1R_3R_5 + C_3C_5R_1R_3R_5 + C_3C_4R_3R_5\right) + s^2\left(C_1C_3R_1R_2 + C_1C_5R_1R_2 + C_1C_5R_1R_2 + C_3C_5R_1R_3 + C_3C_5R_1R_3 + C_3C_5R_1R_3R_5 + C_3C_5R_3R_5 + C_3C_5R_3R_5 + C_3C_5R_3R_5 + C_3C_5R_3R_5$

9.2460 X-INVALID-ORDER-2460 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2s}{C_1C_3C_4C_5C_6R_1R_2R_3R_5s^4 + C_6 + s^3\left(C_1C_3C_4C_6R_1R_2R_3 - C_1C_3C_5C_6R_1R_2R_3 + C_1C_3C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C_5C_$

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9.2461 X-INVALID-ORDER-2461 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s
H(s) = \frac{C_3C_5C_6R_1R_2R_3F_5 + C_3C_5R_1R_2R_3}{C_1C_3C_4C_5C_6R_1R_2R_3 + C_1C_3C_5C_6R_1R_2R_3 + C_1C_3C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_2R_5 + C_1C_4C_5C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_5C_6R_1R_2 + C_1C_5C_6R_1R_
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9.2462 X-INVALID-ORDER-2462
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 s^5 + s^4 \left(C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_5 C_6 R$

9.2463 X-INVALID-ORDER-2463
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_1C_3C_4R_1R_2R_3R_5 - C_1C_3C_5R_1R_2R_3R_5\right) + s^2\left(-C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_1C_5R_1R_2R_5 + C_3C_4R_2R_3R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 - C_3R_2R_3 + C_3R_2R_5 + C_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_1R_2 + C_1R_1R_5 + C_3R_1R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_1R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_1R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_1R_5 + C_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_3R_3R_5 + C_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_3R_3R_5 + C_3R_3R_5\right) + s\left(-C_1R_3R_3R_5\right) + s\left(-C_1R_3R_$

9.2464 X-INVALID-ORDER-2464
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_5R_1R_2R_5s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 - C_1C_3C_5C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5$

9.2465 X-INVALID-ORDER-2465 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_5 - C_1C_3C_5C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_5 + C_1C_3C_6R_1R_5 + C_1C$

9.2466 X-INVALID-ORDER-2466 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-R_2 + R_5 + s^4 \left(C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_5 R_6 - C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6\right) + s^3 \left(C_1 C_3 C_4 R_1 R_2 R_3 R_5 - C_1 C_3 C_5 R_1 R_2 R_3 R_5 - C_1 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_5 R_6 - C_1 C_5 C_6 R_1 R_2 R_5 R_6 + C_3 C_4 C_6 R_2 R_3 R_5 R_6 - C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_3 C_4 C_6 R_1 R_2 R_5 R_6 + C_4 C_5 C_6 R_1 R_2 R_5 R_6 + C_4 C_5 C_6 R_1 R_2 R_5 R_6 + C_4 C_5 C_6 R_1 R_2 R_5 R_6 + C_5 C_6 R_5$

9.2467 X-INVALID-ORDER-2467 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(-C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4R_1R_2R_3R_5 + C_1C_3C_4R_1R_2R_3R_5 + C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_1C_4R_1R_2R_4 + C_1C_4R_1R_2R_5 + C_1C_4R_1R_4R_5 + C_3C_4R_1R_4R_5 - C_3C_4R_2R_3R_4 + C_3C_4R_2R_3R_5 + C_3C_4R_3R_3R_5 + C_3C_4R_3R_3R_5$

9.2468 X-INVALID-ORDER-2468 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $\frac{C_{3}C_{4}K_{1}K_{2}K_{4}s+C_{3}K_{1}K_{2}}{-C_{6}R_{2}+C_{6}R_{5}+s^{3}\left(-C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{3}$

9.2469 X-INVALID-ORDER-2469 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_4C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s(C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_4 + C_3C_6R_1R_2R_4 + C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_2R_4 + c_3C_6R_1R_2R_4R_6s^2 + c_3R_1R_2R_4 + c_3C_6R_1R_2R_4 + c_3C_6R_1R_4 + c_3C_6R_4 + c_3C_6R_5 + c_$

 $H(s) = \frac{-c_3c_4c_6n_1n_2n_4n_6c_5 + c_3n_1n_2n_4n_6c_5 + c_3n_1n_2n_4$

9.2470 X-INVALID-ORDER-2470 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $-R_2 + R_5 + s^4 \left(-C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_4 R_1 R_2 R_3 R_5 + C_1 C_3$

9.2471 X-INVALID-ORDER-2471 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

- $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{-C_1C_3C_4C_5R_1R_2R_3R_4s^4 + s^3\left(C_1C_3C_4R_1R_2R_3 + C_1C_3C_4R_1R_2R_4 + C_1C_3C_5R_1R_2R_3 C_1C_4C_5R_1R_2R_4 C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_3R_1R_2 + C_1C_4R_1R_2 + C_1C_4R_1R_4 C_1C_5R_1R_2 + C_3C_4R_1R_4 + C_3C_4R_2R_4 + C_3C_4R_3R_4 + C_3C_4R_3R$
- **9.2472** X-INVALID-ORDER-2472 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s}{-C_1C_3C_4C_5R_1R_2R_3R_4s^4 + C_6 + s^3\left(C_1C_3C_4C_6R_1R_2R_3 + C_1C_3C_4C_6R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_3 C_1C_4C_5C_6R_1R_2R_4 C_3C_4C_5C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_3 + C_1C_4C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_3 + C_1C_4C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_3 + C$
- **9.2473** X-INVALID-ORDER-2473 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{-C_1C_3C_4C_5C_6R_1R_2R_3R_4s^4 + C_6 + s^3\left(C_1C_3C_4C_6R_1R_2R_3 + C_1C_3C_4C_6R_1R_2R_4 + C_1C_3C_5C_6R_1R_2R_3 C_1C_4C_5C_6R_1R_2R_4 + C_3C_4C_5R_1R_2 + C_1C_3C_6R_1R_2 +$
- **9.2474** X-INVALID-ORDER-2474 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-C_1C_3C_4C_5C_6R_1R_2R_3R_4R_6s^5 + s^4\left(-C_1C_3C_4C_5R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_6 + C_1C_3C_4C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_2R_3R_6 C_1C_4C_5C_6R_1R_2R_4R_6 C_3C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 C_1C_4C_5C_6R_1R_2R_4R_6 C_3C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 C_1C_3C_5C_6R_1R_2R_4R_6 C_3C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 C_1C_3C_5C_6R_1R_2R_4R_6 C_3C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 C_3C_4C_5C_6R_1R_2R_4R_6 + C_3C_4C_5C_6R_1R_2R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6\right) + s^3\left(C_1C_3C_4R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_4R_4R_6\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_4R_4R_6\right) + s^3\left(C_1C_3C_4C_6R_1R_2R_4R_6 + C_1C_3C_4C_6R_1R_4R_4R_6\right) + s^3\left(C_1C_3C_4C_6R_1R_4R_4R_6 + C_1C_3C_4C_6R_1R_4R_4R_6\right) + s^3\left(C_1C_3C_4C_6R_1R_4R_4R_6\right) + s^3\left(C_1C_3C_4C_6R_4R_4R_4\right) + s^3\left(C_1C_3C_4C_6R_4R_4R_4\right) + s^3\left(C_1C_3C_4C_6R_4R_4R_4\right) + s^3\left(C$
- **9.2475** X-INVALID-ORDER-2475 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{1}{s^4 \left(-C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5\right) + s^3 \left(C_1 C_3 C_4 R_1 R_2 R_4 + C_1 C_3 C_4 R_1 R_2 R_4 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 + C_1 C_5 R_1 R_2 R_5 + C_1 C_5 R_1 R_5 + C_1 C_5 R$
- **9.2476** X-INVALID-ORDER-2476 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(-C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1$
- **9.2477** X-INVALID-ORDER-2477 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(-C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 + C_1 C_3 C_4$
- **9.2478** X-INVALID-ORDER-2478 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $\overline{s^5 \left(-C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 \right) + s^4 \left(-C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R$
- **9.2479** X-INVALID-ORDER-2479 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s}{-C_1C_3C_4C_5R_1R_2R_3R_4R_5s^4 R_2 + R_5 + s^3\left(-C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4R_1R_2R_3R_5 + C_1C_3C_4R_1R_2R_3R_5 C_1C_4C_5R_1R_2R_4R_5 C_3C_4C_5R_2R_3R_4R_5\right) + s^2\left(-C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_3R_5 C_1C_4C_5R_1R_2R_4R_5 C_3C_4C_5R_2R_3R_4R_5\right) + s^2\left(-C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_3R_5 + C_1C_3C_4R_1R_2R_4R_5 C_1C_3C_4R_1R_2R_4R_$
- **9.2480** X-INVALID-ORDER-2480 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $-C_1C_3C_4C_5C_6R_1R_2R_3R_4R_5s^4 C_6R_2 + C_6R_5 + s^3\left(-C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 C_1C_3C_5C_6R_1R_2R_3R_5 C_1C_4C_5C_6R_1R_2R_4R_5 C_3C_4C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 C_1C_4C_5C_6R_1R_2R_4R_5 C_3C_4C_5C_6R_2R_3R_4R_5\right) + s^2\left(-C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 C_1C_3C_4C_6R_1R_2R_3R_5 C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 C_1C_3C_4C_6R_1R_2R_3R_$

```
9.2481 X-INVALID-ORDER-2481 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
```

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_5s^4 - C_6R_2 + C_6R_5 + s^3\left(-C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 - C_1C_4C_5C_6R_1R_2R_4R_5 - C_3C_4C_5C_6R_2R_3R_4R_5) + s^2\left(-C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_3R_4 + C_1C_3C_4$

9.2482 X-INVALID-ORDER-2482 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

9.2483 X-INVALID-ORDER-2483 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{C_1 C_3 C_4 R_1 R_2 R_3 R_4 R_5 s^3 - R_2 R_4 + R_2 R_5 + R_4 R_5 + s^2 \left(-C_1 C_3 R_1 R_2 R_3 R_4 + C_1 C_3 R_1 R_2 R_4 R_5 + C_1 C_3 R_1 R_2 R_4 R_5 + C_1 C_4 R_1 R_2 R_4 R_5 + C_1 C_4 R_1 R_2 R_4 + C_1 R_1 R_2 R_5 + C_1 R_1 R_4 R_5 + C_3 R_1 R_4 R_5 - C_3 R_2 R_3 R_4 + C_3 R_2 R_3 R_5 + C_4 R_4 R_5 + C_4 R_5 R_5 +$

9.2484 X-INVALID-ORDER-2484 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_4}{C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 s^3 - C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s^2 \left(-C_1 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_4 C_6 R_1 R_2 R_4 R_5 + C_1 C_4 C_6 R_1 R_2 R_4 R_5 + C_1 C_6 R_1 R_2 R_5 + C_1 C_6$

9.2485 X-INVALID-ORDER-2485 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4$ $H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{C_1C_3C_4C_6R_1R_2R_3R_4F_5s^3 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(-C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_5 + C_3C_4C_6R_2R_3R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_4R_4 + C_1C_6R_1R_4R_4$

9.2486 X-INVALID-ORDER-2486 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{1}{C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}s^{4}-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}+s^{3}\left(C_{1}C_{3}C_{4}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{1}R_{2}R$

9.2487 X-INVALID-ORDER-2487 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_1C_3C_4R_1R_2R_3R_4 - C_1C_3C_5R_1R_2R_3R_4\right) + s^2\left(C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_4R_1R_2R_4 - C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_3R_1R_4 + C_3R_2R_3 + C_3R_2R_4 + C_3R_3R_4 + C_4R_2R_4\right)}$

9.2488 X-INVALID-ORDER-2488 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_4 - C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_3C_6R_1R_2R_4 + C_$

9.2489 X-INVALID-ORDER-2489 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s$ $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_4 - C_1C_3C_5C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_3C_4C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4 \right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_2 + C_1C_6R_1R_4 + C_3C_6R_1R_4 + C_3C_$

9.2490 X-INVALID-ORDER-2490 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{R_2 + R_4 + s^4 \left(C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_3 C_4 R_1 R_2 R_3 R_4 - C_1 C_3 C_5 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_3 C_6 R_1 R$

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9.2491 X-INVALID-ORDER-2491 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
```

 $H(s) = \frac{1}{C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 s^4 + R_2 + R_4 + s^3 \left(C_1 C_3 C_4 R_1 R_2 R_3 R_4 - C_1 C_3 C_5 R_1 R_2 R_3 R_4 + C_1 C_3 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_5 R_1 R_2 R_5 + C_1 C_3 C_5 R_1 R_2 R_5 + C_1 C_5 R_1 R_2 R_5 + C$

9.2492 X-INVALID-ORDER-2492
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{1}{C_1C_3C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_2 + C_6R_4 + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_4 - C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_1C_4C_5C_6R_1R_2R_4R_5 + C_1C_4C_5C_6R_1R_4R_4R_5 + C_1C_4C_5C_6R_1R_4R_5 + C_1C_4C_5C_6R_4R_4R_5 + C_1C_4C_5C_6R_4R_5R_5 + C_1C_4C_5C_6R_4R_5R_5 + C_1C_4C_5C_6R_4R_5R_5 + C_1C_4C_5C_6R_4R_$

9.2493 X-INVALID-ORDER-2493
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{1}{C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 s^4 + C_6 R_2 + C_6 R_4 + s^3 \left(C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 - C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_5 C_6 R_1 R$

9.2494 X-INVALID-ORDER-2494
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

9.2495 X-INVALID-ORDER-2495
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_3C_4R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_5 + C_1C_3R_1R_2R_4R_5 + C_1C_4R_1R_2R_4R_5 - C_1C_5R_1R_2R_4R_5 + C_3C_4R_2R_3R_4R_5 - C_3C_5R_2R_3R_4R_5 \right) + s\left(-C_1R_1R_2R_4 + C_1C_3R_1R_2R_4R_5 + C_1C_3R_1R_2R_4$

9.2496 X-INVALID-ORDER-2496
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

 $=\frac{C_3C_5R_1R_2R_4R_5s+C_3R_1R_2R_4}{-C_6R_2R_5+C_6R_4R_5+C_6R_4R_5+C_1C_3C_6R_1R_2R_3R_4+C_1C_3C_6R_1R_2R_3R_4+C_1C_3C_6R_1R_2R_3R_4+C_1C_3C_6R_1R_2R_3R_4+C_1C_3C_6R_1R_2R_3R_4+C_1C_3C_6R_1R_2R_4R_5+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6R_1R_2R_4+C_1C_3C_6$

9.2497 X-INVALID-ORDER-2497
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_5 + C_3C_6R_1R_2R$

9.2498 X-INVALID-ORDER-2498
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{-R_2R_4 + R_2R_5 + R_4R_5 + s^4\left(C_1C_3C_4C_6R_1R_2R_3R_4R_5R_6 - C_1C_3C_5C_6R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_3R_4R$

9.2499 X-INVALID-ORDER-2499 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_3 R_4 s + R_1 R_2 R_4}{C_1 C_3 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_5 + C_1 C_6 R_1 R_2 R_4 R_5 + C_3 C_6 R_1 R_3 R_4 R_5 + C_3 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)}$

9.2500 X-INVALID-ORDER-2500
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_3C_6R_1R_2R_3R_4R_6s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_6R_1R_2R_4R_6\right)}{C_1C_3C_6R_1R_2R_3R_4R_5s^3 + s^2\left(-C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_4R_5 + C_1C_6R_1R_3R_4R_5 + C_3C_6R_1R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$

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9.2501 X-INVALID-ORDER-2501 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6
H(s) = \frac{C_3R_1R_2R_3R_4R_6s + R_1R_2R_4R_6}{C_1C_3C_6R_1R_2R_3R_4R_5 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + R_3R
9.2502 X-INVALID-ORDER-2502 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^3\left(C_1C_3C_6R_1R_2R_3R_4R_6 - C_1C_5C_6R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_6 + C_1C_6R_1R_2R_3R_4R_6 + C_3C_6R_1R_3R_4R_6 + C_3C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_3C_6R_1R_3R_4R_6 + C_3C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_3C_6R_1R_3R_4R_6 + C_3C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_3C_6R_1R_3R_4R_6 + C_3C_6R_2R_3R_4R_6 - C_5C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_3C_6R_1R_3R_4R_6 + C_3C_6R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_3C_6R_1R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_3C_6R_1R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_3C_6R_1R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4 + C_1R_3R_4R_6\right) + s\left(C_1R_1R_2R_3R_4R_6\right) + s\left(C_1R_1
9.2503 X-INVALID-ORDER-2503 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s
H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{C_1C_3C_5R_1R_2R_3R_4R_5s^3 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^2\left(C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_5 + C_1C_5R_1R_2R_4R_5 + C_1C_5R_1R_3R_4R_5 + C_3C_5R_1R_3R_4R_5 + C_3C_5R_3R_4R_5 + C_3C_5R_3R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5R_5 + C_3C_5R_5R_5 + C_3C_5R_
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9.2504 X-INVALID-ORDER-2504 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4$ $H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_4}{C_1C_3C_5C_6R_1R_2R_3R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_3C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_5 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_1R_3R_4 + C_3C_5C_6R_1R_$

9.2505 X-INVALID-ORDER-2505 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)$ $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_1C_3C_5C_6R_1R_2R_3R_4 + C_6R_2R_3 + C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_3R_4R_5 + C_1C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_3R_3R_4 + C_3C_5C_6R_3R_3R_5 + C_3C_5C_6R_3R_3R_5 + C_3C_5C_6R_3R_3R_5 + C_3C_5C_6R_3R_3R_5 + C_3C_5C_6R_3R_3R_5 + C_3C_5C_6$

9.2506 X-INVALID-ORDER-2506 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.2507 X-INVALID-ORDER-2507 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)}{s^3\left(C_1C_3C_6R_1R_2R_3R_4R_5 - C_1C_5C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_3R_4 + C$

9.2508 X-INVALID-ORDER-2508 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_3C_5C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_4 + s^2\left(C_3C_5R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_4R_5R_6\right) + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^3\left(C_1C_3C_6R_1R_2R_3R_4R_5 - C_1C_5C_6R_1R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_5 + C_3C_6R_1R_3R_4R_5 + C_3C_6R_1R_3R_4R_5 - C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_3R_4 + C_6R_3R_3R_4 + C_6R_3R_3R_4$

9.2509 X-INVALID-ORDER-2509 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + s^3\left(C_1C_3C_6R_1R_2R_3R_4R_5R_6 - C_1C_5C_6R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4R_5 - C_1C_6R_1R_2R_3R_4R_5 - C_1C_6R_1$

9.2510 X-INVALID-ORDER-2510 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3R_1R_2R_3s + R_1R_2}{s^3\left(C_1C_3C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}$

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9.2511 X-INVALID-ORDER-2511 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                             H(s) = \frac{C_3C_6R_1R_2R_3R_6s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_6R_1R_2R_6\right)}{s^3\left(C_1C_3C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}
9.2512 X-INVALID-ORDER-2512 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_3R_1R_2R_3R_6s + R_1R_2R_6
                                          \frac{C_3R_1R_2R_3R_6s + R_1R_2R_6}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_1C_3C_6R_1R_2R_3R_5R_6 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_6 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_3R_5R_6 + C_3C_6R_1R_3R_5R_6 + C_3C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6\right) + s\left(-C_1R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_3C_6R_1R_3R_5R_6 + C_3C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6\right) + s\left(-C_1R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_3C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6\right) + s\left(-C_1R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_3C_6R_2R_3R_5R_6\right) + s\left(-C_1R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_5\right) + s\left(-C_1R_1R_2R_3R_5 - C_1C_6R_1R_2R_3R_5\right) + s\left(-C_1R_1R_2R_3R_5\right) + s\left(-
9.2513 X-INVALID-ORDER-2513 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^3\left(C_1C_3C_6R_1R_2R_3R_6 + C_1C_4C_6R_1R_2R_3R_6 - C_1C_5C_6R_1R_2R_3R_6\right) + s^2\left(C_1C_3R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_3R_6 + C_3C_6R_1R_3R_6 + C_3C_6R_2R_3R_6 + C_4C_6R_2R_3R_6 - C_5C_6R_2R_3R_6\right) + s\left(C_1R_1R_2 + C_1R_1R_2 + C_1R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_
9.2514 X-INVALID-ORDER-2514 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_6s}{R_1 + R_2 + R_3 + s^3\left(C_1C_3C_5R_1R_2R_3R_5 + C_1C_4C_5R_1R_2R_3 + C_1C_4R_1R_2R_3 - C_1C_5R_1R_2R_3 + C_1C_5R_1R_2R_3 + C_1C_5R_1R_3R_5 + C_3C_5R_2R_3R_5 + C_4C_5R_2R_3R_5\right) + s\left(C_1R_1R_2 + C_1R_1R_3 + C_3R_1R_3 + C_4R_2R_3 + C_4R_2R_3 + C_4R_2R_3 + C_4R_2R_3 + C_4R_3R_3 + C_4
9.2515 X-INVALID-ORDER-2515 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5R_1R_2R_3s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_1C_3C_5C_6R_1R_2R_3R_5 + C_1C_4C_5C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_3R_5 + C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 \right) + s\left(C_1C_3C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_3R_5 + C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 \right) + s\left(C_1C_3C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_3R_5 + C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 \right) + s\left(C_1C_3C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_3R_5 + C_3C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5 \right) + s\left(C_1C_3C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_4C_5C_6R_2R_3R_5 + C_4C_5C_6R_3R_3R_5 + C_4C_5C_6R_3R_5 + C_4C_5C_6R_3R_5 + C_4C_5C_6R_3R_5 + C_4C_5C_6R_3R_5 + C_4C_5C_6R_3R_5 + C_
9.2516 X-INVALID-ORDER-2516 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_5C_6R_1R_2R_3 + C_5C_6R_1R_2R
9.2517 X-INVALID-ORDER-2517 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left( C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_4 C_5 R_1 R_2 R_3 R_6 + C_1 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_5 C_6
9.2518 X-INVALID-ORDER-2518 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                    H(s) = \frac{C_3C_5R_1R_2R_3R_5s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_5R_1R_2R_5\right)}{s^3\left(C_1C_3C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5 - C_1C_5C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_3R_3 + C_6R_3
9.2519 X-INVALID-ORDER-2519 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                    H(s) = \frac{C_3C_5C_6R_1R_2R_3R_5R_6s^3 + R_1R_2 + s^2\left(C_3C_5R_1R_2R_3R_5 + C_3C_6R_1R_2R_3R_6 + C_5C_6R_1R_2R_3 + C_5R_1R_2R_3 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{s^3\left(C_1C_3C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_5C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_3C_6R_1R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_
9.2520 X-INVALID-ORDER-2520 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
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 $C_3C_5R_1R_2R_3R_5R_6s^2 + R_1R_2R_6 + s(C_3R_1R_2R_3R_6 + C_5R_1R_2R_3R_6 + C_5R_1R_2R_3R_5 + C_5R_1R_2R_5 + C_5R_1R_5 + C_5R_5 + C_$

9.2523 X-INVALID-ORDER-2523 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_6R_1R_2R_3R_4R_6s^3 + R_1R_2 + s^2\left(C_3C_4R_1R_2R_3R_4 + C_3C_6R_1R_2R_3R_6 + C_4C_6R_1R_2R_4R_6\right) + s\left(C_3R_1R_2R_3 + C_4R_1R_2R_4R_6\right) + s\left(C_3R_1R_2R_3R_4 + C_3C_6R_1R_2R_3R_4 + C_3C_6R_1R_2R_3R_4$

9.2524 X-INVALID-ORDER-2524 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_3C_4C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4R_6 + C_1C_4C_6R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_5 + C_1C_4C_6R_1R_5 + C_1C_4C_6R_1R_5 + C_1C_4C_6R_$

9.2525 X-INVALID-ORDER-2525 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_2R_6s + s^2\left(C_3C_5R_1R_2R_3R_6 + C_4C_5R_1R_2R_4R_6\right)}{R_1 + R_2 + R_3 + s^3\left(C_1C_3C_4R_1R_2R_3R_4 - C_1C_4C_5R_1R_2R_3R_4 + C_1C_4R_1R_2R_3 + C_1C_4R_1R_2R_4 + C_1C_4R_1R_3R_4 - C_1C_5R_1R_2R_3 + C_3C_4R_1R_3R_4 + C_3C_4R_2R_3R_4 - C_4C_5R_2R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_3 + C_3R_1R_3 + C_3R_2R_3 + C_4R_1R_4R_4\right)}$

9.2526 X-INVALID-ORDER-2526 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_4C_5R_1R_2R_4\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_4 - C_1C_4C_5R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 + C_1C_4C$

9.2527 X-INVALID-ORDER-2527 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_3R_4 + C_3C_5C_6R_1R_2R_3R_6 + C_4C_5C_6R_1R_2R_4R_6\right) + s\left(C_3C_5R_1R_2R_3 + C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_4 +$

9.2528 X-INVALID-ORDER-2528 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 (C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_3 R_6 - C_1 C_4 C_5 R_1 R_2 R_3 R_6 + C_1 C_4 C_6 R_1 R$

9.2529 X-INVALID-ORDER-2529 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{1}{C_1C_3C_4C_5R_1R_2R_3R_4R_5s^4 + R_1 + R_2 + R_3 + s^3\left(C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_5R_1R_2R_3R_4 + C_1C_4C_5R_1R_2R_3R_5 + C_1C_4C_5R_1R_2R_3R_4 + C_1C_4C_$

9.2530 X-INVALID-ORDER-2530 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{1}{C_1C_3C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_1 + C_6R_2 + C_6R_3 + s^3(C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_3R_5 + C_1C_4C_5$

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9.2531 X-INVALID-ORDER-2531 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{1}{C_1C_3C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_2R_3R_5 + C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_$

9.2532 X-INVALID-ORDER-2532
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

9.2533 X-INVALID-ORDER-2533
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_6 + s^2\left(C_3C_4R_1R_2R_3R_4R_6 + C_3C_5R_1R_2R_3R_5R_6 + C_4C_5R_1R_2R_4R_5R_6\right) + s\left(C_3R_1R_2R_3R_6 + C_4C_5R_1R_2R_3R_4R_5 + C_4C_5R_1R_2R_3R_4R_5 + C_4C_5R_1R_2R_3R_4R_5 + C_4C_5R_1R_2R_3R_4R_5 + C_4C_5R_1R_2R_3R_4R_5 + C_4C_5R_1R_2R_3R_4 + C_4C_5$

9.2534 X-INVALID-ORDER-2534
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$$

 $C_3C_4C_5R_1R_2R_3R_4R_5s^3 + R_1R_2 + s^2(C_3C_4R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_4 + C_3C_5R_1R_2R_3R_5 + C_4C_5R_1R_2R_3R_5 + C_4C_5R_1R_5R_5 + C_4C_5R_5R_5 + C_4C_5R_5R_5 + C_5R_5R_5R_5 + C_5R_5R_5 + C_5R_5 + C_5$ $\frac{C_{3}C_{4}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}s^{6} + R_{1}R_{2} + s^{2}\left(C_{3}C_{4}R_{1}R_{2}R_{3}R_{4} + C_{3}C_{5}R_{1}R_{2}R_{3}R_{5} + C_{4}C_{5}R_{1}R_{2}R_{3}R_{4} + C_{3}C_{5}R_{1}R_{2}R_{3}R_{5} + C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{3}C_{5}R_{1}R_{2}R_{3}R_{5} + C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} - C_{1}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{4}C_{$

9.2535 X-INVALID-ORDER-2535 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_2R_3R_4R_6 + C_3C_5C_6R_1R_2R_3R_5R_6 + C_4C_5C_6R_1R_2R_3R_4 + C_3C_5C_6R_1R_2R_3R_4 + C_3C_5C_6R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_3R_4R_5 + C_3C_4C_6R$

9.2536 X-INVALID-ORDER-2536 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{R_{1}R_{5}-R_{2}R_{3}+R_{2}R_{5}+R_{3}R_{5}+s^{4}\left(C_{1}C_{3}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}-C_{1}C_{4}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{4}C_{$

9.2537 X-INVALID-ORDER-2537 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3R_1R_2R_3R_4s + R_1R_2R_4}{s^3\left(C_1C_3C_6R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_4C_6R_2R_3R_4R_5 + C_6R_2R_3R_4 + C_6R_3R_3R_4 + C_6R_3R_3R_$

9.2538 X-INVALID-ORDER-2538 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$

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

9.2539 X-INVALID-ORDER-2539 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{c_3r_1r_2r_3r_4}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s^3\left(C_1C_3C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5 + C_1C_4R_1R_2R_3R_4R_5 - C_1C_6R_1R_2R_3R_4R_6 + C_1C_6R_1R_2R_3R_4R_5 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_1$

9.2540 X-INVALID-ORDER-2540 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s$

 $\frac{-3C_{3}R_{1}R_{2}R_{3}R_{4}}{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}+S^{3}\left(C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{4}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{6}R_{1}$

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9.2541 X-INVALID-ORDER-2541 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4R_6s}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^3\left(C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_4R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4 + C_1C_5R_1R_3R_4 + C_
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9.2542 X-INVALID-ORDER-2542 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_3R_4s + C_5R_1R_2R_3$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4s + C_5R_1R_2}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^3\left(C_1C_3C_5C_6R_1R_2R_3R_4R_5 + C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_1C_$

9.2543 X-INVALID-ORDER-2543 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4$

9.2544 X-INVALID-ORDER-2544 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^4\left(C_1C_3C_5C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_1C_4C_5R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_1R_2R_5C_6R_1R_5C_6R_1R_5C_6R_1R_5C_6R_1R_5C_6R_1R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_5C_6R_$

9.2545 X-INVALID-ORDER-2545 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)}{s^3\left(C_1C_3C_6R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4R_5 - C_1C_5C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4R_5 + C_1C_6R_1R_3R_4R_5 + C$

9.2546 X-INVALID-ORDER-2546 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_4 + s^2\left(C_3C_5R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_3R_4 + C_5R_1R_2R_3R_4 + C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_5 + C_6R_1R_2R_4R_5 + C_6R_1R_2R_3R_4R_5 + C_6R_1R_2R_3R_4 + C_6R_1R_2R_3R_4R_5 + C_6R_1R_2R_3R_4R_5 + C_6R_1R_2R_3R_4R_5 +$

9.2547 X-INVALID-ORDER-2547 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + R_3 R_4 R_5 + R_3 R_4 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_3 R_4 R_5 R_6 - C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_4 R_1 R_2 R_3 R_4 R_5 - C_1 C_5 R_1 R_2 R_3 R_4 R_5 - C_1 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_6 R_1 R_2 R_3 R_4 R_5$

9.2548 X-INVALID-ORDER-2548 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{R_1 R_4}{C_1 C_2 C_6 R_1 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_5 + C_1 C_6 R_1 R_4 R_5 + C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$

9.2549 X-INVALID-ORDER-2549 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_6 R_1 R_4 R_6 s + R_1 R_4}{C_1 C_2 C_6 R_1 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_5 + C_1 C_6 R_1 R_4 R_5 + C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$

9.2550 X-INVALID-ORDER-2550 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{R_1R_4R_6}{C_1C_2C_6R_1R_3R_4R_5R_6s^3 - R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_1C_2R_1R_3R_4R_5 - C_1C_6R_1R_3R_4R_6 + C_1C_6R_1R_3R_4R_5 + C_2C_6R_1R_4R_5R_6 + C_2C_6R_3R_4R_5R_6\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5 - C_6R_3R_4R_6\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5 - C_6R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5 - C_6R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5 - C_6R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5 - C_6R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_2R_1R_4R_5\right) + s\left(-C_1R_1R_3R_5 + C_2R_1R_4R_5\right) + s\left(-C_1R_1R_3R_5 + C_2R_1R_4R_5\right) + s\left(-C_1R_1R_3R_5 + C_1R_1R_4R_5\right) + s\left(-C_1R_1R_3R_5\right) + s\left(-C_1R_1R_4R_5\right) + s\left(-C_1R_1R_4R$

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9.2551 X-INVALID-ORDER-2551 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^3 \left(C_1 C_2 C_6 R_1 R_3 R_4 R_6 - C_1 C_5 C_6 R_1 R_3 R_4 + C_1 C_5 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_6 + C_1 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 - C_5 C_6 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4 + C_6 R_3 R_6 + C_6 R_4 R_6 \right) + s \left(C_1 R_1 R_3 + C_1 R_4 R_6 + C_2 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_3 + C_1 R_4 R_6 + C_2 R_3 R_4 + C_6 R_3 R_6 + C_6 R_4 R_6 \right)$

9.2552 X-INVALID-ORDER-2552 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_5 R_1 R_4 R_6 s}{C_1 C_2 C_5 R_1 R_3 R_4 R_5 s^3 + R_3 + R_4 + s^2 \left(C_1 C_2 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_5 + C_1 C_5 R_1 R_3 R_5 + C_1 C_5 R_1 R_4 R_5 + C_2 C_5 R_1 R_4 R_5 \right) + s \left(C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4 + C_5 R_3 R_5 + C_5 R_4 R_5 \right)}$

9.2553 X-INVALID-ORDER-2553 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_1 R_4}{C_1 C_2 C_5 C_6 R_1 R_3 R_4 R_5 s^3 + C_6 R_3 + C_6 R_4 + s^2 \left(C_1 C_2 C_6 R_1 R_3 R_4 - C_1 C_5 C_6 R_1 R_3 R_4 + C_1 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_1 R_4 + C_2 C_6 R_1 R_4 + C_2 C_6 R_3 R_4 - C_5 C_6 R_3 R_4 + C_5 C_6 R_5 R_5 + C_5 C_$

9.2554 X-INVALID-ORDER-2554 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_4R_6s + C_5R_1R_4}{C_1C_2C_5C_6R_1R_3R_4R_5s^3 + C_6R_3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_3R_4 - C_1C_5C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_5 + C_1C_5C_6R_1R_4R_5 + C_2C_5C_6R_1R_4R_5 + C_2C_5C_6R_1R_4 + C_2C_6R_3R_4 + C_5C_6R_3R_4 +$

9.2555 X-INVALID-ORDER-2555 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_1}{C_1 C_2 C_5 C_6 R_1 R_3 R_4 R_5 R_6 s^4 + R_3 + R_4 + s^3 \left(C_1 C_2 C_5 R_1 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_5 C_6 R_1 R_5 R_5 R_6 + C_2 C_5 C_6 R_1 R_5 R_5 R_6 + C_2 C_5 C_6 R_1 R_5 R_5 R_5 R_5 R_5 R_5 R_$

9.2556 X-INVALID-ORDER-2556 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_5 R_1 R_4 R_5 s + R_1 R_4}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_4 R_5 - C_1 C_5 C_6 R_1 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_5 + C_1 C_6 R_1 R_4 R_5 + C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}$

9.2557 X-INVALID-ORDER-2557 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_4R_5R_6s^2 + R_1R_4 + s\left(C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 - C_1C_5C_6R_1R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_5 + C_1C_6R_1R_4R_5 + C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 - C_5C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$

9.2558 X-INVALID-ORDER-2558 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

9.2559 X-INVALID-ORDER-2559 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{R_1}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_5 + C_1 C_4 C_6 R_1 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_5 + C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5\right) + s \left(-C_6 R_3 + C_6 R_5\right)}$

9.2560 X-INVALID-ORDER-2560 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_6 R_1 R_6 s + R_1}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_5 + C_1 C_4 C_6 R_1 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_5 + C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5\right) + s \left(-C_6 R_3 + C_6 R_5\right)}$

9.2561 X-INVALID-ORDER-2561 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{R_1 R_6}{-R_3 + R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_3 R_5 R_6\right) + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5 - C_1 C_6 R_1 R_3 R_6 + C_1 C_6 R_1 R_5 R_6 + C_2 C_6 R_1 R_5 R_6 + C_2 C_6 R_3 R_5 R_6\right) + s \left(-C_1 R_1 R_3 + C_1 R_1 R_5 + C_2 R_1 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5 - C_6 R_3 R_6 + C_6 R_5 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_5 R_6 + C_1 C_4 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5 - C_1 C_6 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5$

9.2562 X-INVALID-ORDER-2562 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_1 R_6 s}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_6 + C_1 C_4 C_6 R_1 R_3 R_6 - C_1 C_5 C_6 R_1 R_3 R_6\right) + s^2 \left(C_1 C_2 R_1 R_3 + C_1 C_4 R_1 R_3 - C_1 C_5 R_1 R_3 + C_1 C_6 R_1 R_6 + C_2 C_6 R_1 R_6 + C_2 C_6 R_3 R_6 + C_4 C_6 R_3 R_6\right) + s \left(C_1 R_1 + C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3 + C_6 R_6\right) + 1}$

9.2563 X-INVALID-ORDER-2563 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_5 R_1 R_6 s}{s^3 \left(C_1 C_2 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5\right) + s^2 \left(C_1 C_2 R_1 R_3 + C_1 C_4 R_1 R_3 - C_1 C_5 R_1 R_3 + C_1 C_5 R_1 R_5 + C_2 C_5 R_1 R_5 + C_2 C_5 R_3 R_5 + C_4 C_5 R_3 R_5\right) + s \left(C_1 R_1 + C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3 + C_5 R_5\right) + 1}$

9.2564 X-INVALID-ORDER-2564 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_1}{C_6 + s^3 \left(C_1 C_2 C_5 C_6 R_1 R_3 R_5 + C_1 C_4 C_5 C_6 R_1 R_3 R_5\right) + s^2 \left(C_1 C_2 C_6 R_1 R_3 + C_1 C_4 C_6 R_1 R_3 + C_1 C_5 C_6 R_1 R_5 + C_2 C_5 C_6 R_1 R_5 + C_2 C_5 C_6 R_3 R_5\right) + s \left(C_1 C_6 R_1 + C_2 C_6 R_1 + C_2 C_6 R_3 + C_4 C_6 R_3 + C_5 C_6 R_3\right)}$

9.2565 X-INVALID-ORDER-2565 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_6s + C_5R_1}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_3R_5\right) + s^2\left(C_1C_2C_6R_1R_3 + C_1C_4C_6R_1R_3 - C_1C_5C_6R_1R_5 + C_2C_5C_6R_1R_5 + C_2C_5C_6R_3R_5\right) + s\left(C_1C_6R_1 + C_2C_6R_1 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3 + C_5C_6R_5\right)}$

9.2566 X-INVALID-ORDER-2566 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_1 R_6 s}{s^4 \left(C_1 C_2 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_2 C_6 R_1 R_3 R_6 + C_1 C_4 C_5 R_1 R_3 R_6 + C_1 C_5 C_6 R_1 R_5 R_6 + C_2 C_5 C_6 R_1 R_5 R_6 + C_2 C_5 C_6 R_3 R_5 R_6 + C_4 C_5 C_6 R_3 R_5 R_6 \right) \\ + s^2 \left(C_1 C_2 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_6 R_1 R_3 R_6 + C_1 C_5 C_6 R_1 R_5 R_6 + C_2 C_5 C_6 R_3 R_5 R_6 + C_4 C_5 C_6 R_3 R_5 R_6 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_6 + C_1 C_5 C_6 R_1 R_5 R_6 + C_2 C_5 C_6 R_1 R_5 R_6 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_6 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_3 R_5 \right) \\ + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_5 R_5 \right) \\ + s^2 \left(C_1 C_$

9.2567 X-INVALID-ORDER-2567 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5 R_1 R_5 s + R_1}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_5 + C_1 C_4 C_6 R_1 R_3 R_5 - C_1 C_5 C_6 R_1 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_5 + C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 - C_5 C_6 R_3 R_5\right) + s \left(-C_6 R_3 + C_6 R_5\right)}$

9.2568 X-INVALID-ORDER-2568 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_5C_6R_1R_5R_6s^2 + R_1 + s\left(C_5R_1R_5 + C_6R_1R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_5 + C_1C_4C_6R_1R_3R_5 - C_1C_5C_6R_1R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_6R_1R_5 + C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_4C_6R_3R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$

9.2569 X-INVALID-ORDER-2569 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_1 R_5 R_6 s + R_1 R_6}{-R_3 + R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_3 R_5 R_6 - C_1 C_5 C_6 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5 - C_1 C_5 R_1 R_3 R_5 - C_1 C_6 R_1 R_3 R_5 + C_2 C_6 R_1 R_5 R_6 + C_2 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 R_6 - C_5 C_6 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_3 + C_1 R_1 R_5 R_6 + C_2 C_6 R_1 R_5 R_6 + C_2 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_3 R_5 - C_1 C_5 R_1 R_5 R_6 + C_4 C_6 R_3 R_5 R_6 + C_4 C_6 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_3 R_5 - C_1 C_5 R_1 R_3 R_5 - C_1 C_5 R_1 R_5 R_6 \right) + s \left(-C_1 R_1 R_3 R_5 - C_1 C_5 R_1 R_3 R_5 - C_1 C_5 R_1 R_5 R_6 \right) + s \left(-C_1 R_1 R_3 R_5 - C_1 C_5 R_1 R_5 R_6 \right) + s \left(-C_1 R_1 R_5 R_6 - C_1 R_5 R_6 \right) + s \left(-C_1 R_1 R_5 R_6 - C_1 R_5 R_5 R_6 \right) + s \left(-C_1 R_1 R_5 R_6 - C_1 R_5 R_5 R_6 \right) + s \left(-C_1 R_1 R_5 R_6 - C_1 R_5 R_5 R_6 \right) + s \left(-C_1 R_1 R_5 R_6 - C_1 R_5 R_6 \right) + s \left(-C$

9.2570 X-INVALID-ORDER-2570 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $\frac{C_4R_1R_4R_6s+R_1R_6}{C_1C_2C_4R_1R_3R_4R_5s^3-R_3+R_5+s^2\left(C_1C_2R_1R_3R_5-C_1C_4R_1R_3R_4+C_1C_4R_1R_3R_5+C_2C_4R_1R_4R_5+C_2C_4R_3R_4R_5\right)+s\left(-C_1R_1R_3+C_1R_1R_5+C_2R_1R_5+C_2R_3R_5-C_4R_3R_4+C_4R_3R_5+C_4R_4R_5\right)}$

9.2573 X-INVALID-ORDER-2573 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4 R_1 R_4 R_5 R_6 s^4 - R_3 + R_5 + s^3 \left(C_1 C_2 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_6 R_1 R_3 R_5 R_6 - C_1 C_4 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_4 R_5 R_6 + C_2 C_4 C_6 R_1 R_4 R_5 R_6 + C_2 C_4 C_6 R_3 R_4 R_5 R_6 \right) + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5 R_6 \right) + s^2 \left(C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_1 R_5 R_5 + C_1 C_4$

9.2574 X-INVALID-ORDER-2574 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_6s^2 + C_5R_1R_6s}{s^3\left(C_1C_2C_4R_1R_3R_4 - C_1C_4C_5R_1R_3R_4\right) + s^2\left(C_1C_2R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_4 - C_1C_5R_1R_3 + C_2C_4R_1R_4 + C_2C_4R_3R_4 - C_4C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_1 + C_2R_3 + C_4R_3 + C_4R_4 - C_5R_3\right) + 1}$

9.2575 X-INVALID-ORDER-2575 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_1R_4s + C_5R_1}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_3R_4 - C_1C_4C_5C_6R_1R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_4 + C_2C_4C_6R_3R_4 - C_4C_5C_6R_3R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_3 + C_4C_6R_3 + C_$

9.2576 X-INVALID-ORDER-2576 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_4R_6s^2 + C_5R_1 + s\left(C_4C_5R_1R_4 + C_5C_6R_1R_6\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_3R_4 - C_1C_4C_5C_6R_1R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_4 + C_2C_4C_6R_1R_4 + C_2C_4C_6R_3R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_1 + C_2C_6R_3 + C_4C_6R_3 + C_4C_6R_3 + C_4C_6R_3\right)}$

9.2577 X-INVALID-ORDER-2577 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_6s^2 + C_5R_1R_6s}{s^4\left(C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4 + C_1C_2C_4R_1R_3R_4 + C_1C_4C_6R_1R_3R_6 + C_1C_4C_6R_1R_$

9.2578 X-INVALID-ORDER-2578 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_4C_5R_1R_4R_6s^2 + C_5R_1R_6s}{C_1C_2C_4C_5R_1R_3R_4 + S^4 + S^3\left(C_1C_2C_4R_1R_3R_4 + C_1C_2C_5R_1R_3R_5 + C_1C_4C_5R_1R_3R_5 + C_1C_4C_5R_1R_4R_5 + C_2C_4C_5R_1R_4R_5 + C_2C_4C_5R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_5R_1R_3 + C_1C_5R_1R_3 + C_1C_5R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_5R_1R_3 +$

9.2579 X-INVALID-ORDER-2579 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5R_1R_4s + C_5R_1}{C_1C_2C_4C_5C_6R_1R_3R_4R_5s^4 + C_6 + s^3\left(C_1C_2C_4C_6R_1R_3R_4 + C_1C_2C_5C_6R_1R_3R_4 + C_1C_4C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_4R_5 + C_2C_4C_5C_6R_1R_4R_5 + C_2C_4C_5C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_$

9.2580 X-INVALID-ORDER-2580 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_4R_6s^2 + C_5R_1 + s\left(C_4C_5R_1R_4 + C_5C_6R_1R_3R_4 + C_1C_4C_5C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_1C_5C$

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9.2581 X-INVALID-ORDER-2581 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_2C_4C_5C_6R_1R_3R_4R_5R_6s^5 + s^4\left(C_1C_2C_4C_5R_1R_3R_4R_6 + C_1C_2C_5C_6R_1R_3R_4R_6 + C_1C_4C_5C_6R_1R_3R_5R_6 + C_1C_4C_5C_6R_1R_3R_5R_6 + C_1C_4C_5C_6R_1R_4R_5R_6 + C_2C_4C_5C_6R_1R_4R_5R_6 + C_2C_4C_5C_6R_1R_4R_5R_6 + C_2C_4C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_4R_6 + C_1C_4C_5C_6R_1R_4R_5R_6 + C_1C_4C_5C_6R_1R_5R_5R_5 + C_1C_4C_5C_6R_1R_5R_5R_5 + C_1C_4C_5C_6R_1R_5R_
9.2582 X-INVALID-ORDER-2582 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_4C_5R_1R_4R_5R_6s^2 + R_1R_6 + s\left(C_4R_1R_4R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^3\left(C_1C_2C_4R_1R_3R_4R_5 - C_1C_4C_5R_1R_3R_4R_5 + c_1C_4R_1R_3R_4 + C_1C_4R_1R_3R_5 + C_1C_4R_1R_3R_5 + C_1C_4R_1R_3R_5 + C_2C_4R_1R_4R_5 + C_2C_4R_3R_4R_5 + c_2C_4R_3R_4
9.2583 X-INVALID-ORDER-2583 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_4C_5R_1R_4R_5s^2 + R_1 + s\left(C_4R_1R_4 + C_5R_1R_5\right)}{s^4\left(C_1C_2C_4C_6R_1R_3R_4R_5 - C_1C_4C_5R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_4R_5 - C_1C_5C_6R_1R_4R_5 + C_2C_4C_6R_3R_4R_5 - C_4C_5C_6R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_4R_5 + C_1C_4C_
9.2584 X-INVALID-ORDER-2584 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_4C_5C_6R_1R_4R_5R_6s^3 + R_1 + s^2\left(C_4C_5R_1R_4R_5 + C_4C_6R_1R_4R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_4R_1R_4 + C_5R_1R_5 + C_6R_1R_6\right)}{s^4\left(C_1C_2C_4C_6R_1R_3R_4R_5 - C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_3R_5 + C_2C_4C_6R_1R_4R_5 + C_2C_4C_4C_4C_4R_4R_4 + C_2C_4C_4C_4R_4R_5 + C_2C_4C_4C_4C_4R_4R_5 + C_2C_4C_4C_4C_4R_4R_5 + C_2C_4C_4C_4
9.2585 X-INVALID-ORDER-2585 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{1}{-R_3 + R_5 + s^4 \left( C_1 C_2 C_4 C_6 R_1 R_3 R_4 R_5 R_6 - C_1 C_4 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_2 C_6 R_1 R_3 R_4 R_5 - C_1 C_4 C_6 R_1 R_4 R_5 R_6 - C_1 C_5 C_6 R_1 R_3 R_5 R_6 + C_2 C_4 C_6 R_1 R_5 R_6 - C_1 C_5 C_6 
9.2586 X-INVALID-ORDER-2586 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                           H(s) = \frac{R_1 R_4}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_4 R_5 + C_1 C_4 C_6 R_1 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_5 + C_1 C_6 R_1 R_4 R_5 + C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 + C_4 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}
9.2587 X-INVALID-ORDER-2587 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                           H(s) = \frac{C_6R_1R_4R_6s + R_1R_4}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_5 + C_1C_6R_1R_4R_5 + C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}
9.2588 X-INVALID-ORDER-2588 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{R_1 R_4 R_6}{-R_3 R_4 + R_3 R_5 + R_4 R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_4 C_6 R_1 R_3 R_4 R_5 R_6\right) + s^2 \left(C_1 C_2 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_3 R_4 R_6 + C_1 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_6 R_1 R_4 R_5 R_6 + C_2 C_6 R_3 R_4 R_5 R_6 + C_4 C_6 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_6 R_1 R_4 R_5 R_6 + C_2 C_6 R_3 R_4 R_5 R_6 + C_4 C_6 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 - C_1 C_6 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_3 R_4 R_5 R_6\right) + s \left(-C_1 R_1 R_4 R_5 R_6\right) + s \left(-C_1 R_4 R_5 R_6\right) + s \left(-C_1$

9.2589 X-INVALID-ORDER-2589 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_5 R_1 R_4 R_6 s}{R_3 + R_4 + s^3 \left(C_1 C_2 C_6 R_1 R_3 R_4 R_6 + C_1 C_4 C_6 R_1 R_3 R_4 R_6 - C_1 C_5 C_6 R_1 R_3 R_4 + C_1 C_4 R_1 R_3 R_4 + C_1 C_5 R_1 R_3 R_4 + C_1 C_6 R_1 R_4 R_6 + C_2 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 - C_5 C_6 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_5 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 + C_4 C_6 R_3 R_4 R_6 + C_5 C_6 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_5 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_4 R_6 + C_2 C_6 R_3 R_4 R_6 + C_4 C_6 R_3 R_4 R_6 + C_5 C_6 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 \right) + s \left(C_1 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_4$

9.2590 X-INVALID-ORDER-2590 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

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9.2591 X-INVALID-ORDER-2591 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)
H(s) = \frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4 + s^3 \left(C_1 C_2 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_4 C_5 C_6 R_1 R_3 R_4 + C_1 C_4 C_6 R_1 R_3 R_4 + C_1 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_3 R_4 R_5 + C_4 C_5 C_6 R_3 R_4 R_5 \right) + s \left(C_1 C_6 R_1 R_3 R_4 + C_1 C_6 C_6 R_1 R_3 R_4 + C_1 C_5 C_6 R_1 R_3 R_4 + C_1 C_5 C_6 R_1 R_4 R_5 + C_2 C_5 C_6 R_1 R_4 R_5 + C_4 C_5 C_6 R_3 R_4 R_5 \right) + s \left(C_1 C_6 R_1 R_3 R_4 + C_1 C_5 C_6 R_1 R_3 R_4 + C_
9.2592 X-INVALID-ORDER-2592 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
                              \frac{C_5C_6R_1R_4R_6s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_5 + C_1C_5C_6R_1R_3R_5 + C_2C_5C_6R_1R_4R_5 + C_2C_5C_6R_3R_4R_5 + C_4C_5C_6R_3R_4R_5 \right) + s\left(C_1C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_1
9.2593 X-INVALID-ORDER-2593 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{R_3 + R_4 + s^4 \left( C_1 C_2 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_5 + C_1 C_2 C_6 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_5 + C_1 C_4 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_5 + C_1 C_4 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_5 + C_1 C_4 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6 \right) + s^3 \left( C_1 C_2 C_5 R_1 R_3 R_4 R_6
9.2594 X-INVALID-ORDER-2594 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                           H(s) = \frac{C_5 R_1 R_4 R_5 s + R_1 R_4}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_4 R_5 + C_1 C_4 C_6 R_1 R_3 R_4 R_5 - C_1 C_5 C_6 R_1 R_3 R_4 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_4 R_5 + C_2 C_6 R_1 R_4 R_5 + C_2 C_6 R_3 R_4 R_5 + C_4 C_6 R_3 R_4 R_5\right) + s \left(-C_6 R_3 R_4 + C_6 R_3 R_5 + C_6 R_4 R_5\right)}
9.2595 X-INVALID-ORDER-2595 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
                                           H(s) = \frac{C_5C_6R_1R_4R_5R_6s^2 + R_1R_4 + s\left(C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_4R_5 + C_1C_5C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_4R_5 + C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_3R_5 + C_4C_6R_5R_5 
9.2596 X-INVALID-ORDER-2596 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_5R_1R_4R_5R_6s + R_1R_4R_6
                                \frac{C_5\kappa_1\kappa_4\kappa_5\kappa_6s + \kappa_1\kappa_4\kappa_6}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3\left(C_1C_2C_6R_1R_3R_4R_5R_6 + C_1C_4C_6R_1R_3R_4R_5R_6 + C_1C_5C_6R_1R_3R_4R_5 + C_1C_4R_1R_3R_4R_5 - C_1C_5R_1R_3R_4R_5 - C_1C_6R_1R_3R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_1R_5 + C_
9.2597 X-INVALID-ORDER-2597 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
9.2598 X-INVALID-ORDER-2598 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                                                \frac{C_{3}C_{5}R_{1}R_{4}R_{6}s^{2}}{s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{4}R_{6}\right)+s^{2}\left(C_{1}C_{2}R_{1}R_{4}+C_{1}C_{3}R_{1}R_{4}+C_{1}C_{6}R_{1}R_{6}+C_{2}C_{3}R_{1}R_{4}+C_{2}C_{6}R_{4}R_{6}+C_{3}C_{6}R_{4}R_{6}\right)+s\left(C_{1}R_{1}+C_{2}R_{4}+C_{3}R_{4}+C_{5}R_{4}+C_{6}R_{6}\right)+1}
9.2599 X-INVALID-ORDER-2599 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                 H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_1C_2C_5R_1R_4R_5 + C_1C_3C_5R_1R_4R_5 + C_2C_3C_5R_1R_4R_5\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3R_1R_4 - C_1C_5R_1R_4 + C_1C_5R_1R_5 + C_2C_3R_1R_4 + C_2C_5R_4R_5 + C_3C_5R_4R_5\right) + s\left(C_1R_1 + C_2R_4 + C_3R_4 - C_5R_4 + C_5R_5\right) + 1}
9.2600 X-INVALID-ORDER-2600 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
```

 $H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_1R_4R_5 + C_1C_3C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5 + s(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_4 + C_5C_6R_4 + C_5C_6R_5)\right)}$

```
9.2601 X-INVALID-ORDER-2601 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_6s}, R_6 + \frac{1}{C_6s}\right)
 \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_6+s^3(C_1C_2C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_1R_4R_5) + s^2(C_1C_2C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_2C_5C_6R_4R_5 + C_2C_3C_6R_4R_5) + s(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_4 + C_5C_6R_5)} 
9.2602 X-INVALID-ORDER-2602 Z(s) = \left(\frac{R_3}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
 \frac{C_3C_5R_1R_4R_5}{s^4(C_1C_2C_5C_6R_1R_4R_5R_6 + C_1C_3C_5C_6R_1R_4R_5R_6 + C_2C_3C_5C_6R_1R_4R_5R_6) + s^3(C_1C_2C_5R_1R_4R_5 + C_1C_3C_6R_1R_4R_6 + C_1C_3C_6R_1R_4R_6 + C_1C_5C_6R_1R_4R_6 + C_1C_5C_6R_1R_4R
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9.2603 X-INVALID-ORDER-2603 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_1C_2C_6R_1R_4R_5R_6 + C_1C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_1R_4R_5R_6 + C_2C_3R_1R_4R_5 + C_1C_6R_1R_4R_5 + C_1C_6R_1R_5 + C$

9.2604 X-INVALID-ORDER-2604 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_1 R_6 s}{s^3 \left(C_1 C_2 C_6 R_1 R_5 R_6 + C_1 C_3 C_6 R_1 R_5 R_6 + C_2 C_3 C_6 R_1 R_5 R_6 + C_2 C_3 C_6 R_1 R_5 R_6 + C_1 C_4 R_1 R_5 + C_1 C_3 R_1 R_5 + C_1 C_4 R_1 R_5 + C_1 C_4 R_1 R_5 + C_2 C_6 R_5 R_6 + C_3 C_6 R_5 R_6 + C_4 C_6 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 + C_3 R_5 + C_4 R_5 - C_6 R_6 \right) - 1 \left(-C_1 R_1 + C_2 R_5 + C_3 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 + C_3 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 + C_3 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 + C_2 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5 R_6 \right) + s \left(-C_1 R_1 R_5 R_6 + C_4 R_5 R_6 + C_4 R_5$

9.2605 X-INVALID-ORDER-2605 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_5R_1 + C_2C_3R_1\right)}$$

9.2606 X-INVALID-ORDER-2606 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_4C_6R_1 - C_1C_5C_6R_1 + C_2C_3C_6R_1\right)}$$

9.2607 X-INVALID-ORDER-2607 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_6s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_4C_6R_1 - C_1C_5C_6R_1 + C_2C_3C_6R_1\right)}$$

9.2608 X-INVALID-ORDER-2608 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_5C_6R_1R_5R_6 + C_1C_3C_5C_6R_1R_5R_6 + C_2C_3C_5C_6R_1R_5R_6\right) + s^2\left(C_1C_2C_5R_1R_5 + C_1C_3C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_1C_4C_6R_1R_6 + C_1C$

9.2609 X-INVALID-ORDER-2609 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_3C_5R_1R_5R_6s^2 + C_3R_1R_6s}{s^3\left(C_1C_2C_6R_1R_5R_6 + C_1C_3C_6R_1R_5R_6 + C_1C_5C_6R_1R_5R_6 + C_2C_3C_6R_1R_5R_6\right) + s^2\left(C_1C_2R_1R_5 + C_1C_3R_1R_5 + C_1C_4R_1R_5 - C_1C_5R_1R_5 + C_2C_3R_1R_5 + C_2C_6R_5R_6 + C_3C_6R_5R_6 + C_3C_6R_5R_6 + C_3C_6R_5R_6\right) + s\left(-C_1R_1 + C_2R_1R_5 + C_1C_3R_1R_5 + C_2C_3R_1R_5 + C_2C$$

9.2610 X-INVALID-ORDER-2610 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_3C_4R_1R_4R_6s^2 + C_3R_1R_6s}{s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_3C_4R_1R_4R_5 + C_2C_3C_4R_1R_4R_5\right) + s^2\left(C_1C_2R_1R_5 + C_1C_3R_1R_5 - C_1C_4R_1R_4 + C_1C_4R_1R_5 + C_2C_4R_4R_5 + C_3C_4R_4R_5\right) + s\left(-C_1R_1 + C_2R_5 + C_3R_5 - C_4R_4 + C_4R_5\right) - 1}$$

9.2614 X-INVALID-ORDER-2614 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_5 s}, \frac{1}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_4C_6R_1R_4R_6 + C_1C_3C_4C_6R_1R_4R_6 + C_2C_3C_4C_6R_1R_4R_6 + C_2C_3C_4C_6R_1R_4 + C_1C_3C_6R_1R_6 + C_1C_3C_4R_1R_4 + C_1C_3C_6R_1R_6 + C_1C_4C_5R_1R_4 + C_1C_3C_6R_1R_6 + C_1C_4C_5R_1R_4 + C_1C_3C_6R_1R_6 + C_1C_4C_5R_1R_4 + C_1C_4C_6R_1R_6 + C_1C_4C_5R_1R_4 + C_1C_4C_6R_1R_6 + C_1C_4C_5R_1R_4 + C_1C_4C_6R_1R_6 + C_1C_4C_5R_1R_4 + C_1C_4C_6R_1R_6 + C_1C_4C_5R_1R_4 + C_1C_4C_6R_1R_4 + C_$

9.2615 X-INVALID-ORDER-2615 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_4C_5R_1R_4R_5 + C_1C_3C_4C_5R_1R_4R_5 + c_2C_3C_4C_5R_1R_4R_5 + c_2C_3C_4C_5R_1R_4 + C_1C_2C_5R_1R_5 + C_1C_3C_4R_1R_4 + C_1C_3C_5R_1R_5 + C_2C_3C_4R_1R_4 + C_2C_3C_5R_1R_5 + C_2C_3C_4C_5R_1R_5 + C_2C_3C_4C_5R_1R_5 + C_2C_3C_4C_5R_1R_5 + C_2C_3C_4C_5R_1R_5 + C_2C_3C_4C_5R_1R_5 + C_2C_3C_4C_5R_1R_5 + C_2C_3C_5R_1R_5 + C_$

9.2616 X-INVALID-ORDER-2616 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_1C_2C_4C_5C_6R_1R_4R_5 + C_1C_3C_4C_5C_6R_1R_4R_5\right) + s^2\left(C_1C_2C_4C_6R_1R_4 + C_1C_2C_5C_6R_1R_5 + C_1C_3C_4C_6R_1R_4 + C_1C_3C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_4 + C_1C_4C_5C_6R$

9.2617 X-INVALID-ORDER-2617 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_4R_6s^2 + C_3C_5R_1 + s\left(C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_4 + C_3C_5C_6R_1R$

9.2618 X-INVALID-ORDER-2618 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{C_2 + C_3 + C_4 - C_5 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R_1 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_5 R$

9.2619 X-INVALID-ORDER-2619 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_3C_4R_1R_4R_6 + C_3C_5R_1R_5R_6\right)}{s^3\left(C_1C_2C_4R_1R_4R_5 + C_1C_3C_4R_1R_4R_5 + C_2C_3C_4R_1R_4R_5 + C_2C_3C_4R_1R_4R_5 + C_1C_4R_1R_5 - C_1C_5R_1R_5 + C_2C_4R_4R_5 + C_2C_4R_4R_5 + C_3C_4R_4R_5 + C_3C$

9.2620 X-INVALID-ORDER-2620 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_5s^2 + C_3R_1 + s\left(C_3C_4R_1R_4 + C_3C_5R_1R_5\right)}{-C_6 + s^3\left(C_1C_2C_4C_6R_1R_4R_5 + C_1C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_4C_6R_1R_5 + C_2C_3C_6R_1R_5 + C_2C_3C_4C_6R_1R_5 + C_2C_3C_4C_$

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9.2621 X-INVALID-ORDER-2621 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5C_6R_1R_4R_5R_6s^3 + C_3R_1 + s^2\left(C_3C_4C_5R_1R_4R_5 + C_3C_4C_6R_1R_4R_6 + C_3C_5C_6R_1R_5R_6\right) + s\left(C_3C_4R_1R_4 + C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{-C_6 + s^3\left(C_1C_2C_4C_6R_1R_4R_5 + C_1C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_1R_5 + C_2C_3C_
9.2622 X-INVALID-ORDER-2622 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{s^4 \left( C_1 C_2 C_4 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_4 R_5 R_6 - C_1 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_1 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_5 R_6 + C_1 C_3 C_4 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_5 R_6 - C_1 C_4 C_6 R_1 R_4 R_5 - C_1 C_4 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_5 R_6 + C_1 C_5 C_6 R_1 R
9.2623 X-INVALID-ORDER-2623 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_3 R_1 R_4 R_6 s}{-R_4 + R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 R_1 R_4 R_5 + C_1 C_4 R_4 R_5 R_6 +
9.2624 X-INVALID-ORDER-2624 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                                               \frac{C_{3}C_{5}R_{1}R_{4}R_{6}s^{2}}{s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{4}+C_{1}C_{3}R_{1}R_{4}+C_{1}C_{5}R_{1}R_{4}+C_{1}C_{6}R_{1}R_{6}+C_{2}C_{3}R_{1}R_{4}+C_{2}C_{6}R_{4}R_{6}+C_{3}C_{6}R_{4}R_{6}+C_{4}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}C_{6}R_{4}R_{6}+C_{5}
9.2625 X-INVALID-ORDER-2625 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_1C_2C_5R_1R_4R_5 + C_1C_3C_5R_1R_4R_5 + C_1C_4C_5R_1R_4R_5 + C_2C_3C_5R_1R_4R_5 + C_1C_3R_1R_4 + C_1C_5R_1R_5 + C_2C_3R_1R_4 + C_1C_3R_1R_4 + C_1C_3R_1R_4 + C_1C_5R_1R_5 + C_2C_3R_1R_4 + C_1C_5R_1R_5 + C_2C_3R_1R_4 + C_1C_3R_1R_5 + C_2C_3R_1R_4 + C_1C_3R_1R_5 + C_2C_3R_1R_5 + C_2C_3
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9.2626 X-INVALID-ORDER-2626 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_$

9.2627 X-INVALID-ORDER-2627 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_2C_5C_6R_4R_5 + C_3C_5C_6R_4R_5 + C_$

9.2628 X-INVALID-ORDER-2628 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{s^4 \left(C_1 C_2 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_1 R_4 R_5 R_6 \right) \\ + s^3 \left(C_1 C_2 C_5 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_1 C_4 C_6 R_1$

9.2629 X-INVALID-ORDER-2629 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s$ $H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_1C_2C_6R_1R_4R_5R_6 + C_1C_3C_6R_1R_4R_5R_6 + C_1C_5C_6R_1R_4R_5R_6 + C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_1R_4R_5 + C_1C_3R_1R_4R_5 + C_1C_4R_1R_4R_5 - C_1C_5R_1R_4R_5 - C_1C_6R_1R_4R_5 + C_1C_6R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_6R_4R_5R_5 + C_2C_3R_1R_4R_5 + C_2C$

9.2630 X-INVALID-ORDER-2630 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_4 R_6 s}{C_1 C_2 C_3 R_1 R_3 R_4 R_5 s^3 - R_4 + R_5 + s^2 \left(C_1 C_2 R_1 R_4 R_5 - C_1 C_3 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_5 + C_1 C_3 R_1 R_4 R_5 + C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5\right) + s \left(-C_1 R_1 R_4 + C_1 R_1 R_5 + C_2 R_4 R_5 - C_3 R_3 R_4 + C_3 R_3 R_5 + C_3 R_4 R_5\right)}$

9.2631 X-INVALID-ORDER-2631 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1 R_4}{C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 s^3 - C_6 R_4 + C_6 R_5 + s^2 \left(C_1 C_2 C_6 R_1 R_4 R_5 - C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 + C_1 C_6 R_1 R_5 + C_2 C_6 R_4 R_5 - C_3 C_6 R_3 R_4 + C_3 C_6 R_3 R_5 + C_3 C_6 R_4 R_5 \right)}$

9.2632 X-INVALID-ORDER-2632 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{C_1C_2C_3C_6R_1R_3R_4R_5s^3 - C_6R_4 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 + C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5\right)}$

9.2633 X-INVALID-ORDER-2633 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3 R_1 R_4 R_6 s}{C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 R_6 s^4 - R_4 + R_5 + s^3 \left(C_1 C_2 C_3 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_6 R_1 R_4 R_5 R_6 + C_2 C_3 C_6 R_3 R_4 R_5 R_6 \right) + s^2 \left(C_1 C_2 R_1 R_4 R_5 - C_1 C_3 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_5 + C_1 C_3 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_5 R_6 \right)}$

9.2634 X-INVALID-ORDER-2634 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_1C_2C_3R_1R_3R_4 - C_1C_3C_5R_1R_3R_4\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3R_1R_3 + C_1C_3R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3 + C_3R_4 - C_5R_4\right) + 1}$

9.2635 X-INVALID-ORDER-2635 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_4s}{C_6 + s^3\left(C_1C_2C_3C_6R_1R_3R_4 - C_1C_3C_5C_6R_1R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_2C_3C_6R_1R_4 + C_2C_3C_6R_3R_4 - C_3C_5C_6R_3R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 - C_5C_6R_4\right)}$

9.2636 X-INVALID-ORDER-2636 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_6 + s^3\left(C_1C_2C_3C_6R_1R_3R_4 - C_1C_3C_5C_6R_1R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_5C_6R_1R_4 + C_2C_3C_6R_1R_4 + C_2C_3C_6R_3R_4 - C_3C_5C_6R_3R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_4 + C_3C_6R_3 + C_3C_6R_4 - C_5C_6R_4\right)}$

9.2637 X-INVALID-ORDER-2637 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^4\left(C_1C_2C_3C_6R_1R_3R_4R_6 - C_1C_3C_5C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_6 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_6R_1R_4R_6 + C_2C_3C_6R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_6R_1R_4R_6 + C_2C_3C_6R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_6 + C_2C_3C_6R_1R_4R_6 + C_2C_3C_6R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_6\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_6\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3C_6R_1R_4R_6\right) + s^2\left(C_1C_2R_1R_4R_6 + C_1C_3C_6R_1R_4R_6\right) + s^2\left(C_1C_2R_1R_4R_6\right) + s^2\left(C_1C_2R_1R_4$

9.2638 X-INVALID-ORDER-2638 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{C_1C_2C_3C_5R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_3R_1R_3R_4 + C_1C_2C_5R_1R_4R_5 - C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_4R_5 + C_2C_3C_5R_1R_4R_5 + C_2C_3$

9.2639 X-INVALID-ORDER-2639 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_4s}{C_1C_2C_3C_5C_6R_1R_3R_4R_5s^4 + C_6 + s^3\left(C_1C_2C_3C_6R_1R_3R_4 + C_1C_2C_5C_6R_1R_3R_4 + C_1C_3C_5C_6R_1R_3R_5 + C_1C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_3R_4R_5\right) + s^2\left(C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_3C$

9.2640 X-INVALID-ORDER-2640 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_1R_4s}{C_1C_2C_3C_5C_6R_1R_3R_4 + C_1C_2C_5C_6R_1R_4R_5 + C_2C_3C_5C_6R_1R_4R_5 + C$

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 \textbf{9.2641} \quad \textbf{X-INVALID-ORDER-2641} \ Z(s) = \left( \frac{R_1}{C_1R_1s+1}, \ \frac{1}{C_2s}, \ R_3 + \frac{1}{C_3s}, \ R_4, \ R_5 + \frac{1}{C_5s}, \ \frac{R_6}{C_6R_6s+1} \right) 
 H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_3R_4R_5R_6s^5 + s^4\left(C_1C_2C_3C_5R_1R_3R_4R_5 + C_1C_2C_3C_6R_1R_4R_5R_6 - C_1C_3C_5C_6R_1R_3R_4R_6 + C_1C_3C_5C_6R_1R_3R_4R_5R_6 + C_1C_3C_5C_6R_1R_4R_5R_6 + C_2C_3C_5C_6R_1R_4R_5R_6 + C_2C_3C_5C_6R_1R_4R_5R_
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9.2642 X-INVALID-ORDER-2642 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_1C_2C_3R_1R_3R_4R_5 - C_1C_3C_5R_1R_3R_4R_5 + C_1C_3R_1R_3R_4 + C_1C_3R_1R_3R_4 + C_1C_3R_1R_3R_5 + C_1C_3R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_3R_3R_4R_5 + C_3C_5R_3R_4R_5 \right) + s\left(-C_1R_1R_4 + C_1R_1R_5 + C_2R_4R_5 - C_3R_3R_4 + C_3R_3R_5 + C_3R_3R_4R_5 - C_3R_3R_4 - C_3R_3R_5 - C_3R_3R_5 - C_3R_3R_5 - C_3R_3R_5 - C_3R_3R_5 -$

9.2643 X-INVALID-ORDER-2643 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_5s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_3R_4R_5 - C_1C_3C_5C_6R_1R_3R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_1C_3C_6R_1R_4R_5 - C_3C_5C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5 \right) + s\left(-C_1C_6R_1R_4R_5 - C_1C_5C_6R_1R_4R_5 - C_3C_5C_6R_3R_4R_5 - C$

9.2644 X-INVALID-ORDER-2644 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_3R_4R_5 - C_1C_3C_6R_1R_3R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 - C_1C_5C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_4 + C_1$

9.2645 X-INVALID-ORDER-2645 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{-R_4 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 R_6 - C_1 C_3 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 + C_1 C_2 C_6 R_1 R_3 R_4 R_5 - C_1 C_3 C_6 R_1 R_4 R_5 R_6 + C_1 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_5 C_6 R_1$

9.2646 X-INVALID-ORDER-2646 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_3 R_1 R_6 s}{s^3 \left(C_1 C_2 C_3 R_1 R_3 R_5 + C_1 C_3 C_4 R_1 R_3 R_5\right) + s^2 \left(C_1 C_2 R_1 R_5 - C_1 C_3 R_1 R_3 + C_1 C_3 R_1 R_5 + C_1 C_4 R_1 R_5 + C_2 C_3 R_1 R_5 + C_2 C_3 R_3 R_5 + C_3 C_4 R_3 R_5\right) + s \left(-C_1 R_1 + C_2 R_5 - C_3 R_3 + C_3 R_5 + C_4 R_5\right) - 1}$

9.2647 X-INVALID-ORDER-2647 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1}{-C_6 + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_5 + C_1 C_3 C_4 C_6 R_1 R_3 R_5\right) + s^2 \left(C_1 C_2 C_6 R_1 R_5 - C_1 C_3 C_6 R_1 R_5 + C_1 C_4 C_6 R_1 R_5 + C_2 C_3 C_6 R_1 R_5 + C_2 C_3 C_6 R_3 R_5 + C_3 C_4 C_6 R_3 R_5\right) + s \left(-C_1 C_6 R_1 + C_2 C_6 R_5 - C_3 C_6 R_3 + C_3 C_6 R_5 + C_4 C_6 R_5\right)}$

9.2648 X-INVALID-ORDER-2648 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_6s + C_3R_1}{-C_6 + s^3\left(C_1C_2C_3C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5\right) + s^2\left(C_1C_2C_6R_1R_5 - C_1C_3C_6R_1R_3 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_3C_4C_6R_3R_5\right) + s\left(-C_1C_6R_1 + C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_4C_6R_5\right)}$

9.2649 X-INVALID-ORDER-2649 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3 R_1 R_6 s}{s^4 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_3 R_1 R_3 R_5 + C_1 C_2 C_6 R_1 R_5 R_6 + C_1 C_3 C_4 R_1 R_3 R_5 - C_1 C_3 C_6 R_1 R_5 R_6 + C_1 C_3 C_6 R_1 R_5 R_6 + C_2 C_3 C_6 R_1 R_5 R_6 + C_2 C_3 C_6 R_3 R_5 R_6 + C_3 C_4 C_6 R_3 R_5 R_6 + C_3 C_4 C_6 R_3 R_5 R_6 + C_3 C_4 C_6 R_3 R_5 R_6 + C_4 C_5 C_6 R_1 R_5 R_6 + C_4 C_6 R_1 R_5 R_6 + C_4 C_5 C_6 R_1 R_5 R_6 + C_4 C_6 R_1 R_5 R_6 + C_4 C_5 C_6 R_1 R_5 R_6 + C_4 C_6 R_1 R_5 R_6 + C_4 C_5 C_6 R_1 R_5 R_6 + C_4 C_6 R_1 R_5 R_6 + C_4 C_5 C_6 R_1 R_5 R_6 + C_4 C_5 C_6 R_1 R_5 R_6 + C_5 C_5 C_6$

9.2650 X-INVALID-ORDER-2650 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_3C_6R_1R_3R_6 + C_1C_3C_4C_6R_1R_3R_6 - C_1C_3C_5C_6R_1R_3R_6\right) + s^2\left(C_1C_2C_3R_1R_3 + C_1C_3C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_2C_3C_6R_1R_6 + C_2C$

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9.2651 X-INVALID-ORDER-2651 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
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 $H(s) = \frac{C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_3C_5R_1R_3R_5 + C_1C_3C_4C_5R_1R_3R_5\right) + s^2\left(C_1C_2C_3R_1R_3 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_1R_3 + C_1C_3C_5R_1R_5 + C_2C_3C_5R_1R_5 + C_2C_3C_5R_3R_5 + C_3C_4C_5R_3R_5\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_3C_5R_1R_3 + C_1C_3C_5R_1R_5 + C_2C_3C_5R_1R_5 + C_2C_3C_5R_3R_5 + C_3C_4C_5R_3R_5\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_3C_5R_1R_3 + C_1C_3C_5R_1R_3 + C_1C_3C_5R_1R_5 + C_2C_3C_5R_1R_5 + C_2C_3C_5R_3R_5 + C_3C_4C_5R_3R_5\right) + s\left(C_1C_2R_1 + C_1C_3R_1R_3 + C_1C_3C_5R_1R_3 + C$

9.2652 X-INVALID-ORDER-2652 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $\frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_3R_5 + C_1C_3C_4C_5C_6R_1R_3 + C_1C_2C_5C_6R_1R_3 + C_1C_3C_5C_6R_1R_3 + C_1C_3C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C_5C_6R_1R_5 + C_1C_5C$

9.2653 X-INVALID-ORDER-2653 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_6s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_3R_5 + C_1C_3C_4C_5R_1R_3 + C_1C_2C_5C_6R_1R_5 + C_1C_3C_5C_6R_1R_5 + C_1C_3C_5C_6R_1R_5 + C_2C_3C_5C_6R_1R_5 + C_2C_3C_5C_5C_6R_1R_5 + C_2C_5C_5C_5C_5C_5C_5C_$

9.2654 X-INVALID-ORDER-2654 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{C_2 + C_3 + C_4 - C_5 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_4 C_5 R_1 R_3 R_5 + C_1 C_2 C_3 C_5 R_1 R_3 R_6 + C_1 C_2 C_3 C_6 R_1 R_3 R_6 + C_1 C_2 C_3 C_6 R_1 R_3 R_6 + C_1 C_2 C_3 C_6 R_1 R_3 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_6 + C_1 C_3 C_5 C_6 R_1 R_5 R_6 + C_1 C_5 C_5 C$

9.2655 X-INVALID-ORDER-2655 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_5R_6s^2 + C_3R_1R_6s}{s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_3C_4R_1R_3R_5 - C_1C_3C_5R_1R_3R_5\right) + s^2\left(C_1C_2R_1R_5 - C_1C_3R_1R_3 + C_1C_3R_1R_5 + C_2C_3R_1R_5 + C_2C_3R_3R_5 + C_3C_4R_3R_5 - C_3C_5R_3R_5\right) + s\left(-C_1R_1 + C_2R_5 - C_3R_3 + C_3R_5 + C_4R_5 - C_5R_5\right) - 1}$

9.2656 X-INVALID-ORDER-2656 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_5s + C_3R_1}{-C_6 + s^3\left(C_1C_2C_3C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 - C_1C_3C_5C_6R_1R_3R_5 + C_1C_3C_6R_1R_3 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_3C_4C_6R_3R_5 - C_3C_5C_6R_3R_5 \right) + s\left(-C_1C_6R_1 + C_2C_6R_5 - C_3C_5C_6R_3R_5 + C_3C_5C_5C_6R_3R_5 + C_3C_5C_5C_6R_3R_5 + C_3C_5C_5C_6R_5 +$

9.2657 X-INVALID-ORDER-2657 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_5R_6s^2 + C_3R_1 + s\left(C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{-C_6 + s^3\left(C_1C_2C_3C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 - C_1C_3C_5C_6R_1R_3R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_3C_4C_6R_3R_5 - C_3C_5C_6R_3R_5\right) + s\left(-C_1C_6R_1 + C_2C_6R_5 - C_3C_5C_6R_3R_5 + C_3C_5C_5C_6R_3R_5 + C_3C_5C_5C_6R_3R_5 + C_3C_5C_5C_6R_3R_5 + C_3C_5C_5C_6R_3R_5 + C_3C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5$

9.2658 X-INVALID-ORDER-2658 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{s^4 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_5 R_6 - C_1 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_6 R_1 R_3 R_5 + C_1 C_2 C_6 R_1 R_3 R_5 - C_1 C_3 C_6 R_1 R_3 R_6 + C_1 C_3 C_6 R_1 R_5 R_6 + C_1 C_5 C$

9.2659 X-INVALID-ORDER-2659 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $C_3C_4R_1R_4R_6s^2 + C_3R_1R_6s$ $H(s) = \frac{C_3C_4R_1R_4R_6s^2 + C_3R_1R_6s}{C_1C_2C_3C_4R_1R_3R_4R_5s^4 + s^3\left(C_1C_2C_3R_1R_3R_5 + C_1C_2C_4R_1R_4R_5 - C_1C_3C_4R_1R_3R_4 + C_1C_3C_4R_1R_4R_5 + C_2C_3C_4R_1R_4R_5 + C_2C_3C_4R_1R_$

9.2660 X-INVALID-ORDER-2660 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{\frac{C_3C_4R_1R_4R_5 + C_2C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_4R_5 + C_1C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_$

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9.2661 X-INVALID-ORDER-2661 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
```

 $C_3C_4C_6R_1R_4R_6s^2 + C_3R_1 + s\left(C_3C_4R_1R_4 + C_3C_6R_1R_6\right)$

 $H(s) = \frac{C_3C_4C_6R_1R_4R_6s^2 + C_3R_1 + s\left(C_3C_4R_1R_4 + C_3C_6R_1R_6\right)}{C_1C_2C_3C_4C_6R_1R_3R_4 + C_5C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6$

9.2662 X-INVALID-ORDER-2662 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_3R_4R_5R_6s^5 + s^4\left(C_1C_2C_3C_4R_1R_3R_4R_5 + C_1C_2C_3C_6R_1R_3R_5R_6 + C_1C_3C_4C_6R_1R_3R_5R_6 + C_1C_3C_4C_6R_1R_3R_5R_6 + C_1C_3C_4C_6R_1R_4R_5R_6 + C_2C_3C_4C_6R_1R_4R_5R_6 + C_2C_3C_4C_6R_1R_4R_$

9.2663 X-INVALID-ORDER-2663 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_3C_4R_1R_3R_4 - C_1C_3C_4R_1R_3 + C_1C_2C_4R_1R_4 + C_1C_3C_4R_1R_4 + C_1C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_4R_3R_4 - C_3C_4C_5R_3R_4\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_4R_1$

9.2664 X-INVALID-ORDER-2664 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_1C_2C_3C_4C_6R_1R_3R_4 - C_1C_3C_4C_6R_1R_3 + C_1C_2C_4C_6R_1R_4 + C_1C_3C_4C_6R_1R_4 + C_1C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4 + C_2C_$

9.2665 X-INVALID-ORDER-2665 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_4R_6s^2 + C_3C_5R_1 + s\left(C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_1C_2C_3C_4C_6R_1R_3R_4 - C_1C_3C_4C_6R_1R_3 + C_1C_3C_4C_6R_1R_4 + C_1C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4$

9.2666 X-INVALID-ORDER-2666 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{C_2 + C_3 + C_4 - C_5 + s^4 \cdot (C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_6 - C_1 C_3 C_4 C_5 R_1 R_3 R_4 + C_1 C_2 C_3 C_6 R_1 R_3 R_6 + C_1 C_3 C_4 C$

9.2667 X-INVALID-ORDER-2667 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

9.2668 X-INVALID-ORDER-2668 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.2669 X-INVALID-ORDER-2669 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

9.2670 X-INVALID-ORDER-2670 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_3R_4R_5R_6s^5 + C_2 + C_3 + C_4 - C_5 + s^4(C_1C_2C_3C_4C_5R_1R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_3R_4R_6 + C_1C_2C_4C_5C_6R_1R_3R_4R_6 + C_1C_3C_4C_5C_6R_1R_3R_4R_6 + C_1C_3C_4C_5C_6R_1R_3R_4C_5C_6R_1R_3R_5C_5C_6R_1R_3C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5$

9.2671 X-INVALID-ORDER-2671 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_4R_5R_6s^\circ + C_3R_1R_6s + s^2}{s^4\left(C_1C_2C_3C_4R_1R_3R_4R_5 - C_1C_3C_4R_1R_3R_4 + C_1C_3C_4R_1R_3R_4 + C_1C_3C_4R_1R_3R_5 + C_1C_$

9.2672 X-INVALID-ORDER-2672 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{-C_6 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 - C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_5 + C_1 C_2 C_4 C_6 R_1 R_4 R_5 - C_1 C_3 C_4 C_6 R_1 R_3 R_5 + C_1 C_3 C_4 C_6 R_1 R_4 R_5 - C_1 C_3 C_5 C_6 R_1 R_3 R_5 - C_1 C_4 C_5 C_6 R_1 R_4 R_5 + C_2 C_3 C_4 C_6 R$

9.2673 X-INVALID-ORDER-2673 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_4R_5R_6s^3 + C_3C_4C_5C_6R_1R_3R_4R_5 - C_1C_3C_4C_6R_1R_3R_4R_5 - C_1C_3C_4C_6R_1R_3R_4 + C_1C_3C_4C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 - C_1C_4C_5C_6R_1R_4R_5 - C_1C_3C_4C_6R_1R_4R_5 - C_1C_3C$

9.2674 X-INVALID-ORDER-2674 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 - C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_4 R_5 R_6 - C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_5 - C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_5 - C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_6 + C_1 C_3 C_4 C_6 R_1 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_5 R_6 + C_1 C_3 C_6 R_1 R_5 R_6 + C_1 C_3 C_6 R_1 R_5 R_6 + C_1 C$

9.2675 X-INVALID-ORDER-2675 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

9.2676 X-INVALID-ORDER-2676 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1 R_4}{-C_6 R_4 + C_6 R_5 + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 + C_3 C_4 C_6 R_3 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 + C_3 C_4 C_6 R_3 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 + C_3 C_4 C_6 R_3 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 + C_3 C_4 C_6 R_3 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_3 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 + C_2 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_3 C_6 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left(-C_1 C_6 R_1 R_4 R_5 + C_1 C_5 R_1 R_4 R_5 \right) + s \left($

9.2677 X-INVALID-ORDER-2677 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_4R_6s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 + C_3C_4C_6R_3R_4R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 - C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 + C_3C_4C_6R_3R_4R_5 + C$

9.2678 X-INVALID-ORDER-2678 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $-R_4 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_4 R_5 R$

9.2679 X-INVALID-ORDER-2679 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_4R_6s^2}{s^3\left(C_1C_2C_3R_1R_3R_4 + C_1C_3C_4R_1R_3R_4 - C_1C_3C_5R_1R_3R_4\right) + s^2\left(C_1C_2R_1R_4 + C_1C_3R_1R_3 + C_1C_3R_1R_4 + C_1C_4R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3 + C_3R_4 + C_4R_4 - C_5R_4\right) + 1}{s^3\left(C_1C_2C_3R_1R_3R_4 + C_1C_3C_4R_1R_3R_4 - C_1C_3C_5R_1R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4 - C_3C_5R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4 + C_3C_4R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_4\right) + s\left(C_1R_1 + C_2R_4 + C_3R_4\right) + s\left(C_1R_1 + C_2R_4\right) + s\left(C_1R_1 +$

9.2680 X-INVALID-ORDER-2680 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

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9.2681 X-INVALID-ORDER-2681 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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9.2682 X-INVALID-ORDER-2682
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 - C_1 C_3 C_5 C_6 R_1 R_3 R_4 R_6 + C_1 C_2 C_6 R_1 R_4 R_6 + C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_4 R_6 +$

9.2683 X-INVALID-ORDER-2683
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$$

 $H(s) = \frac{C_3C_5R_1R_4R_5}{s^4\left(C_1C_2C_3C_5R_1R_3R_4R_5 + C_1C_3C_4C_5R_1R_3R_4 + C_1C_2C_5R_1R_4R_5 + C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_3R_4 + C_1C_3C_5R_1R_4R_5 + C_1C_3C_5R_1R_4R_5 + C_2C_3C_5R_1R_4R_5 + C_2C_3C_5R_1R_5R_5 + C_2C_3C_5R_1R_5R_5 + C_2C_3C_5R_1R_5R_5 + C_2C_3C_5$

9.2684 X-INVALID-ORDER-2684
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 + C_1 C_2 C_5 C_6 R_1 R_3 R_4 + C_1 C_3 C_5 C_6 R_1 R_4 R_5 + C_1 C_3 C_5 C_6 R_1 R_5 R_5 + C_1 C_5 C_6 R_1 R_5 R_5 + C$

9.2685 X-INVALID-ORDER-2685
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_4 + C_1 C_2 C_5 C_6 R_1 R_4 R_5 + C_1 C_3 C_5 C_6 R_1 R_3 R_4 + C_1 C_3 C_5 C_6 R_1 R_3 R_4 + C_1 C_3 C_5 C_6 R_1 R_4 R_5 + C_1 C_3 C_5 C_6 R_1 R_5 R_5 + C_1 C_3 C_5 C_6 R_1 R_5 R_5 + C_1 C_5 C_6 R_1 R_5 R_5 + C_1 C_5 C_6 R_1 R_5 R_5 + C_1 C_5 C_6 R_1 R_5 R$

9.2686 X-INVALID-ORDER-2686
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 + C_1 C_2 C_5 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_6 + C_1 C_3 C_5 C_6 R_1 R_5 R_6 + C_1 C_5 C_5 C_6 R_1 R_5 R_6 + C_1 C_5 C_5 C_6 R_1 R_5 R_6 + C_1 C_5 C_5 C_6$

9.2687 X-INVALID-ORDER-2687
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $H(s) = \frac{C_3C_5R_1R_4R_5R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_1C_2C_3R_1R_3R_4R_5 + C_1C_3C_4R_1R_3R_4R_5 - C_1C_3C_5R_1R_3R_4R_5 - C_1C_3R_1R_3R_4 + C_1C_3R_1R_3R_4 + C_1C_3R_1R_3R_5 + C_1C_3R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_3R_3R_4R_5 + C_3C_4R_3R_4R_5 - C_3C_5R_3R_4R_5 \right) + s\left(-C_3C_3R_1R_4R_5 + C_3C_3R_1R_4R_5 + C_3C_3R_3R_4R_5 + C_3C_3R_3$

9.2688 X-INVALID-ORDER-2688
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_5R_1R_4R_5s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R$

9.2689 X-INVALID-ORDER-2689
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_1R_4$

9.2690 X-INVALID-ORDER-2690
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{-R_4 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 - C_1 C_3 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 - C_1 C_3 C_6 R_1 R_5 - C_1 C_5 R_1 R_5 - C_$

9.2691 X-INVALID-ORDER-2691 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3R_1R_3R_4s + R_1R_4}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_5 + C_1C_6R_1R_4R_5 + C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$ **9.2692** X-INVALID-ORDER-2692 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_6R_1R_3R_4R_6s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_5 + C_1C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$ **9.2693** X-INVALID-ORDER-2693 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$ $C_3R_1R_3R_4R_6s + R_1R_4R_6$ $H(s) = \frac{C_3R_1R_3R_4R_6s + R_1R_4R_6}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3\left(C_1C_2C_6R_1R_3R_4R_5R_6 + C_2C_3C_6R_1R_3R_4R_5R_6 + C_2C_3C_6R_1R_3R_4R_5 + C_1C_3R_1R_3R_4R_5 + C_1C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_4R_5 + C_2C_6R_1R_3R_4R_5 + C_2C$ **9.2694** X-INVALID-ORDER-2694 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$ $\frac{C_{3}C_{5}R_{1}R_{3}R_{4}R_{6}s^{2}+C_{5}R_{1}R_{4}R_{6}s}{R_{3}+R_{4}+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{3}R_{4}+C_{1}C_{3}R_{1}R_{3}R_{4}+C_{1}C_{5}R_{1}R_{3}R_{4}+C_{1}C_{6}R_{1}$ **9.2695** X-INVALID-ORDER-2695 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$ **9.2696** X-INVALID-ORDER-2696 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$ $C_3C_5R_1R_3R_4s + C_5R_1R_4$ $\frac{C_{3}C_{5}R_{1}R_{3}R_{4}s+C_{5}R_{1}R_{4}}{C_{6}R_{3}+C_{6}R_{4}+s^{3}\left(C_{1}C_{2}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{5}+C$ **9.2697** X-INVALID-ORDER-2697 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$ $H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_3R_4R_5 + C_2C_3C_5C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_2C_5C_6R_1R_3R_4 + C_2C_5C_6R_1R_3R_4 + C_3C_5C_6R_1R_3R_4 + C_3C_5C_6R_1R_3R$ **9.2698** X-INVALID-ORDER-2698 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$ $\overline{R_{3} + R_{4} + s^{4} \left(C_{1} C_{2} C_{5} C_{6} R_{1} R_{3} R_{4} R_{5} R_{6} + C_{1} C_{3} C_{5} C_{6} R_{1} R_{3} R_{4} R_{5} R_{6} + C_{2} C_{3} C_{5} C_{6} R_{1} R_{3} R_{4} R_{5} + C_{1} C_{2} C_{6} R_{1} R_{3} R_{4} R_{5} + C_{1} C_{3} C_{6} R_{1} R_{3} R_{4} R_{5} + C_{1} C$ **9.2699** X-INVALID-ORDER-2699 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$ $H(s) = \frac{C_3C_5R_1R_3R_4R_5s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5\right)}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_2C_6R_3R_4R_5$ **9.2700** X-INVALID-ORDER-2700 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$ $\frac{C_3C_5C_6R_1R_3R_4R_5R_6s^3 + R_1R_4 + s^2\left(C_3C_5R_1R_3R_4R_5 + C_3C_6R_1R_3R_4R_6 + C_5C_6R_1R_4R_5R_6\right) + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5 + C_6R_1R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_2C_6R_1R_4R_5 + C_2C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_3C_6R_3R_4R_5 + C$

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9.2701 X-INVALID-ORDER-2701 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{C_3C_5R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_5R_6 + C_1C_5R_1R_3R_4R_5 + C_1C_5R_1R_3R_4R_5 + C_1C_5R_1R_3R_4R_5 + C_1C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C$

9.2702 X-INVALID-ORDER-2702 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3 R_1 R_3 s + R_1}{s^3 \left(C_1 C_2 C_6 R_1 R_3 R_5 + C_1 C_3 C_6 R_1 R_3 R_5 + C_1 C_4 C_6 R_1 R_3 R_5 + C_2 C_3 C_6 R_1 R_3 R_5 \right) + s^2 \left(-C_1 C_6 R_1 R_3 + C_1 C_6 R_1 R_5 + C_2 C_6 R_1 R_5 + C_2 C_6 R_3 R_5 + C_3 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 \right) + s \left(-C_6 R_3 + C_6 R_5 \right)}$

9.2703 X-INVALID-ORDER-2703 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_3R_6s^2 + R_1 + s\left(C_3R_1R_3 + C_6R_1R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$

9.2704 X-INVALID-ORDER-2704 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\frac{C_{3}R_{1}R_{3}R_{6}s + R_{1}R_{6}}{-R_{3} + R_{5} + s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{3}R_{5}R_{6} + C_{1}C_{3}C_{6}R_{1}R_{3}R_{5}R_{6} + C_{2}C_{3}C_{6}R_{1}R_{3}R_{5}R_{6} + C_{2}C_{3}C_{6}R_{1}R_{3}R_{5} + C_{1}C_{4}R_{1}R_{3}R_{5} + C_{1}C_{4}R_{1}R_{3}R_{5} + C_{1}C_{4}R_{1}R_{3}R_{5} + C_{1}C_{6}R_{1}R_{3}R_{5} + C_{2}C_{6}R_{1}R_{3}R_{5} + C_{2}C_{6}R_{1}$

9.2705 X-INVALID-ORDER-2705 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_6s^2 + C_5R_1R_6s}{s^3\left(C_1C_2C_6R_1R_3R_6 + C_1C_3C_6R_1R_3R_6 + C_1C_5C_6R_1R_3R_6 + C_2C_3C_6R_1R_3R_6 + C_2C_3C_6R_1R_3R_6 + C_2C_3R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_2C_6R_1R_6 + C_2C_6R_3R_6 + C_3C_6R_3R_6 + C_4C_6R_3R_6 + C_3C_6R_3R_6 + C_4C_6R_3R_6 + C_$

9.2706 X-INVALID-ORDER-2706 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $\frac{C_{3}C_{5}R_{1}R_{3}R_{6}s^{2}+C_{5}R_{1}R_{6}s}{s^{3}\left(C_{1}C_{2}C_{5}R_{1}R_{3}R_{5}+C_{1}C_{3}C_{5}R_{1}R_{3}R_{5}+C_{2}C_{3}C_{5}R_{1}R_{3}R_{5}+C_{2}C_{3}C_{5}R_{1}R_{3}R_{5}+C_{2}C_{3}C_{5}R_{1}R_{3}+C_{1}C_{4}R_{1}R_{3}+C_{1}C_{4}R_{1}R_{3}+C_{1}C_{5}R_{1}R_{5}+C_{2}C_{5}R_{1}R_{5}+C_{2}C_{5}R_{3}R_{5}+C_{3}C_{5}R_{3}R_{5}+C_{4}C_{5}R_{3}R_{5}+s\left(C_{1}R_{1}+C_{2}R_{1}+C_{2}R_{3}+C_{3}R_{3}+C_{4}C_{5}R_{1}R_{3}+C_{4$

9.2707 X-INVALID-ORDER-2707 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5R_1R_3s + C_5R_1}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_3R_5 + C_1C_3C_5C_6R_1R_3R_5 + C_2C_3C_5C_6R_1R_3R_5 + C_2C_3C_5C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_1C_5C_6R_1R_3 + C_1C_5C_6R_1R_3 + C_1C_5C_6R_1R_3 + C_2C_5C_6R_1R_3 +$

9.2708 X-INVALID-ORDER-2708 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_3R_6s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_5C_6R_1R_6\right)}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_3R_5 + C_1C_3C_5C_6R_1R_3R_5 + C_2C_3C_5C_6R_1R_3R_5 + C_2C_3C_5C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_2C_5C_6R_1R_3 + C_2C_5C_6R$

9.2709 X-INVALID-ORDER-2709 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_3 R_5 R_6 + C_2 C_3 C_5 C_6 R_1 R_3 R_5 R_6 + C_2 C_3 C_5 C_6 R_1 R_3 R_5 + C_1 C_2 C_6 R_1 R_3 R_5 + C_1 C_3 C_6 R_1 R_3 R_5 + C_1 C_4 C_5 R_1 R_5 R_5 + C_1 C_4 C_5 R_1 R_5 R_5 + C_1 C_4 C_5 R_1 R_5 R_5 + C_1 C_5 R_1 R_5 R_5$

9.2710 X-INVALID-ORDER-2710 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_5s^2 + R_1 + s\left(C_3R_1R_3 + C_5R_1R_5\right)}{s^3\left(C_1C_2C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_5C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_4C_6R_3R_5 - C_5C_6R_3R_5\right) + s\left(-C_6R_3 + C_6R_5\right)}$

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H(s) = \frac{C_3C_5C_6R_1R_3R_5R_6s^3 + R_1 + s^2\left(C_3C_5R_1R_3R_5 + C_3C_6R_1R_3R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_3R_1R_3 + C_5R_1R_5 + C_6R_1R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_5C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_6R_1R_5 + C_2C_6R_1R_5 + C_2C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5\right) + s\left(-C_6R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5\right) + s\left(-C_6R_3R_5 + C_3C_6R_1R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5\right) + s\left(-C_6R_3R_5 + C_3C_6R_3R_5 + C_3C
9.2712 X-INVALID-ORDER-2712 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_3R_5R_6s^2 + R_1R_6 + s\left(C_3R_1R_3R_5R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^3\left(C_1C_2C_6R_1R_3R_5R_6 + C_1C_3C_6R_1R_3R_5R_6 + C_1C_5C_6R_1R_3R_5R_6 + C_2C_3C_6R_1R_3R_5 + C_1C_3R_1R_3R_5 + C_1C_4R_1R_3R_5 - C_1C_5R_1R_3R_5 + C_1C_6R_1R_3R_5 + 
9.2713 X-INVALID-ORDER-2713 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_3C_4R_1R_3R_4R_6s^2 + R_1R_6 + s\left(C_3R_1R_3R_6 + C_4R_1R_4R_6\right)}{-R_3 + R_5 + s^3\left(C_1C_2C_4R_1R_3R_4R_5 + C_1C_3C_4R_1R_3R_4R_5 + C_2C_3C_4R_1R_3R_4R_5 + C_1C_4R_1R_3R_5 + C_1C_4R_1R_3R_5 + C_1C_4R_1R_3R_5 + C_1C_4R_1R_3R_5 + C_2C_4R_1R_4R_5 + C_2C_4R_3R_4R_5 + C_3C_4R_3R_4R_5 + C_3C_4
9.2714 X-INVALID-ORDER-2714 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)
                                                \frac{C_3C_4R_1R_3R_4s^2 + R_1 + s\left(C_3R_1R_3 + C_4R_1R_4\right)}{s^4\left(C_1C_2C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_3R_5 + C_2C_4C_6R_1R_3R_5 + C_2C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_5 + C_1C_4C_6R_1R_5 + C_1C_4C_
9.2715 X-INVALID-ORDER-2715 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_6R_1R_3R_4R_6s^3 + R_1 + s^2\left(C_3C_4R_1R_3R_4 + C_3C_6R_1R_3R_6 + C_4C_6R_1R_4R_6\right) + s\left(C_3R_1R_3 + C_4R_1R_4 + C_6R_1R_6\right)}{s^4\left(C_1C_2C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_4R_5 + C_2C_4C_6R_1R_4R_5 + C_2C_4C_6R_1R_4R_5
9.2716 X-INVALID-ORDER-2716 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{-R_3 + R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_3 R_4 R_5 + C_1 C_4 C_6 R_1 R_5 + C_1 C_4 C_6 R_1 R_5 + C_1 C_4 C_6 R_1 R_5
9.2717 X-INVALID-ORDER-2717 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_3C_4C_5R_1R_3R_4R_6s^3 + C_5R_1R_3R_6 + C_4C_5R_1R_3R_6 + C_4C_5R_1R_4R_6)}{s^3\left(C_1C_2C_4R_1R_3R_4 + C_1C_3C_4R_1R_3R_4 + C_2C_3C_4R_1R_3R_4 + C_2C_3C_4R_1R_3R_4 + C_2C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_4 + C_2C_4R_3R_4 + C_3C_4R_3R_4 + C_4C_5R_3R_4 + s\left(C_1R_1 + C_2R_1 + C_2R_3 + C_3R_3 + C_4R_3R_4 + C_4C_5R_3R_4 + C_
9.2718 X-INVALID-ORDER-2718 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5R_1R_3R_4s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_4C_5R_1R_4\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_3R_4 + C_1C_3C_4C_6R_1R_3R_4 + C_2C_3C_4C_6R_1R_3R_4 + C_2C_3C_4C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_2C_4C_6R_1R_3 + C_2C_4C_6R_1R_3 + C_2C_4C_6R_1R_3 + C_2C_4C_6R_1R_4 + C_2C_4C_6R_3R_4 + C_3C_4C_6R_3R_4 + C_3C_4C_6R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_3C_4C_5R_1R_3R_4s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_4C_5R_1R_4\right)
9.2719 X-INVALID-ORDER-2719 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_5C_6R_1R_3R_4R_6s^3 + C_5R_1 + s^2\left(C_3C_4C_5R_1R_3R_4 + C_3C_5C_6R_1R_3R_6 + C_4C_5C_6R_1R_3R_6 + C_4C_5C_6R_1R_3 + C_4C_5R_1R_3 + C_4C_5R_1R_4 + C_5C_6R_1R_6\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_2C_4C_6R_1R_3 + C_2C_4C_
9.2720 X-INVALID-ORDER-2720 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
                                                \overline{s^4 \left( C_1 C_2 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_6 + C_1 C_4 C_5 C_6 R_1 R_3 R_4 R_6 + C_2 C_3 C_4 C_6 R_1 R_3 R_4 + C_1 C_2 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_3 C_6 R_1 R_3 R_4 + C_1 C_4 C_6 R_1 R_3 R_4 + C_1 C
```

9.2711 X-INVALID-ORDER-2711 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

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9.2721 X-INVALID-ORDER-2721 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
```

 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_2 C_5 R_1 R_3 R_4 + C_1 C_2 C_5 R_1 R_3 R_4 + C_1 C_3 C_5 R_1 R_3 R_4 + C_1 C_4 C_5 R_1 R_4 R_5 + C_1 C_4 C_5 R_1 R_5 R_5 + C_1 C_4 C_5 R_1 R_5 + C_1 C_4 C_5 R_1 R_5 + C_1 C_4 C_5 R_1 R_5 + C_1 C_4 C_5$

9.2722 X-INVALID-ORDER-2722
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 C_6 R_1 R_3 R_4 + C_1 C_2 C_5 C_6 R_1 R_3 R_4 + C_1 C_3 C_5 C_6 R_1 R_3 R_4 + C_1 C_4 C_5 C_6 R_1 R_3 R_4 + C_1 C$

9.2723 X-INVALID-ORDER-2723
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_1 R_3 R_4 + C_1 C_2 C_5 C_6 R_1 R_3 R_4 + C_1 C_3 C_5 C_6 R_1 R_3 R_4 + C_1 C_3 C_5 C_6 R_1 R_3 R_4 + C_1 C_4 C_5 C_6 R_1$

9.2724 X-INVALID-ORDER-2724
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_2 C_5 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_3 R_4 R_5 \right) \\ + s^$

9.2725 X-INVALID-ORDER-2725
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $H(s) = \frac{C_3C_4C_5R_1R_3R_4R_5R_6s^3 + R_1R_6 + s^2\left(C_3C_4R_1R_3R_4R_6 + C_3C_5R_1R_3R_5R_6 + C_4C_5R_1R_4R_5R_6\right) + s\left(C_3R_1R_3R_6 + C_4R_1R_4R_6 + C_5R_1R_4R_5R_6\right) + s\left(C_3R_1R_3R_4R_5 + C_5R_1R_3R_4R_5 + C_5R_1R_3R_4R_5$

9.2726 X-INVALID-ORDER-2726
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_3C_4C_5R_1R_3R_4R_5s^3 + R_1 + s^2\left(C_3C_4R_1R_3R_4 + C_3C_5R_1R_3R_5 + C_4C_5R_1R_4R_5\right) + s^2\left(C_1C_2C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R$

9.2727 X-INVALID-ORDER-2727
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_3R_4R_5F_6s^4 + R_1 + s^3\left(C_3C_4C_5R_1R_3R_4R_5 + C_3C_4C_6R_1R_3R_4R_6 + C_3C_5C_6R_1R_3R_5R_6 + C_4C_5C_6R_1R_4R_5R_6\right) + s^2\left(C_3C_4R_1R_3R_4 + C_3C_5R_1R_3R_5 + C_3C_4C_6R_1R_3R_4R_5 + C_3C_4C_6R_1R_3R_4 + C_3C_4C_6R_1R_4R_5 + C_3C$

9.2728 X-INVALID-ORDER-2728
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{-R_3 + R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_3 R_4 R_5 + C_1 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_3 R_4 R_5 + C_1 C_$

9.2729 X-INVALID-ORDER-2729 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3R_1R_3R_4s + R_1R_4}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_2C_6R_3R_4R_5 + C_4C_6R_3R_4R_5 + C_4C_6R_3R_4 + C_6R_3R_4 + C_6R_3R_5 + C_6R_4R_5\right)}$

9.2730 X-INVALID-ORDER-2730
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_6R_1R_3R_4R_6s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_2C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C$

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9.2731 X-INVALID-ORDER-2731 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $C_3R_1R_3R_4R_6s + R_1R_4R_6$

 $H(s) = \frac{C_3R_1R_3R_4R_6s + R_1R_4R_6}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3\left(C_1C_2C_6R_1R_3R_4R_5R_6 + C_1C_3C_6R_1R_3R_4R_5R_6 + C_2C_3C_6R_1R_3R_4R_5 + C_1C_4R_1R_3R_4R_5 + C_1C_4R_1R_3R_4R_5 + C_1C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C_1C_6R_1R_5 + C$

9.2732 X-INVALID-ORDER-2732 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_{3}C_{5}R_{1}R_{3}R_{4}R_{6}s^{2}+C_{5}R_{1}R_{4}R_{6}s}{R_{3}+R_{4}+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{3}R_{4}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{3}R_{4}+C_{1}C_{3}R_{1}R_{3}R_{4}+C_{1}C_{4}R_{1}R_{3}R_{4}+C_{1}C_{5}R_{1}R_{3}R_{4}+C_{1}C_{6}R_{1}R_{3}R_{4}+C_{1}$

9.2733 X-INVALID-ORDER-2733 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s$

 $H(s) = \frac{C_3C_5R_1R_3R_4R_6s^2 + C_5R_1R_4R_6s}{R_3 + R_4 + s^3\left(C_1C_2C_5R_1R_3R_4R_5 + C_1C_3C_5R_1R_3R_4R_5 + C_2C_3C_5R_1R_3R_4R_5 + C_2C_3R_1R_3R_4 + C_1C_4R_1R_3R_4 + C_1C_5R_1R_3R_4 +$

9.2734 X-INVALID-ORDER-2734 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_3R_4s + C_5R_1R_4$

 $\frac{C_{3}C_{5}R_{1}R_{3}R_{4}s+C_{5}R_{1}R_{4}}{C_{6}R_{3}+C_{6}R_{4}+s^{3}\left(C_{1}C_{2}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{2}C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{1}R_{3}R_{4}+C_{1}C_{5}C_{6}R_{1}R_$

9.2735 X-INVALID-ORDER-2735 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_3R_4 + C_5C_6R_1R_3R$

9.2736 X-INVALID-ORDER-2736 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{R_{3} + R_{4} + s^{4} \left(C_{1} C_{2} C_{5} C_{6} R_{1} R_{3} R_{4} R_{5} R_{6} + C_{1} C_{3} C_{5} C_{6} R_{1} R_{3} R_{4} R_{5} R_{6} + C_{1} C_{4} C_{5} C_{6} R_{1} R_{3} R_{4} R_{5} R_{6} + C_{2} C_{3} C_{5} C_{6} R_{1} R_{3} R_{4} R_{5} R_{6} + C_{1} C_{3} C_{5} R_{1} R_{3} R_{4} R_{5} + C_{1} C_{3} C_{5} R_{1} R_{3} R_{4$

9.2737 X-INVALID-ORDER-2737 $Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, & \frac{1}{C_2 s}, & \frac{R_3}{C_3 R_3 s + 1}, & \frac{R_4}{C_4 R_4 s + 1}, & \frac{R_5}{C_5 R_5 s + 1}, & \frac{1}{C_6 s} \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_1R_3R_4R_5s^2 + R_1R_4 + s\left(C_3R_1R_3R_4 + C_5R_1R_4R_5\right)}{s^3\left(C_1C_2C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_5C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_4R_5 + C_2C_6R_3R_4R_5 + C_2C_6R_3R_4R$

9.2738 X-INVALID-ORDER-2738 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

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

9.2739 X-INVALID-ORDER-2739 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_3}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3\left(C_1C_2C_6R_1R_3R_4R_5R_6 + C_1C_3C_6R_1R_3R_4R_5R_6 + C_1C_5C_6R_1R_3R_4R_5R_6 + C_2C_3C_6R_1R_3R_4R_5R_6 + C_2C_3C_6R_1R_3R_4R_5 + C_1C_3R_1R_3R_4R_5 + C_1C_4R_1R_3R_4R_5 + C_1C_5R_1R_3R_4R_5 + C_1C_5R_1R_5R_5 + C_1C_5R_1R_5R_5 + C_1C_5R_1R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5 + C_1C_5R_5R_5 +$

9.2740 X-INVALID-ORDER-2740 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{1}{C_6 s}\right)$

 $C_2R_1R_2R_4s + R_1R_4$

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9.2741 X-INVALID-ORDER-2741 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_6R_1R_2R_4R_6s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_6R_1R_4R_6\right)}{s^3\left(-C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_5 + C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_1R_3R_4 + C_1C_6R_1R_3R_5 + C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_5 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_2R_3R_4 + C_2C_6R_2R_3R_5 + C_2C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4R_5 + C_4C_6R_1R_3R_4 + C_4C_6R_1R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_6R_3R_4R_5 + C_4C_6R_1R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_4R_3R_4R_5 + C_4C_6R_1R_3R_4 + C_4C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 + C_4C_6R_3R_4R_5\right) + s\left(-C_4R_3R_4R_5 + C_4C_6R_4R_3R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_5\right) + s\left(-C_4R_3R_4R_5 + C_4C_6R_4R_3R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_5\right) + s\left(-C_4R_3R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_5\right) + s\left(-C_4R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_5 + C_4C_6R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5 + C_4R_4R_5 + C_4R_4R_5 + C_4R_4R_5\right) + s\left(-C_4R_4R_4R_5 + C_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_4R_5\right) + s\left(-C_4R_4R_5\right) + s\left(-C_4
9.2742 X-INVALID-ORDER-2742 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3(-C_1C_2C_6R_1R_2R_3R_4R_6 + C_1C_2C_6R_1R_2R_3R_5R_6 + C_1C_2C_6R_1R_2R_4R_5R_6 + C_1C_2C_6R_1R_3R_4R_5R_6) + s^2(-C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_5 + C_1C_2R_1R_2R_4R_5 + C_1C_2R_1R_3R_4R_5 + C_1C_2R_1R_3R_5 + C_1C_2R_1R_3R_5 + C_1C_2R_1R_3R_5 + C_1C_2R_1R_3R_5 + C_1C_2R
9.2743 X-INVALID-ORDER-2743 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                       H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{-C_1C_2C_5R_1R_2R_3R_4s^3 + R_3 + R_4 + s^2\left(C_1C_2R_1R_2R_3 + C_1C_2R_1R_2R_4 + C_1C_5R_1R_3R_4 - C_1C_5R_1R_3R_4 - C_2C_5R_2R_3R_4\right) + s\left(C_1R_1R_3 + C_1R_1R_4 + C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 - C_5R_3R_4\right)}
9.2744 X-INVALID-ORDER-2744 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                             \frac{C_{2}C_{5}R_{1}R_{2}R_{4}s+C_{5}R_{1}R_{4}}{-C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}+C_{6}R_{4}+s^{2}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{2}C_{6}R_{1}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{1}R_{3}R_{4}-C_{1}C_{5}C_{6}R_{1}R_{3}R_{4}-C_{2}C_{5}C_{6}R_{2}R_{3}R_{4}\right)+s\left(C_{1}C_{6}R_{1}R_{3}+C_{1}C_{6}R_{1}R_{4}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{4}+C_{2}C_{6}R_{3}R_{4}-C_{5}C_{6}R_{3}R_{4}\right)+s\left(C_{1}C_{6}R_{1}R_{3}+C_{1}C_{6}R_{1}R_{4}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2}R_{3}+C_{2}C_{6}R_{2
9.2745 X-INVALID-ORDER-2745 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                   H(s) = \frac{C_2C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_5C_6R_1R_4R_6\right)}{-C_1C_2C_5C_6R_1R_2R_3 + C_6R_3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_4 + C_1C_5C_6R_1R_3R_4 - C_1C_5C_6R_1R_3R_4 - C_2C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_3 + C_2C_6R_3R_4 - C_5C_6R_3R_4\right)}{-C_1C_2C_5C_6R_1R_2R_3 + C_2C_6R_3R_4 + C_2C_6R_1R_3R_4 - C_2C_5C_6R_1R_3R_4 - C_2C_5C_6R_1R_3R_4 + C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_3R_4 - C_2C_6R_3R_4\right)}
9.2746 X-INVALID-ORDER-2746 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                        \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6}{-C_1C_2C_5C_6R_1R_2R_3R_4R_6s^4 + R_3 + R_4 + s^3\left(-C_1C_2C_5R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_6 + C_1C_2C_6R_1R_3R_4R_6 - C_1C_5C_6R_1R_3R_4R_6 - C_2C_5C_6R_2R_3R_4R_6\right) + s^2\left(C_1C_2R_1R_2R_3 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_3R_4 + C_1C_5R_1R_3R_4 + C_1C_5R
9.2747 X-INVALID-ORDER-2747 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s
H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{R_3 + R_4 + s^3\left(-C_1C_2C_5R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_3R_5 + C_1C_2C_5R_1R_2R_3R_5 + C_1C_2C_5R_1R_2R_4R_5 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_3R_4 + C_1C_5R_1R_3R_4 + C_1C_5R_1R
9.2748 X-INVALID-ORDER-2748 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C_2C_5R_1R_2R_4s + C_5R_1R_4
H(s) = \frac{C_2C_5R_1R_2R_4s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^3\left(-C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_5 + C_1C_2C_5C_6R_1R_3R_4 + C_1C_2C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_5 + C_1C_5C_6R_1R_3R_5 + C_1C_5C_6R_1R_3R_5 + C_1C_5C_6R_1R_3R_5 + C_1C_5C_6R_1R_3R_5 + C_1C_5C_6R_1R_5R_5 + C_1C_5C_6R_1R_5R_5 + C_1C_5C_6R_1R_5R_5 + C_1C_5C_6R_1R
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9.2749 X-INVALID-ORDER-2749 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_2C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_4 + s(C_2C_5R_1R_2R_4 + C_5C_6R_1R_2R_4 + C_5C_6R_1R_4 + C_5C_6R_1R_5 + C_5C_6R_5 + C_5C_5R_5 + C_5C_5R_$

 $H(s) = \frac{C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_4R_5 + C_1C_2C_5R_1R_2R_4 + C_1C_2C$

9.2750 X-INVALID-ORDER-2750 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\overline{R_{3} + R_{4} + s^{4} \left(-C_{1} C_{2} C_{5} C_{6} R_{1} R_{2} R_{3} R_{4} R_{6} + C_{1} C_{2} C_{5} C_{6} R_{1} R_{2} R_{3} R_{5} R_{6} + C_{1} C_{2} C_{5} C_{6} R_{1} R_{2} R_{3} R_{4} + C_{1} C_{2} C_{5} C_{6} R_{1} R_{2} R_{3} R_{5} + C_{1} C_{2} C_{5} R_{1} R_{2} R_{3} R_{5} + C$

9.2755 X-INVALID-ORDER-2755 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_2 R_1 R_2 R_6 s + R_1 R_6}{C_1 C_2 C_4 R_1 R_2 R_3 R_5 s^3 - R_3 + R_5 + s^2 \left(-C_1 C_2 R_1 R_2 R_3 + C_1 C_2 R_1 R_2 R_5 + C_1 C_2 R_1 R_3 R_5 + C_1 C_4 R_1 R_3 R_5 + C_2 C_4 R_2 R_3 R_5\right) + s \left(-C_1 R_1 R_3 + C_1 R_1 R_5 + C_2 R_1 R_5 - C_2 R_2 R_3 + C_2 R_2 R_5 + C_2 R_3 R_5 + C_4 R_3 R_5\right)}$

9.2756 X-INVALID-ORDER-2756 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2 R_1 R_2 s + R_1}{C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_5 s^4 + s^3 \left(-C_1 C_2 C_6 R_1 R_2 R_3 + C_1 C_2 C_6 R_1 R_2 R_5 + C_1 C_2 C_6 R_1 R_3 R_5 + C_1 C_4 C_6 R_1 R_3 R_5 + C_2 C_4 C_6 R_2 R_3 + C_2 C_6 R_1 R_5 + C_2 C_6 R_2 R_3 + C_2 C_6 R_2 R_3 + C_2 C_6 R_2 R_5 + C_2 C_6 R_3 R_5 + C_4 C_6 R_3 R_5 \right) + s \left(-C_6 R_3 R_5 + C_4 C_6 R_5 + C_5 C_6 R_5 + C_5 C_6 R_5$

9.2757 X-INVALID-ORDER-2757 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_6R_1R_2R_6s^2 + R_1 + s\left(C_2R_1R_2 + C_6R_1R_6\right)}{C_1C_2C_4C_6R_1R_2R_3 + s^3\left(-C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_5 + C_1C_4C_6R_1R_3R_5 + C_2C_4C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_6R_1R_5 + C_2C_6R_2R_3 + C_2C_6R_2R_3 + C_2C_6R_3R_5 + C_4C_6R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_6R_1R_3 + C_2C_6R_2R_3 + C_2C_6R_3R_5 + C_2C_6R_3R_5 + C_2C_6R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_2C_6R_1R_3 + C_2C_6R_3R_5 + C_2C_6R_3R_5 + C_2C_6R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_2C_6R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_2C_6R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_2C_6R_3R_5\right) + s^2\left(-C_1C_6R_3R_5\right) + s^2\left(-C_1C_6R_3R_5\right)$

9.2758 X-INVALID-ORDER-2758 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.2759 X-INVALID-ORDER-2759 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s}{s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_1R_3 + C_1C_4R_1R_3 - C_1C_5R_1R_3 + C_2C_4R_2R_3 - C_2C_5R_2R_3\right) + s\left(C_1R_1 + C_2R_1 + C_2R_2 + C_2R_3 + C_4R_3 - C_5R_3\right) + 1}$

9.2760 X-INVALID-ORDER-2760 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5R_1R_2s + C_5R_1}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_3 - C_1C_2C_5C_6R_1R_2R_3\right) + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_2C_4C_6R_2R_3 - C_2C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_2C_6R_1 + C_2C_6R_1 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$

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H(s) = \frac{C_2C_5C_6R_1R_2R_6s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_5C_6R_1R_6\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_3 - C_1C_2C_5C_6R_1R_2R_3\right) + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_2C_4C_6R_2R_3 - C_2C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_2C_6R_1 + C_2C_6R_2 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}
9.2762 X-INVALID-ORDER-2762 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s
H(s) = \frac{C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s}{s^4\left(C_1C_2C_4C_6R_1R_2R_3R_6 - C_1C_2C_5C_6R_1R_2R_3R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3 + C_1C_2C_6R_1R_3R_6 + C_1C_4C_6R_1R_3R_6 + C_1C_4C_6R_1R_3R_6 + C_2C_4C_6R_2R_3R_6\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_1R_2 + C_1C_2R_1R_3 + C_1C_4R_1R_3R_6\right)}
9.2763 X-INVALID-ORDER-2763 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_5R_1R_2R_6s^2 + C_5R_1R_6s}{C_1C_2C_4C_5R_1R_2R_3 + S^4 + s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_5 + C_1C_2C_5R_1R_3R_5 + C_1C_4C_5R_1R_3R_5 + C_1C_4C_5R_1R_3 + C_1C_4R_1R_3 - C_1C_5R_1R_3 + C_1C_5R_1R_3 + C_1C_5R_1R_5 + C_2C_5R_1R_3 + C_1C_5R_1R_5 + C_2C_5R_1R_3 + C_1C_5R_1R_3 + C_1C_
9.2764 X-INVALID-ORDER-2764 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_5R_1R_2s + C_5R_1}{C_1C_2C_4C_5C_6R_1R_2R_3R_5s^4 + C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_3 - C_1C_2C_5C_6R_1R_2R_3 + C_1C_2C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_3R_5 + C_1C_4C_5C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1C_5C_6R_1R_3 + C_1C_5C_6R_1R_
9.2765 X-INVALID-ORDER-2765 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_5C_6R_1R_2R_6s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_5C_6R_1R_2\right)}{C_1C_2C_4C_5C_6R_1R_2R_3 + C_4C_5C_6R_1R_2R_3 + C_4C_5C_6R_1R_3R_5 + C_4C_5C_6R_1R_3R_5 + C_4C_5C_6R_1R_3 + C_4C_5
9.2766 X-INVALID-ORDER-2766 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_1C_2C_4C_5C_6R_1R_2R_3R_5R_6s^5 + s^4\left(C_1C_2C_4C_5R_1R_2R_3R_5 + C_1C_2C_4C_6R_1R_2R_3R_6 + C_1C_2C_5C_6R_1R_2R_3R_6 + C_1C_2C_5C_6R_1R_3R_5R_6 + C_1C_4C_5C_6R_1R_3R_5R_6 + C_1C_4C_5C_6R_2R_3R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3 + C_1C_2C_5C_6R_1R_2R_3R_6 + C_1C_4C_5C_6R_1R_3R_5R_6 + C_2C_4C_5C_6R_2R_3R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3R_6 + C_1C_2C_5C_6R_1R_2R_3R_5 + C_1C_4C_5C_6R_1R_3R_5R_6 + C_1C_4C_5C_6R_1R_3R_5R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3 + C_1C_2C_5C_6R_1R_2R_3R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_6 - C_1C_2C_5C_6R_1R_2R_3R_6\right) + s^3\left(C_1C_4C_4R_1R_2R_3R_6\right) + s^3
9.2767 X-INVALID-ORDER-2767 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_2C_5R_1R_2R_5R_6s^2 + R_1R_6 + s\left(C_2R_1R_2R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^3\left(C_1C_2C_4R_1R_2R_3R_5 - C_1C_2C_5R_1R_2R_3R_5\right) + s^2\left(-C_1C_2R_1R_2R_3 + C_1C_2R_1R_2R_5 + C_1C_4R_1R_3R_5 - C_1C_5R_1R_3R_5 + C_2C_4R_2R_3R_5\right) + s\left(-C_1R_1R_3 + C_1R_1R_5 + C_2R_1R_5 + C_2R_2R_3 + C_2R_2R_5 + C_2R_3R_5\right) + s\left(-C_1R_1R_3 + C_1R_1R_5 + C_2R_1R_5 + C_2R_3R_5 + C_2R_3R_5\right) + s\left(-C_1R_1R_3 + C_1R_1R_5 + C_2R_1R_5 + C_2R_3R_5 + C_2R_3R_5\right) + s\left(-C_1R_1R_3 + C_1R_3R_5 + C_2R_3R_5\right) + s\left(-C_1R_1R_3R_5 + C_1R_3R_5\right) + s\left(-C_1R_1R_3R_5 + C_2R_3R_5\right) + s\left(-C_1R_1R_3R
9.2768 X-INVALID-ORDER-2768 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)
                                        \frac{C_{2}C_{5}R_{1}R_{2}R_{5}s^{2}+R_{1}+s\left(C_{2}R_{1}R_{2}+C_{5}R_{1}R_{5}\right)}{s^{4}\left(C_{1}C_{2}C_{4}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{2}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{2}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{2}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{2}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{2}C_{6}R_{1}R_{3}R_{5}+C_{1}C_{2}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{4}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{5}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_{2}C_{6}C_{6}R_{1}R_{3}R_{5}+C_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_2C_5R_1R_2R_5s^2 + R_1 + s\left(C_2R_1R_2 + C_5R_1R_5\right)
9.2769 X-INVALID-ORDER-2769 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_2C_5C_6R_1R_2R_5R_6s^3 + R_1 + s^2\left(C_2C_5R_1R_2R_5 + C_2C_6R_1R_2R_6 + C_5C_6R_1R_5R_6\right) + s\left(C_2R_1R_2 + C_5R_1R_5 + C_6R_1R_6\right)}{s^4\left(C_1C_2C_4C_6R_1R_2R_3 + C_5C_6R_1R_2R_3 + C_5C_6R_1R_2R_5 + C_5C_6R_1R_3R_5 + 
9.2770 X-INVALID-ORDER-2770 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
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9.2761 X-INVALID-ORDER-2761 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $-R_3 + R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_5 R_6 - C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_5 - C_1 C_2 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_5 - C_1 C_2 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_4$

9.2773 X-INVALID-ORDER-2773
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_2C_4C_6R_1R_2R_4R_6s^3 + R_1 + s^2\left(C_2C_4R_1R_2R_4 + C_2C_6R_1R_2R_6 + C_4C_6R_1R_4R_6\right) + C_4C_6R_1R_2R_3R_4 + C_4C_6R_1R_3R_4R_5 + C_4C_6R_1R_4R_5 + C_4C_6R_1R_4R_5$

9.2774 X-INVALID-ORDER-2774 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-R_3 + R_5 + s^4 \left(-C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_3 R_4 R_5 R_6 \right) + s^3 \left(-C_1 C_2 C_4 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 R_1 R_2$

9.2775 X-INVALID-ORDER-2775 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_4C_5R_1R_2R_4R_6s^3 + C_5R_1R_6s + s^2\left(C_2C_5R_1R_2R_6 + C_4C_5R_1R_4R_6\right)}{-C_1C_2C_4C_5R_1R_2R_3R_4s^4 + s^3\left(C_1C_2C_4R_1R_2R_3 + C_1C_2C_4R_1R_2R_4 + C_1C_2C_4R_1R_3R_4 - C_1C_5R_1R_3R_4 - C_2C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_1R_3 + C_1C_4R_1R_3 + C_1C_4R_1R_4 + C_2C_4R_1R_4 + C_2C_4R_2R_3 + C_2C_4R_3R_3 + C_2C_4R_$

9.2776 X-INVALID-ORDER-2776 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_4C_5R_1R_2R_4s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_4C_5R_1R_4\right)}{-C_1C_2C_4C_5C_6R_1R_2R_3R_4s^4 + C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_3 + C_1C_2C_4C_6R_1R_2R_3 + C_1C_2C_5C_6R_1R_3R_4 - C_1C_2C_5C_6R_1R_3R_4 - C_1C_2C_5C_6R_1R_3R_4 - C_1C_2C_6R_1R_3 + C_1C_4C_6R_1R_3 + C_1$

9.2777 X-INVALID-ORDER-2777 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_4C_5C_6R_1R_2R_4R_6s^3 + C_5R_1 + s^2\left(C_2C_4C_5R_1R_2R_4 + C_2C_5C_6R_1R_2R_6 + C_4C_5C_6R_1R_4R_6\right) + s\left(C_2C_5R_1R_2R_4 + C_4C_5C_6R_1R_2R_4 + C_4C_5C_6R_1R_3R_4 + C_4C_6R_1R_3R_4 + C_4C_5C_6R_1R_3R_4 + C_4C_5C_6R_1R_3R_4$

9.2778 X-INVALID-ORDER-2778 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-C_1C_2C_4C_5C_6R_1R_2R_3R_4R_6s^5 + s^4\left(-C_1C_2C_4C_5R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_3R_6 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_2C_5C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6 - C_2C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_4R_6 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6 - C_2C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_4R_6 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6 - C_2C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_4R_6 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6 - C_2C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_4R_6 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6 - C_2C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_4R_6 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6 - C_2C_4C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4R_6 - C_1C_4C_5C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_3R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_4 + C_1C_2C_4C_6R_1R_3R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_4 + C_1C_2C_4C_6R_1R_3R_4\right) + s^3\left(C_1C_2C_4R_1R_2R_4 + C_1C_2C_4C_6R_1R_4\right) + s^3\left(C_1C_2C_4R_1R_4R_4\right) + s^3\left(C_1C_2C_4R_1R_4R_4\right) + s^3\left(C_1C_2C_4R_1R_4R_4\right) + s^3\left(C_1C_2C_4R_1R_4R_4\right) + s^3\left(C_1C_2C_4R_1R_4R_4\right) + s^3\left(C_1C_2C_4R_1R_4R_4\right) + s^3\left(C_1C_2C_4R_1R_4\right) + s^3\left(C_1C_4C_4R_1R_4\right) + s^3\left(C_1C_4C_4R_1R_4\right) + s^3\left(C_1C_4C_4R_1$

9.2779 X-INVALID-ORDER-2779 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{1}{s^4 \left(-C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_1 R_3 R_4 R_5\right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 + C_1 C_2 C_4 R_1 R_3 R_4 - C_1 C_2 C_5 R_1 R_2 R_3 + C_1 C_2 C_5 R_1 R_2 R_5 + C_1 C_2 C_5 R_1 R_3 R_5 - C_1 C_4 C_5 R_1 R_3 R_4 + C_1 C_4 C_5 R_1 R_4 R_5 + C_1 C_4 C_5 R_1 R_4 R_5 + C_1 C_4 C_5 R_1 R_5 + C_1 C_5 R_1 R_5 +$

9.2780 X-INVALID-ORDER-2780 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{1}{C_6 + s^4 \left(-C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 C_6 R_1 R_3 R_4 R_5\right) + s^3 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_3 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 + C_1 C_2 C_5 C_6 R_1 R_2 R_3 +$

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9.2781 X-INVALID-ORDER-2781 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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 $H(s) = \frac{1}{C_6 + s^4 \left(-C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 C_6 R_1 R_3 R_4 R_5\right) \\ + s^3 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_3 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 + C_1 C_2 C_5 C_6 R_1 R_2 R_3$

9.2782 X-INVALID-ORDER-2782
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{s^5 \left(-C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_1 R$

9.2783 X-INVALID-ORDER-2783
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $H(s) = \frac{C_2C_4C_5R_1R_2R_4R_5R_6s^3 + R_1R_6 + s^2\left(C_2C_4R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_3R_5 + C_$

9.2784 X-INVALID-ORDER-2784
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{-C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5s^5 + s^4\left(-C_1C_2C_4C_6R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_3R_5 + C_1C_2C_4C_6R_1R_3R_4R_5 - C_1C_2C_5C_6R_1R_3R_4R_5 - C_1C_4C_5C_6R_1R_3R_4R_5 - C_1C_4C_5C_6R_1R_3R_5 - C_1C_4C_5C_6R_1R_3R_5 - C_1C_4C_5C_6R_1R_3R_5 - C_1C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_5C_6R_1R_5C_5C_5C_5$

9.2785 X-INVALID-ORDER-2785 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_4C_5C_6R_1R_2R_4R_5R_6s^4 + R_1 + s^3\left(C_2C_4C_5R_1R_2R_4R_5 + C_2C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_1R_2R_3R_4 + C_1C_2C_4C_6R_1R_2R_3R_4 + C_$

9.2786 X-INVALID-ORDER-2786
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

9.2787 X-INVALID-ORDER-2787 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_2R_1R_2R_4R_6s + R_1R_4R_6}{C_1C_2C_4R_1R_2R_3R_4R_5s^3 - R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(-C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_5 + C_1C_2R_1R_2R_4R_5 + C_1C_2R_1R_3R_4R_5 + C_1C_4R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_1R_4R_5 + C_2R_4R_3R_4R_5 + C_2R_4R_4R_5 + C_2R_4R_5 + C$

9.2788 X-INVALID-ORDER-2788 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2 R_1 R_2 R_4 s + R_1 R_4}{C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_5 s^4 + s^3 \left(-C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 + C_1 C_4 C_6 R_1 R_3 R_4 R_5 + C_2 C_4 C_6 R_1 R_3 R_4 R_5 + C_1 C_6 R_1 R_3 R_4 + C_1 C_6 R_1 R_4 R_5 + C_1$

9.2789 X-INVALID-ORDER-2789 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_6R_1R_2R_4R_6s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_6R_1R_4R_6\right)}{C_1C_2C_4C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_5 + C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_4R_5 + C_1C_4C_6R_1R_3R_4R_5 + C_1C_6R_1R_3R_4 + C_1$

9.2790 X-INVALID-ORDER-2790
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$$

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9.2791 X-INVALID-ORDER-2791 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_5R_1R_2R_4R_6s^2 + C_5R_1R_4R_6s}{R_3 + R_4 + s^3\left(C_1C_2C_4R_1R_2R_3R_4 - C_1C_2C_5R_1R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2R_3 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_3R_4 + C_1C_4R_1R_3R_4 - C_1C_5R_1R_3R_4 + C_2C_5R_2R_3R_4\right) + s\left(C_1R_1R_3 + C_1R_1R_4 + C_2R_1R_4 + C_2R_2R_3 + C_2R_2R_4 + C_2R_3R_4 +
9.2792 X-INVALID-ORDER-2792 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                               \frac{C_2C_5R_1R_2R_4s + C_5R_1R_4}{C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_4C_6R_1R_2R_3R_4 - C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_2C_4C_6R_2R_3R_4 - C_2C_5C_6R_2R_3R_4 \right) + s\left(C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_2C_4C_6R_2R_3R_4 + C_2C_4C_4R_3R_4 + C_2C_4C_4R_3R_4 + C_2C_4C_4R_3R_4 + C_2C_4C_4R_3R_4 + C_2C_4C_4R_3R_4 + C_2C_4C_4R_4R_4 + C_2C_4C_4R_4 + C_2C_4C_4R_4 + 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C_2C_5R_1R_2R_4s + C_5R_1R_4
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9.2793 X-INVALID-ORDER-2793 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_4C_6R_1R_2R_3R_4 - C_1C_2C_5C_6R_1R_2R_3R_4\right) + s^2\left(C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_4 + C_1C_4C_6R_1R_3R_4 + C_1C_4C_6R_1R_3R_4 + C_2C_4C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_4 + C_2C_6R_1R_4\right)}$

9.2794 X-INVALID-ORDER-2794 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_3 + R_4 + s^4 (C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_6 R_1 R_3 R_4 R_6 + C_1 C_2 C_6 R_1$

9.2795 X-INVALID-ORDER-2795 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2}{C_1C_2C_4C_5R_1R_2R_3R_4R_5s^4 + R_3 + R_4 + s^3\left(C_1C_2C_4R_1R_2R_3R_4 - C_1C_2C_5R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_3R_5 + C_1C_2C_5R_1R_3R_4R_5 + C_1C_4C_5R_1R_3R_4R_5 + C_1C_4C_5R_1R_3R_4 + C_1C_4C_5R_1R_5$

9.2796 X-INVALID-ORDER-2796 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $\overline{C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_4C_6R_1R_2R_3R_4 - C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_5 + C_1C_2C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_4C_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5$

9.2797 X-INVALID-ORDER-2797 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{1}{C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_4C_6R_1R_2R_3R_4 - C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_5 + C_1C_2C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_5R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_5C_$

9.2798 X-INVALID-ORDER-2798 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $\overline{C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_3 + R_4 + s^4\left(C_1C_2C_4C_5R_1R_2R_3R_4R_5 + C_1C_2C_5C_6R_1R_2R_3R_4R_6 + C_1C_2C_5C_6R_1R_2R_3R_4R_5R_6 + C_1C_2C_5C_6R_1R_3R_4R_5R_6 + C_1C_2C_5C_6R_1R_3R_4R_5R_5R_5 + C_1C_2C_5C_6R_1R_3R_5R_5R_5 + C_1C_2C_5C_6R_1R_5R_5R_5 + C_1C_2C_5C_6R_1R_5R_5R_5 + C_1C_2C_5C_6R_1R_5R_5R_5 + C_1C_2C_5C_6R_1R_5R_5R_5 + C_1C_2C_5C_6R_5R_5R_5R_5 + C_1C_2C_5C_6R_5R_5R_5 + C_1C_2C_5C_6R_5R_5R_5R_5 + C_1C_2C_5C_6R_5R_5R_5 + C_1C_2C_5C_6$

9.2799 X-INVALID-ORDER-2799 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $C_2C_5R_1R_2R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_5R_1R_4R_5R_6\right)$ $H(s) = \frac{C_2C_5R_1R_2R_4R_5R_6s + R_1R_4R_6 + s(C_2R_1R_2R_4R_6 + C_5R_1R_4R_5R_6)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3(C_1C_2C_4R_1R_2R_3R_4R_5 - C_1C_2S_1R_2R_3R_4R_5) + s^2(-C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_5 + C_1C_2R_1R_2R_4R_5 + C_1C_4R_1R_3R_4R_5 - C_1C_5R_1R_3R_4R_5 + C_2C_4R_2R_3R_4R_5) + s(-C_1R_1R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_3R_4R_5 + C_1C$

9.2800 X-INVALID-ORDER-2800 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $C_2C_5R_1R_2R_4R_5s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_5R_1R_4R_5\right)$

 $\frac{c_2c_5n_1n_2n_4n_5s + n_1n_4 + s(c_2n_1n_2n_4 + c_5n_1n_4n_5)}{s^4(C_1C_2C_4C_6R_1R_2R_3R_4R_5 - C_1C_2C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_3R_4R_5 + C_1C_2C_6R_1R_3R$

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9.2801 X-INVALID-ORDER-2801 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_{2}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}R_{6}s^{3} + R_{1}R_{4} + s^{2}\left(C_{2}C_{5}R_{1}R_{2}R_{4}R_{5} + C_{2}C_{6}R_{1}R_{2}R_{4}R_{6} + C_{5}C_{6}R_{1}R_{4}R_{5}R_{6}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}C_{6}R_{1}R_{2}R_{4}R_{6} + C_{5}C_{6}R_{1}R_{4}R_{5}R_{6}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}C_{6}R_{1}R_{2}R_{4}R_{6} + C_{5}C_{6}R_{1}R_{4}R_{5}R_{6}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}C_{6}R_{1}R_{2}R_{4}R_{5} + C_{5}C_{6}R_{1}R_{4}R_{5}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{4}R_{5}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{4}R_{5}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{4}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{5} + C_{2}R_{1}R_{2}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{5} + C_{2}R_{1}R_{2}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{5} + C_{2}R_{1}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{5} + C_{2}R_{1}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{5} + C_{2}R_{1}R_{5}\right) + s\left(C_{2}R_{1}R_{2}R_{5} + C_{2}R_{1}R_{5}\right) + s\left(C_{2}R_{1}R_{2
H(s) = \frac{C_2C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_4 + s^2\left(C_2C_5R_1R_2R_4R_5 + C_2C_6R_1R_2R_4R_6 + C_5C_6R_1R_4R_5R_6\right) + s\left(C_2R_3R_4R_5 + C_3R_4R_5 + 
9.2802 X-INVALID-ORDER-2802 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{-R_3R_4 + R_3R_5 + R_4R_5 + s^4(C_1C_2C_4C_6R_1R_2R_3R_4R_5R_6 - C_1C_2C_5C_6R_1R_2R_3R_4R_5 - C_1C_2C_5R_1R_2R_3R_4R_5 - C_1C_2C_6R_1R_2R_3R_4R_6 + C_1C_2C_6R_1R_2R_3R_4R_5 - C_1C_2C_6R_1R_2R_3R_4R_
9.2803 X-INVALID-ORDER-2803 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)
                                                                                            H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{C_1C_2C_3R_1R_2R_4R_5s^3 - R_4 + R_5 + s^2\left(-C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_5 + C_1C_2R_1R_4R_5 + C_1C_3R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 - C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5 + C_3R_4R_5\right)}
9.2804 X-INVALID-ORDER-2804 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
 H(s) = \frac{C_2C_3R_1R_2R_4s + C_3R_1R_4}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 - C_6R_4 + C_6R_5 + s^2\left(-C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_5 + C_1C_2C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 - C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_2C_6R_4R
9.2805 X-INVALID-ORDER-2805 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
 H(s) = \frac{C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_4R_5s^3 - C_6R_4 + C_6R_5 + s^2\left(-C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_4R_5 + C_2C_3C_5R_4R_5 + C_2C_3C_5R_4R_5 + C_2C_3C_5R_4R_5 + C_2C_3C_5R_4R_5 + C_2C_3C_5R_4R_5 + C_2C_3
9.2806 X-INVALID-ORDER-2806 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3R_1R_2R_4R_5s^4 - R_4 + R_5 + s^3(C_1C_2C_3R_1R_2R_4R_5 - C_1C_2C_6R_1R_2R_4R_6 + C_1C_2C_6R_1R_4R_5R_6 + C_1C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_2R_4R_5R_6 + S^2(-C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_4R_5R_6 + C_1C_2C_6R_1R_4R_5R_6 + C_1C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_1R_4R_5R_6 + C_2C_3C_6R_1R_4R_5R_5 + C_2C_3C_6R_1R_5R_5 + C_2C_3C_6R_1R_5R_5 + C_2C_3C_6R_1R_5R_5 + C_2C_3C_6R_1R_5R_5 + C_2C_3C_6R_1R_5R_5 + C_2C
9.2807 X-INVALID-ORDER-2807 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                        H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_1C_2C_3R_1R_2R_4 - C_1C_2C_5R_1R_2R_4\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_1R_4 + C_1C_3R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_1R_4 + C_2C_3R_2R_4 - C_2C_5R_2R_4\right) + s\left(C_1R_1 + C_2R_2 + C_2R_4 + C_3R_4 - C_5R_4\right) + 1}
9.2808 X-INVALID-ORDER-2808 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                 H(s) = \frac{C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s + C_3C_5R_1R_4s}{C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_4 - C_1C_2C_5C_6R_1R_2R_4\right) + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + c_2C_5C_6R_2R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}
9.2809 X-INVALID-ORDER-2809 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                 H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_4 - C_1C_2C_5C_6R_1R_2R_4\right) + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + C_2C_5C_6R_2R_4\right) + s\left(C_1C_6R_1 + C_2C_6R_2 + C_2C_6R_4 + C_3C_6R_4 - C_5C_6R_4\right)}
9.2810 X-INVALID-ORDER-2810 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $\frac{C_{2}C_{3}C_{5}R_{1}R_{2}R_{4}R_{6}}{s^{4}\left(C_{1}C_{2}C_{3}C_{6}R_{1}R_{2}R_{4}R_{6}-C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{4}R_{6}\right)+s^{3}\left(C_{1}C_{2}C_{3}R_{1}R_{2}R_{4}-C_{1}C_{2}C_{5}R_{1}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{2}R_{4}R_{6}\right)+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}+C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{2}R_{4}R_{6}\right)+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{4}+C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}+C_{1}C_{2}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{4}R_{6}+C_{2}C_{$

 $C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2$

9.2814 X-INVALID-ORDER-2814 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

9.2815 X-INVALID-ORDER-2815 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-R_4 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_4R_5 - C_1C_2S_1R_2R_4R_5\right) + s^2\left(-C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_4R_5 + C_1C_3R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 - C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5\right)}$

9.2816 X-INVALID-ORDER-2816 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5\right)}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 - C_1C_2C_5C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_5 + C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 - C_2C_5C_6R_2R_4R_5\right) + s\left(-C_1C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_3C_3R_4R_5 + C_2C_3C_3C_3R_3R_4 + C_2C_3C_3C_3R_3R_4 + C_2C_3C_3R_3R_4 + C_2C_3C_3C_3R_3R_4 + C_2C_3C_3C_3R_3R_4 + C_2C_3C_3C_3$

9.2817 X-INVALID-ORDER-2817 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_6R_1R_4R_5R_6\right) + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 - C_1C_2C_5C_6R_1R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3$

9.2818 X-INVALID-ORDER-2818 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{-R_4 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_5 R_6 - C_1 C_2 C_5 C_6 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_5 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_5 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_2 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_5 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_5 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 - C_1 C_2 C_6 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_$

9.2819 X-INVALID-ORDER-2819 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s}{s^3\left(C_1C_2C_3R_1R_2R_5 + C_1C_2C_4R_1R_2R_5\right) + s^2\left(-C_1C_2R_1R_2 + C_1C_2R_1R_5 + C_1C_4R_1R_5 + C_2C_3R_1R_5 + C_2C_3R_2R_5 + C_2C_4R_2R_5\right) + s\left(-C_1R_1 - C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5\right) - 1}$

9.2820 X-INVALID-ORDER-2820 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

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9.2821 X-INVALID-ORDER-2821 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                        H(s) = \frac{C_2C_3C_6R_1R_2R_6s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_6R_1R_6\right)}{-C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_2R_5\right) + s^2\left(-C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_4C_6R_2R_5\right) + s\left(-C_1C_6R_1 - C_2C_6R_2 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5\right)}
9.2822 X-INVALID-ORDER-2822 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s
H(s) = \frac{C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s}{s^4\left(C_1C_2C_3C_6R_1R_2R_5R_6 + C_1C_2C_4C_6R_1R_2R_5 + C_1C_2C_4R_1R_2R_5 - C_1C_2C_6R_1R_2R_6 + C_1C_2C_6R_1R_5R_6 + C_1C_3C_6R_1R_5R_6 + C_1C_3C_6R_1R_5R_6 + C_2C_3C_6R_1R_5R_6 + C_2C_3C_6R_1R_5R_5 + C_2C_3C_5R_5R_5R_5 + C_2C_3C_5R_5R_5R_5 + C_2C_3C_5R_5R_5R_5 + C_2C_3C_5R_5R_5R_5 + C_2C_3C_5R_5R_5R_5 + C_2C_3C_5R_5R_
9.2823 X-INVALID-ORDER-2823 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_6 + C_1C_2C_5C_6R_1R_2R_6 + s^2\left(C_1C_2C_3R_1R_2 + C_1C_2C_5R_1R_2 + C_1C_2C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_1C_3C_6R_1R_6 + C_2C_3C_6R_1R_6 + C_2
9.2824 X-INVALID-ORDER-2824 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 + C_5 + s^3\left(C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_4C_5R_1R_2 + C_1C_2C_4R_1R_2 - C_1C_2C_5R_1R_5 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_1R_5 + C_2C_3C_5R_2R_5 + C_2C_4C_5R_2R_5\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_4R_1R_5 + C_1C_3C_5R_1R_5 + C_1C_3C_5R_1R_5 + C_2C_3C_5R_1R_5 + C_2C_3C_5R_2R_5 + C_2C_4C_5R_2R_5\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_4R_1 + C_1C_4R
9.2825 X-INVALID-ORDER-2825 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_2C_3C_5R_1R_2s + C_3C_5R_1
H(s) = \frac{C_2C_3C_5R_1R_2s + C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_2 + C_1C_2C_4C_5R_1R_2 + C_1C_2C_5C_6R_1R_2 + C_1C_2C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_5 + C_2C_3C_5C_6R_1R_5 + C_2C_3C_
9.2826 X-INVALID-ORDER-2826 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^3\left(C_1C_2C_3C_5C_6R_1R_2 + C_1C_2C_4C_6R_1R_2 + C_1C_2C_5C_6R_1R_2 + C_1C_2C_5C_6R_1R_5 + C_1C_4C_5C_6R_1R_5 + C_2C_3C_5C_6R_1R_5 + C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C_2C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1 + s(C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6)
9.2827 X-INVALID-ORDER-2827 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{1}{C_2 + C_3 + C_4 - C_5 + s^4 \left( C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_3 C_5 R_1 R_2 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_4 C_5 R_1 R_2 R_6 + C_1 C_2 C_4 C_5 R_1 R_2 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R_6 + C_1 C
9.2828 X-INVALID-ORDER-2828 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
     H(s) = \frac{C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_5R_1R_5R_6\right)}{s^3\left(C_1C_2C_3R_1R_2R_5 + C_1C_2C_4R_1R_2R_5 - C_1C_2C_5R_1R_2R_5\right) + s^2\left(-C_1C_2R_1R_2 + C_1C_2R_1R_5 + C_1C_4R_1R_5 + C_1C_4R_1R_5 + C_2C_3R_1R_5 + C_2C_4R_2R_5 - C_2C_5R_2R_5\right) + s\left(-C_1R_1 - C_2R_2 + C_2R_5 + C_3R_5 + C_4R_5 - C_5R_5\right) - 1}
9.2829 X-INVALID-ORDER-2829 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
H(s) = \frac{C_2C_3C_5R_1R_2R_5s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_5R_1R_5\right)}{-C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_2R_5\right) + s^2\left(-C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_1 - C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_1 - C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_1 - C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5\right) + s\left(-C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5\right) + s\left(-C_1C_3C_6R_1R_5\right) + s\left(-C_1C
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 $\frac{C_2C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_1 + s^2\left(C_2C_3C_5R_1R_2R_5 + C_2C_3C_6R_1R_2R_6 + C_3C_5C_6R_1R_5R_6\right) + s\left(C_2C_3R_1R_2 + C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{-C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_6C_6R_1R_2R_5 + C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_1 - C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_1 - C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5\right) + s\left(-C_1C_6R_1 - C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_3C_6R_2R_5$

595

9.2830 X-INVALID-ORDER-2830 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

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9.2831 X-INVALID-ORDER-2831 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_5 R_6 - C_1 C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_4 R_1 R_2 R_5 - C_1 C_2 C_5 R_1 R_2 R_5 - C_1 C_2 C_6 R_1 R_2 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 +$

9.2832 X-INVALID-ORDER-2832 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3C_4R_1R_2R_4R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_6 + C_3C_4R_1R_4R_6\right)}{C_1C_2C_3C_4R_1R_2R_4R_5s^4 + s^3\left(C_1C_2C_3R_1R_2R_5 - C_1C_2C_4R_1R_2R_5 + C_1C_2C_4R_1R_4R_5 + C_2C_3C_4R_1R_4R_5 + C_2C_3C$

9.2833 X-INVALID-ORDER-2833 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $C_2C_3C_4R_1R_2R_4s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_4R_1R_4\right)$ $H(s) = \frac{C_2C_3C_4R_1R_2R_4s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_4R_1R_4\right)}{C_1C_2C_3C_4C_6R_1R_2R_4S^4 - C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 - C_1C_2C_4C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_2 + C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R$

9.2834 X-INVALID-ORDER-2834 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_6R_1R_2R_4R_6s^3 + C_3R_1 + s^2\left(C_2C_3C_4R_1R_2R_4 + C_2C_3C_6R_1R_2R_6 + C_3C_4C_6R_1R_4R_6\right) + s\left(C_2C_3C_4C_6R_1R_2R_4R_5s^4 - C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_5 - C_1C_2C_4C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_2R_5 + C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_4C_4R_4R_5 + C_2C_3C_4C_4R_4R_5 + C_2C_3C_4C_4R_4R_5 + C_2C_3C_4C_4R_4R_5 + C_2C_3C_4C_4R_4R_5 + C$

9.2835 X-INVALID-ORDER-2835 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_4R_5R_6s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_2R_5R_6 - C_1C_2C_4C_6R_1R_2R_5R_6 + C_1C_2C_4C_6R_1R_4R_5R_6 + C_1C_3C_4C_6R_1R_4R_5R_6 + C_2C_3C_4C_6R_1R_4R_5R_6 + C_2C_3C_4C_6R_1R_5R_5R_6 + C_2C_3C_4C_6R_1R_5R_5R_5 + C_2C_3C_4C_6R_1R_5R_$

9.2836 X-INVALID-ORDER-2836 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_6s + s^2(C_2C_3C_5R_1R_2R_6 + C_3C_4C_5R_1R_4R_6)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6 + S_2\left(C_2C_3C_5R_1R_2R_6 + C_3C_4C_5R_1R_4R_6\right)}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_3C_4R_1R_2R_4 - C_1C_2C_4C_5R_1R_2 + C_1C_2C_4R_1R_4 + C_1C_2C_5R_1R_2 + C_1C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_4R_2R_4 - C_2C_4C_5R_2R_4\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1R_4 - C_1C_4C_5R_1R_4 + C_2C_3C_4R_1R_4 + C_2C_3C_4C_5R_1R_4 + C_2C_3C_4C_5R_1R_4 + C_2C_3C_4C_5R_1R_4 + C_2C_3C_4C_5R_1R_4 + C_2C_3C_4$

9.2837 X-INVALID-ORDER-2837 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $C_2C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4\right)$ $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4\right) + c\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4\right) + c\left(C_2C_3C_4C_5R_1R_2 + C_3C_4C_5R_1R_4 +$

9.2838 X-INVALID-ORDER-2838 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1 + s^2\left(C_2C_3C_4C_5R_1R_2R_4 + C_2C_3C_5C_6R_1R_2R_6 + C_3C_4C_5C_6R_1R_4R_6\right) + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5C_6R_1R_4 +$

9.2839 X-INVALID-ORDER-2839 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_2 + C_3 + C_4 - C_5 + s^4 + C_1 + C_2 + C_3 + C_4 + C_1 + C_2 + C_4 + C_4$

9.2840 X-INVALID-ORDER-2840 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

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9.2841 X-INVALID-ORDER-2841 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
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9.2842 X-INVALID-ORDER-2842
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

9.2843 X-INVALID-ORDER-2843
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_4R_5R_6s^5 + C_2 + C_3 + C_4 - C_5 + s^4\left(C_1C_2C_3C_4C_5R_1R_2R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_4R_6 + C_1C_2C_4C_5C_6R_1R_2R_4R_6 + C_1C_2C_4C_5C_6R_1R_4R_5R_6 + C_1C_4C_4C_5C_6R_1R_4R_5R_6 + C_1C_4C_4C_5C_6R_1R_4R_5R_6 + C_1C_4C_5C_6R_1R_4R_5R_5C_6R_1R_4R_5R_5C_6R_1R_5C_6R_5R_5C_6R_1R_5C_6R_5R_5C_6R_$

9.2844 X-INVALID-ORDER-2844
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_5R_6s^4 + C_3R_1R_6s + s^3\left(C_2C_3C_4R_1R_2R_4R_6 + C_2C_3C_5R_1R_2R_5\right)}{s^4\left(C_1C_2C_3C_4R_1R_2R_4R_5 - C_1C_2C_4R_1R_2R_5 + C_1C_2C_4R_1R_2R$

9.2845 X-INVALID-ORDER-2845
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4R_5s^3 + C_2C_3C_4C_6R_1R_2R_4R_5 - C_1C_2C_4C_5C_6R_1R_2R_4R_5 - C_1C_2C_4C_6R_1R_2R_4 + C_1C_2C_4C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_4R_5 - C_1C_4C_5C_6R_1R_4R_5 - C_1C_4C_5C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 - C_1C_4C_5C_6R_1R_4R_5 - C_1C_4C_5C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 - C_1C_4C_5C_6R_1R_4R_5 - C_1C$

9.2846 X-INVALID-ORDER-2846 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_4R_5R_6s^4 + C_3R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_2R_4R_6 + C_2C_3C_5C_6R_1R_2R_5R_6s^4 + C_3R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_2R_4R_6 + C_2C_3C_5C_6R_1R_2R_5R_6s^4 + C_3R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_4R_5 + C$

9.2847 X-INVALID-ORDER-2847 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 - C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_5 R_6 - C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_2 C_4 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_5$

9.2848 X-INVALID-ORDER-2848 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_2C_4R_1R_2R_4R_5\right) + s^2\left(-C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_5 + C_1C_2R_1R_4R_5 + C_1C_4R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_4R_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 - C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 - C_2R_2R_4 + C_2R_2R_5 + C_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 - C_2R_2R_4 + C_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 - C_2R_2R_4 + C_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_1R_5 - C_2R_4R_5\right) + s\left(-C_1R_1R_4 + C_1R_4R_5 + C_1C_4R_4R_5\right) + s\left(-C_1R_4R_4R_5 + C_1C_4R_4R_5\right) + s\left(-C_1R_4R_4R_5\right) +$

9.2849 X-INVALID-ORDER-2849 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_4s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_4C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5$

9.2850 X-INVALID-ORDER-2850 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s\left(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_4C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_1$

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9.2851 X-INVALID-ORDER-2851 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)
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 $H(s) = \frac{-R_4 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_4 R_5 + C_1 C_2 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_4 R_5 R_6 + C_1 C_3$

9.2852 X-INVALID-ORDER-2852
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2}{s^3\left(C_1C_2C_3R_1R_2R_4 + C_1C_2C_4R_1R_2R_4 - C_1C_2C_5R_1R_2R_4\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_1R_4 + C_1C_4R_1R_4 - C_1C_5R_1R_4 + C_2C_3R_2R_4 + C_2C_4R_2R_4 - C_2C_5R_2R_4\right) + s\left(C_1R_1 + C_2R_2 + C_2R_4 + C_3R_4 + C_4R_4 - C_5R_4\right) + 1}$

9.2853 X-INVALID-ORDER-2853
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

9.2854 X-INVALID-ORDER-2854
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2\left(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6\right)}{C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_4 + C_1C_2C_4C_6R_1R_2R_4 + c_1C_2C_5C_6R_1R_2R_4 + C_1C_2C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_1R_4 + C_2C_3C_6R_1R_4 + C_2C_3C_6R_2R_4 + C_2C$

9.2855 X-INVALID-ORDER-2855
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

9.2856 X-INVALID-ORDER-2856
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$$

 $\frac{C_2C_3C_5R_1R_2}{s^4\left(C_1C_2C_3C_5R_1R_2R_4R_5+C_1C_2C_4C_5R_1R_2R_4+C_1C_2C_4R_1R_2R_4+C_1C_2C_5R_1R_2R_4+C_1C_2C_5R_1R_2R_5+C_1C_2C_5R_1R_4R_5+C_1C_3C_5R_1R_4R_5+C_2C_3C_5R_3R_4R_5+C_2C_3C_5R_3R_4R_5+C_2C_3C_5R_3R_4R_5+C_2C_3C_5R_3R_4R_5+C_2C_3C_5R_3R_4R_5+C_2C_3C_5R_5R_5R_5+C_2C_3C_5R_5R_5+C_2C_3C_5R_5R_5+C_2$

9.2857 X-INVALID-ORDER-2857
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_4 R_5 + C_1 C_3 C_5 C_6 R_1 R_4 R_5 + C_1 C_3 C_5 C_6 R_1 R_4 R_5 + C_1 C_2 C_5 C_6 R_1 R_4 R_5$

9.2858 X-INVALID-ORDER-2858
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_5 + C_1 C_2 C_5 C_6 R_1 R_4 R_5 + C_1 C_3 C_5 C_6 R_1 R_5 R_5 + C_1 C_3 C_5 C_6 R_1 R_5 R_5 + C_1 C_5 C$

9.2859 X-INVALID-ORDER-2859
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_4 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 R_6 + C_1 C_2$

9.2860 X-INVALID-ORDER-2860
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$$

 $\frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_4R_6s + s^2\left(C_2C_3R_1R_2R_4R_6 + C_3C_5R_1R_4R_5R_6\right)}{-R_4 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_2C_4R_1R_2R_4R_5 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_5 + C_1C_2R_1R_4R_5 + C_1C_3R_1R_4R_5 + C_1C_3R_1R_4R_5 + C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_3R_2R$

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H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5\right)}{-C_6R_4 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_4C_6R_1R_2R_4R_5\right) + s^2\left(-C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C
9.2862 X-INVALID-ORDER-2862 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_2C_3C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_4R_5R_6\right) + s\left(C_2C_3R_1R_2R_4 + C_3C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_2R_4R_5 + C_3C_5C_6R_1R_4R_5 + C_3
9.2863 X-INVALID-ORDER-2863 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{1}{-R_4 + R_5 + s^4 \left( C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_4 R_
9.2864 X-INVALID-ORDER-2864 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)
H(s) = \frac{C_2C_3R_1R_2R_4R_6s^2 + C_3R_1R_4R_6s}{-R_4 + R_5 + s^3\left(-C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3R_1R_2R_3R_5 + C_1C_2C_3R_1R_2R_3R_4 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_5 + C_1C_3R_1R_3R_4 + C_1C_3R_1R_3R_5 + C_1C_3R_1R_3R_5 + C_2C_3R_1R_4R_5 - C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_2R_3
9.2865 X-INVALID-ORDER-2865 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_2C_3R_1R_2R_4s + C_3R_1R_4
H(s) = \frac{C_2C_3R_1R_2R_4s + C_3R_1R_4}{-C_6R_4 + C_6R_5 + s^3\left(-C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1
9.2866 X-INVALID-ORDER-2866 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_4 + s(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6s^2)
                                             \frac{C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_2R_4 + s(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_5)}{-C_6R_4 + C_6R_5 + s^3(-C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_3R_4 + C_1C_2C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6
9.2867 X-INVALID-ORDER-2867 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{-R_4 + R_5 + s^4 \left(-C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_6 R_1 R_3 R_4 R_5 R_6\right) + s^3 \left(-C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 R_1 R_2 R_4 
9.2868 X-INVALID-ORDER-2868 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_4R_6s^2
                                              \frac{C_2C_3C_5R_1R_2R_4R_6s^5 + C_3C_5R_1R_4R_6s^5}{-C_1C_2C_3R_1R_2R_3 + c_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_1R_3R_4 - C_1C_2C_5R_1R_3R_4 - C_1C_3C_5R_1R_3R_4 - C_1C_3C_5R_1R_3R_4 - C_1C_3R_1R_3 + C_1C_3R_1R_4 + C_1C_3R_1R_4 + C_1C_3R_1R_4 + C_2C_3R_1R_4 + C_2C_3R_1R_4 + C_2C_3R_2R_3 + C_2C_3R_2R_4 + C_2C_3R_
9.2869 X-INVALID-ORDER-2869 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_1R_4s
H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4s^4 + C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_3 + C_1C_2C_3C_6R_1R_2R_4 + C_1C_2C_5C_6R_1R_2R_4 + C_1C_3C_5C_6R_1R_3R_4 - C_1C_3C_5C_6R_1R_3R_4 - C_1C_3C_5C_6R_1R_3R_4 - C_1C_3C_5C_6R_1R_3R_4 - C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_3 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_
9.2870 X-INVALID-ORDER-2870 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_2C_3C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_4s + s^2(C_2C_3C_5R_1R_2R_4 + C_3C_5C_6R_1R_4R_6)
                                               \frac{C_2C_3C_5C_6R_1R_2R_3R_4s^4 + C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_3 + C_1C_2C_3C_6R_1R_2R_4 + C_1C_2C_3C_6R_1R_2R_4 + C_1C_2C_3C_6R_1R_2R_4 + C_1C_2C_3C_6R_1R_2R_4 + C_1C_2C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_3R_4 - C_1C_3C_6R_1R_3R_4 - C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_1R_4
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 $C_2C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_4 + s(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5)$

9.2861 X-INVALID-ORDER-2861 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

- **9.2871** X-INVALID-ORDER-2871 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{-C_1C_2C_3C_5C_6R_1R_2R_3R_4R_6s^5 + s^4\left(-C_1C_2C_3C_5R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_3R_6 + C_1C_2C_3C_6R_1R_2R_4R_6 C_1C_2C_5C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6 C_2C_3C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_6 + C_1C_2C_3C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6 C_2C_3C_5C_6R_2R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_6 + C_1C_2C_3C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_6 + C_1C_2C_3C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_6 + C_1C_2C_3C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_3R_4R_6 C_1C_3C_5C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_4R_6 + C_1C_2C_3C_6R_1R_3R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_4R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_4\right) + s^3\left(C_1C_2C_3R_$
- **9.2872** X-INVALID-ORDER-2872 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{1}{s^4 \left(-C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 R_1 R_2 R_4 + C_1 C_2 C_3 R_1 R_2 R_4 + C_1 C_2 C_5 R_1 R$
- **9.2873** X-INVALID-ORDER-2873 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(-C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 + C_1 C_2 C_3$
- **9.2874** X-INVALID-ORDER-2874 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(-C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 + C_1$
- **9.2875** X-INVALID-ORDER-2875 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(-C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_5 R_1 R_2 R_5 R_6 + C_1 C_2 C_3 C_5 R_1 R_2 R_5 R$
- **9.2876** X-INVALID-ORDER-2876 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5R_6s^3 + C_3C_3C_5R_1R_2R_3R_4R_5s^4 R_4 + R_5 + s^3\left(-C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_3R_1R_2R_3R_5 + C_1C_2C_3R_1R_2R_4R_5 C_1C_2C_5R_1R_2R_4R_5 C_1C_3C_5R_1R_3R_4R_5 C_2C_3C_5R_2R_3R_4R_5\right) + s^2\left(-C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_4 + C_1C_2R_1R_2R_4R_5 C_1C_2C_3R_1R_2R_4R_5 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 C_1C_2C_3R_1R_2R_4 -$
- 9.2877 X-INVALID-ORDER-2877 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{-C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5s^4 C_6R_4 + C_6R_5 + s^3\left(-C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_3R_4R_5 C_1C_2C_5C_6R_1R_3R_4R_5 C_1C_3C_5C_6R_1R_3R_4R_5 C_1C_3C_5C_6R_1R_3R_4 C_1C_3C_5C_6R_1R_3R_4 C_1C_3C_5C_6R_1R_3R_5 C_1C_3C_5C_6R_1R_3R_5 C_1C_3C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_5C_6R_1R_5C_5C_5C_5C_5C_5C_5C_5C_5C_5C_5$
- **9.2878** X-INVALID-ORDER-2878 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
- 9.2879 X-INVALID-ORDER-2879 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- **9.2880** X-INVALID-ORDER-2880 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$
- $H(s) = \frac{C_2C_3R_1R_2R_6s^2 + C_3R_1R_6s}{C_1C_2C_3C_4R_1R_2R_3R_5s^4 + s^3\left(-C_1C_2C_3R_1R_2R_3 + C_1C_2C_3R_1R_2R_5 + C_1C_2C_4R_1R_2R_5 + C_1C_3C_4R_1R_3R_5 + C_2C_3C_4R_2R_3R_5\right) + s^2\left(-C_1C_2R_1R_2 + C_1C_2R_1R_3 + C_1C_3R_1R_3 + C_1C_3R_1R_5 + C_2C_3R_1R_5 + C_2C_3R_2R_3 + C_2C_3R_$

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9.2881 X-INVALID-ORDER-2881 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
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 $H(s) = \frac{C_2C_3R_1R_2s + C_3R_1}{C_1C_2C_3C_4C_6R_1R_2R_3R_5s^4 - C_6 + s^3\left(-C_1C_2C_3C_6R_1R_2R_3 + C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_2R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_2C_3C_4C_6R_2R_3R_5\right) + s^2\left(-C_1C_2C_6R_1R_2 + C_1C_2C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_$

9.2882 X-INVALID-ORDER-2882 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_6R_1R_2R_6s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_6R_1R_6\right)}{C_1C_2C_3C_4C_6R_1R_2R_3 + C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_4C_6R_1R_2R_5 + C_1C_4C_4C_4R_1R_5 + C_1C_4C_4$

9.2883 X-INVALID-ORDER-2883 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_5R_6s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_5 - C_1C_2C_3C_6R_1R_2R_3R_6 + C_1C_2C_3C_6R_1R_2R_5R_6 + C_1C_2C_4C_6R_1R_3R_5R_6 + C_1C_3C_4C_6R_1R_3R_5R_6 + C_1C_3C_4C_6R_1R_3R_5R_6 + C_1C_2C_3C_4R_1R_2R_3R_5 + C_1C_2C_3R_1R_2R_3 + C_1C_2C_3R_1R_2R_3 + C_1C_2C_3R_1R_2R_3 + C_1C_2C_3R_1R_2R_3 + C_1C_2C_3R_1R_2R_3 + C_1C_2C_3C_4R_1R_2R_3R_5 + C_1C_2C_3C_4R_1R_2R_3R_$

9.2884 X-INVALID-ORDER-2884 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_1R_6s}{C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_3C_4R_1R_2R_3 - C_1C_2C_3C_5R_1R_2 + C_1C_2C_3R_1R_2 + C_1C_2C_3R_1R_3 + C_1C_2C_4R_1R_2 - C_1C_2C_5R_1R_2 + C_1C_3C_4R_1R_3 - C_1C_3C_5R_1R_3 + C_2C_3C_5R_2R_3\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C_1C_4R_1 - C_1C_5R_1 + C_2C_3R_1R_3 + C_1C_3C_4R_1R_3 - C_1C_3C_5R_1R_3 + C_2C_3C_5R_2R_3\right) + s\left(C_1C_2R_1 + C_1C_3R_1 + C$

9.2885 X-INVALID-ORDER-2885 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.2886 X-INVALID-ORDER-2886 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

9.2887 X-INVALID-ORDER-2887 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_2 + C_3 + C_4 - C_5 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_6 - C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 - C_1 C_2 C_3 C_5 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 - C_1 C_2 C_3 C_5 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 - C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 - C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 - C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 - C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 - C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_6 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6$

9.2888 X-INVALID-ORDER-2888 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{1}{C_1C_2C_3C_4C_5R_1R_2R_3R_5s^4 + C_2 + C_3 + C_4 - C_5 + s^3\left(C_1C_2C_3C_4R_1R_2R_3 - C_1C_2C_3C_5R_1R_2R_3 + C_1C_2C_3C_5R_1R_2R_5 + C_1C_2C_4C_5R_1R_2R_5 + C_1C_3C_4C_5R_1R_3R_5 + C_2C_3C_4C_5R_1R_3R_5 + C_2C_3C_4R_1R_3R_5 + C_2C_3C_4R_$

9.2889 X-INVALID-ORDER-2889 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

9.2890 X-INVALID-ORDER-2890 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

- **9.2891** X-INVALID-ORDER-2891 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- **9.2892** X-INVALID-ORDER-2892 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{C_2C_3C_5R_1R_2R_5R_6s^3 + C_3R_1R_6s + s^2\left(C_2C_3R_1R_2R_5R_6s^3 + C_3R_1R_2R_5 + s^2\left(C_2C_3R_1R_2R_3R_5 C_1C_2C_3R_1R_2R_3R_5 C_1C_2C_3R_1R_2R_3R_5 + C_1C_2C_3R_1R_2R_3 + C_1C_2C_$
- **9.2893** X-INVALID-ORDER-2893 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{-}{-C_6 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_5 C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5\right) + s^3 \left(-C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_5 + C_1 C_2 C_3 C_$
- **9.2894** X-INVALID-ORDER-2894 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_5R_6s^3 + C_3R_1 + C_3C_3C_5C_6R_1R_2R_3R_5 C_1C_2C_3C_5C_6R_1R_2R_3R_5 + C_1C_2C_3C_6R_1R_2R_3 + C_1C_2C_3C_6R_1R_2R_3 + C_1C_2C_3C_6R_1R_2R_5 + C_1C_2C_3C_6R_1R_2R$
- 9.2895 X-INVALID-ORDER-2895 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_5 R_6 C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_5 C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_3$
- **9.2896** X-INVALID-ORDER-2896 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
- $H(s) = \frac{1}{s^4 \left(-C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 R_1 R_2 R_3 + C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_2 C_3 R_1 R_2 R_5 + C_1 C_2 C_3 R_1 R_2 R_5 + C_1 C_2 C_4 R_1 R_2 R_4 + C_1 C_2 C_4 R_1 R_2 R_5 + C_1 C_2 C_4 R_1 R_2 R$
- **9.2897** X-INVALID-ORDER-2897 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
- **9.2898** X-INVALID-ORDER-2898 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{-}{-C_6 + s^4 \left(-C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_$
- **9.2899** X-INVALID-ORDER-2899 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(-C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_6 R_1 R_3 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 R_1 R$
- **9.2900** X-INVALID-ORDER-2900 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{-C_1C_2C_3C_4C_5R_1R_2R_3R_4s^4 + C_2 + C_3 + C_4 C_5 + s^3\left(C_1C_2C_3C_4R_1R_2R_3 + C_1C_2C_3C_4R_1R_3R_4 C_1C_2C_3C_5R_1R_2R_3 C_1C_2C_4C_5R_1R_2R_4 C_1C_3C_4C_5R_1R_3R_4 C_2C_3C_4C_5R_2R_3R_4\right) + s^2\left(C_1C_2C_3R_1R_2 + C_1C_2C_3R_1R_3 + C_1C_2C_3C_4R_1R_3R_4 C_1C_2C_3C_4R_1R_3R_4 C_1C_3C_4C_5R_1R_3R_4 C_2C_3C_4C_5R_1R_3R_4 C_2C_3C_4R_1R_3R_4 C_2C_3C_4R_1R_3R_4 C_2C_3C_4C_5R_1R_3R_4 C_2C_3C_4C_5R_1R_3R_4 C_2C_3C_4C_5R_1R_3R_4 C_2C_3C_4C_5R_1R_3R_4 C_2C_3C_4R_1R_3R_4 C_2$

- **9.2901** X-INVALID-ORDER-2901 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- **9.2902** X-INVALID-ORDER-2902 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- **9.2903** X-INVALID-ORDER-2903 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{-C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_6s^5 + C_2 + C_3 + C_4 C_5 + s^4\left(-C_1C_2C_3C_4C_5R_1R_2R_3R_4 + C_1C_2C_3C_4C_6R_1R_2R_4R_6 + C_1C_2C_3C_4C_6R_1R_3R_4R_6 C_1C_2C_3C_5C_6R_1R_2R_3R_6 C_1C_2C_4C_5C_6R_1R_2R_4R_6 C_1C_2C_3C_4C_5R_1R_2R_4R_6 C_1C_2C_3C_4C_5$
- **9.2904** X-INVALID-ORDER-2904 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{1}{C_2 + C_3 + C_4 C_5 + s^4 \left(-C_1 C_2 C_3 C_4 C_5 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 C_4 R_1 R_2 R_5 + C_1 C_2 C_3 C_4 R_1 R_2$
- 9.2905 X-INVALID-ORDER-2905 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- **9.2906** X-INVALID-ORDER-2906 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_2C_6 + C_3C_6 + C_4C_6 C_5C_6 + s^4 \left(-C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_2R_3R_5 + C_1C_2C_3C_4C_5C_6R_1R_2R_4R_5 + C_1C_2C_3C_4C_5C_6R_1R_3R_4R_5\right) + s^3 \left(C_1C_2C_3C_4C_6R_1R_2R_3 + C_1C_2C_3C_4C_6R_1R_2R_4 + C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C$
- **9.2907** X-INVALID-ORDER-2907 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{C_2 + C_3 + C_4 C_5 + s^5 \left(-C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_4 C_5 R_1 R_2 R_3$
- 9.2908 X-INVALID-ORDER-2908 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{-}{-C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5s^5 + s^4\left(-C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_5 + C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C_5R_1R_2R_3R_5 C_1C_2C_4C_5R_1R_2R_4R_5 C_1C_3C_4C_5R_1R_3R_4R_5 C_2C_3C_4C_5R_2R_3R_4R_5\right) + s^3\left(-C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_5 + C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_4R_1R_2R_3R_5 + C_1C_2C_3C_4R_1R_2R_3R_5 C_1C_2C_3C$
- **9.2909** X-INVALID-ORDER-2909 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{-C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 C_6 + s^4\left(-C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_3C_4C_6R_1R_2R_3R_5 + C_1C_2C_3C_4C_6R_1R_2R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_5 C_1C_2C_4C_5C_6R_1R_2R_4R_5 C_1C_2C_4C_5C_6R_1R_2R_4R_5 C_1C_3C_4C_5C_6R_1R_2R_4R_5 C_1C_3C_4C_5C_6R_1R_3R_4R_5 C_1C_3C_4C_5C_6R_1R_3R_4 C_1C_3C_4C_5C_6R_1R_3R_4 C_1C_3C_4C_5C_6R_1R_3R_4 C_1C_3C_4C_5$
- **9.2910** X-INVALID-ORDER-2910 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

- **9.2911** X-INVALID-ORDER-2911 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^6 + s^5\left(-C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5 C_1C_2C_3C_4C_6R_1R_2R_3R_4R_6 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_5R_4R_5R_5R_5 + C_1C_2C_3C_4C_5R_4R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5R_5 + C_1C_2C_3C_4C_5R_5R_5R_5$
- **9.2912** X-INVALID-ORDER-2912 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$
- $H(s) = \frac{C_2 \alpha_3}{C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 R_5 s^4 R_4 + R_5 + s^3 \left(-C_1 C_2 C_3 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 R_1 R_3 R_4 R_5 + C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 R_1 R_3 R_4 R_5 + C_2 C_3 C_4 R_2 R_3 R_4 R_5 \right) + s^2 \left(-C_1 C_2 R_1 R_2 R_4 + C_1 C_2 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 R_1 R$
- **9.2913** X-INVALID-ORDER-2913 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5s^4 C_6R_4 + C_6R_5 + s^3\left(-C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_3R_4R_5 + C_1C_2C_3C_4C_4R_3R_4R_5 + C_1C_2C_3C_4C_4C_4R_3R_4R_5 + C_1C_2C_3C_4C_4C_4R_3R_4R_5 + C_1C_2C_3C_4C_4C_4R_3R_4R_5 + C_1C_2C_3C_4C_4C_4R_3R_4R_5 + C_1C_2C_3C_4C_4C_4R_4R_5 + C_1C_2C_3C_4C_4C_4C_4C_4C_4C_4C_4C_4C_4C_4C$
- **9.2914** X-INVALID-ORDER-2914 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5s^4 C_6R_4 + C_6R_5 + s^3\left(-C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_3R_4R_5 + C_1C_2C_3C_6R_1R_3R_5 + C_1C_2C_3C_6R_1R_3R_5 + C_1C_2C_3C_6R_1R_3R_5 + C_1C_2C_3C$
- **9.2915** X-INVALID-ORDER-2915 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
- **9.2916** X-INVALID-ORDER-2916 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2}{s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 C_1C_2C_3C_5R_1R_2R_3R_4 + S^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_4R_1R_2R_4 C_1C_2C_5R_1R_2R_4 + C_1C_3C_4R_1R_3R_4 C_1C_3C_5R_1R_3R_4 + C_2C_3C_4R_2R_3R_4 C_2C_3C_5R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_4R_1R_2R_4 C_1C_3C_5R_1R_3R_4 + C_2C_3C_4R_2R_3R_4 C_2C_3C_5R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_4R_1R_2R_4 C_1C_3C_5R_1R_3R_4 + C_2C_3C_4R_2R_3R_4 C_2C_3C_5R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_3C_4R_1R_3R_4 C_1C_3C_5R_1R_3R_4 + C_2C_3C_5R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_1R_2R_4 + C_1C_3C_3R_1R_2R_4 + C_1C_3C$
- 9.2917 X-INVALID-ORDER-2917 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_3 C_4 C_6 R_1 R_3 R_4 C_1 C_3 C_5 C_6 R_1 R_3 R_4 + C_2 C_3 C_4 C_6 R_1 R_2 R_4 + C_1 C_2 C_3 C_6 R_1 R_3 R_4 + C_1 C_3 C_6$
- **9.2918** X-INVALID-ORDER-2918 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- 9.2919 X-INVALID-ORDER-2919 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_4 R_6 \right) + s^4$
- 9.2920 X-INVALID-ORDER-2920 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5s^5 + s^4(C_1C_2C_3C_4R_1R_2R_3R_4 C_1C_2C_3C_5R_1R_2R_3R_4 + C_1C_2C_3C_5R_1R_2R_3R_5 + C_1C_2C_3C_5R_1R_2R_4R_5 + C_1C_2C_3C_5R_1R_2R_4$

- 9.2921 X-INVALID-ORDER-2921 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4(C_1C_2C_3C_4C_6R_1R_2R_3R_4 C_1C_2C_3C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_5C_6R_1R_2R_4R_5 + C_1C_2C_3C_5C_6R_1R_3R_4R_5 + C_1C_2C_3C_5C_6R_1R_3R_4 + C_1C_2C_3C_5C_6R_1R_3R_4R_5 + C_1C_2C_3C_5C_6R_1R_3R_4 + C_1C_2C_3C_5C_6R_1R_3R_4 + C_1C_2C_3C_5C_6R_1R_3R_4 + C_1C_2C_3C_5C_6$
- **9.2922** X-INVALID-ORDER-2922 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4(C_1C_2C_3C_4C_6R_1R_2R_3R_4 C_1C_2C_3C_5C_6R_1R_2R_3R_4 + C_1C_2C_3C_5C_6R_1R_2R_4R_5 + C_1C_2C_3C_5C_6R_1R_3R_4R_5 + C_1C_2C_3C_5C_6R_1R_3R_4 + C_1C_2C_3C_5C_6R_1R_3R_4 + C_1C_2C_3C_5C_6R_1R_3R_5 + C_1C_3C_5C_6R_1R_3R_5 + C_1C_3C_5C_6R_1R_3R_5 + C_1C_3C_5C_5C_6R_1R_5C_5$
- **9.2923** X-INVALID-ORDER-2923 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^6 + s^5\left(C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5 + C_1C_2C_3C_5C_6R_1R_2R_3R_4R_6 + C_1C_2C_3C_5C_6R_1R_3R_4R_6 + C_1C_2C_3C_5C_6R_1R_3R_4R_$
- **9.2924** X-INVALID-ORDER-2924 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$
- $H(s) = \frac{-R_4 + R_5 + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 R_5 C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_4 R_5\right) + s^3 \left(-C_1 C_2 C_3 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 R_1 R_2 R_4 R_5 + C_1 C_2 C_3 R_1 R_3 R_4 R_5 + C_1 C_2 C_4 R_1 R_2 R_4 R_5 C_1 C_2 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 R_1 R_3 R_4 R_5 + C_1 C_2 C_3 R_1 R_2 R_4 R_5 + C_1 C_2 C_3$
- **9.2925** X-INVALID-ORDER-2925 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{-}{-C_6R_4 + C_6R_5 + s^4\left(C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 C_1C_2C_3C_6R_1R_2R_3R_4R_5\right) + s^3\left(-C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_3C_6R_1R_3R_4R_5 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1C_2C_3C_6R_1R_2R_$
- **9.2926** X-INVALID-ORDER-2926 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$
- $-C_6R_4 + C_6R_5 + s^4 (C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5) + s^3 (-C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_3C_6R_1R_2R_4R_5 + C_1$
- 9.2927 X-INVALID-ORDER-2927 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-R_4 + R_5 + s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 R_6 C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_5 C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 R_5 C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 C_1 C_2 C_3 C_6 R_1 R_2 R_3$
- **9.2928** X-INVALID-ORDER-2928 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$

- $\frac{C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}R_{6}s^{2}+R_{1}R_{4}R_{6}+s\left(C_{2}R_{1}R_{2}R_{4}R_{6}+C_{3}R_{1}R_{3}R_{4}R_{6}\right)}{C_{1}C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{3}R_{4}+R_{5}s^{3}-R_{5}R_{5}s^{3}-R_{5$
- **9.2929** X-INVALID-ORDER-2929 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{1}{C_6 s}\right)$
 - $C_2C_3R_1R_2R_3R_4s^2 + R_1R_4 + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4\right)$
- **9.2930** X-INVALID-ORDER-2930 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$
- $\frac{C_2C_3C_6R_1R_2R_3R_4R_6s^3 + R_1R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_6R_1R_2R_4R_6 + C_3C_6R_1R_3R_4R_6\right) + s\left(C_2R_1R_2R_4 + C_3R_1R_3R_4 + C_6R_1R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^4 + s^3\left(-C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_5 + C_1C_2C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_3R_4 + C_1C_6R_1R_3R_4 + C_1C_6R$

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9.2931 X-INVALID-ORDER-2931 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{1}{C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6s^4 - R_3R_4 + R_3R_5 + R_4R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 - C_1C_2C_6R_1R_2R_3R_4R_6 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_3R_4R_5R_6 + C_1C_3C_6R_1R_3R_4R_5R_6 + C_1C_3C_6R_1R_3R_4R_5R_5 + C_1C_3C_6R_1R_3R_4R_5R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_4R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_$

9.2932 X-INVALID-ORDER-2932
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6\right)$$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_4R_6s + s^2\left(C_2C_5R_1R_2R_4R_6 + C_3C_5R_1R_3R_4R_6\right)}{R_3 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 - C_1C_2C_5R_1R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2R_3 + C_1C_2R_1R_2R_4 + C_1C_3R_1R_3R_4 + C_1C_5R_1R_3R_4 + C_2C_3R_1R_3R_4 + C_2C_3R_2R_3R_4 - C_2C_5R_2R_3R_4\right) + s\left(C_1R_1R_3 + C_1R_1R_4 + C_2R_1R_4 + C_2R_2R_4 + C_2R_2R_4 + C_2R_2R_4\right)}$

9.2933 X-INVALID-ORDER-2933
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

9.2934 X-INVALID-ORDER-2934
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_3R_4 + C_2C_5C_6R_1R_3R_4R_6\right) + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 - C_1C_2C_5C_6R_1R_2R_4 + C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_2C_3C_6R_1R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4\right) + s\left(C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_2C_3C_6R_1R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4\right) + s\left(C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_2C_3C_6R_1R_3R_4 + C_2C_3C_6R_2R_3R_4 +$

9.2935 X-INVALID-ORDER-2935
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{R_3 + R_4 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_4 - C_1 C_2 C_5 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_6 R_1 R_3 R_4 R_6 + C_1 C_3 C_6 R_1 R_3 R_4 R_6 + C_1 C_3$

9.2936 X-INVALID-ORDER-2936 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $\frac{C_2C_3}{C_1C_2C_3C_5R_1R_2R_3R_4R_5s^4 + R_3 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 - C_1C_2C_5R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_3R_5 + C_1C_2C_5R_1R_2R_4R_5 + C_1C_2C_5R_1R_3R_4R_5 + C_2C_3C_5R_1R_3R_4R_5 + C_2C_3C_5R_1R_3R_4 + C_2C_3C_5R_3R_3R_4 + C_2C_3C_5R_3R_3R$

9.2937 X-INVALID-ORDER-2937
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 - C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_5 + C_1C_2C_5C_6R_1R_3R_4R_5 + C_1C_3C_5C_6R_1R_3R_4R_5 + C_1C_3C_5C_6R_1R_3R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_6R_1R_5C_5C_5C_$

9.2938 X-INVALID-ORDER-2938
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$$

 $\overline{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 - C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_5 + C_1C_2C_5C_6R_1R_3R_5 + C_1C_2C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_5C_5$

9.2939 X-INVALID-ORDER-2939
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

9.2940 X-INVALID-ORDER-2940
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

 $C_{2}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}s^{3} + R_{1}R_{4}R_{6} + s^{2}\left(C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}R_{6} + C_{2}C_{5}R_{1}R_{2}R_{4}R_{5}R_{6} + C_{3}C_{5}R_{1}R_{3}R_{4}R_{5}R_{6}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{6} + C_{3}R_{1}R_{2}R_{4}R_{5}R_{6}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{6} + C_{3}R_{1}R_{2}R_{4}R_{6}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R_{6}\right) + s\left(C_{2}R_{1}R_{2}R_{4}R$ $\frac{C_2C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_4R_6 + s + c_2C_3R_1R_2R_3R_4R_5 + c_3C_5R_1R_3R_4R_5R_6s^2 + r_1R_4R_6 + s + c_2C_3R_1R_2R_3R_4R_5 + c_3C_5R_1R_3R_4R_5R_6s^2 + r_1R_4R_6 + s + c_2C_3R_1R_2R_3R_4R_5 + c_3C_5R_1R_3R_4R_5 + c_3C_5R_3R_4R_5 + c_3C_5R_3R_4R_5 + c_3C_5R_3R_4R_$

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 9.2941 \quad \textbf{X-INVALID-ORDER-2941} \ Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \ R_2 + \frac{1}{C_2s}, \ \frac{R_3}{C_3R_3s+1}, \ R_4, \ \frac{R_5}{C_3R_3s+1}, \ R_5 + \frac{1}{C_2C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_5R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_2R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5 + C_2C_3C_6R_1R_3R_4R_5
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9.2944 X-INVALID-ORDER-2944 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_3R_6s^2 + R_1R_6 + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_6\right)}{-R_3 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_5 + C_1C_2R_1R_2R_3 + C_1C_2R_1R_2R_3 + C_1C_2R_1R_3R_5 + C_1C_3R_1R_3R_5 + C_2C_3R_1R_3R_5 + C_2C_3R_2R_3R_5 + C_2C_4R_2R_3R_5\right) + s\left(-C_1R_1R_3 + C_1R_1R_5 + C_2R_1R_5 - C_2R_2R_3 + C_2R_2$

9.2945 X-INVALID-ORDER-2945 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_3s^2 + R_1 + s\left(C_2R_1R_2 + C_3R_1R_3\right)}{s^4\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_4C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_6C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_3 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5\right) + s^2\left(-C_1C_6R_1R_3R_5 + C_2C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5\right) + s^2\left(-C_1C_6R_1R_3R_5 + C_2C_6R_1R_3R_5\right) + s^2\left(-C_1C_6R_1R_3R_5\right) + s$

9.2946 X-INVALID-ORDER-2946 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_6R_1R_2R_3R_6s^3 + R_1 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_6R_1R_2R_6 + C_3C_6R_1R_3R_6\right) + s\left(C_2R_1R_2 + C_3R_1R_3 + C_6R_1R_6\right)}{s^4\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_4C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_1C_3C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R_2R_3R_5 + C_2C_4C_6R_2R_3R_5\right) + s^3\left(-C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_3R_5 + C_1C_2C_6R_1R_3R_5 + C_2C_3C_6R_1R_3R_5 + C_2C_3C_6R$

9.2947 X-INVALID-ORDER-2947 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{-R_3 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 R_1 R_2 R_3 R_5 - C_1 C_2 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_6 R_1 R_3 R_5 R_6 + C_1 C_3 C_6 R_1 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_5 R_5 R_6 + C_1 C_4 C_6 R_1 R_5 R_5 R_6 + C_1 C_4 C_6 R_1 R_5 R_5 R_6 + C_1 C_5 C_6 R_1 R_5$

9.2948 X-INVALID-ORDER-2948 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_6s^3 + C_5R_1R_6s + s^2\left(C_2C_5R_1R_2R_6 + C_3C_5R_1R_3R_6\right)}{s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3\right) + s^2\left(C_1C_2R_1R_2 + C_1C_2R_1R_3 + C_1C_3R_1R_3 + C_1C_4R_1R_3 - C_1C_5R_1R_3 + C_2C_3R_2R_3 + C_2C_4R_2R_3 - C_2C_5R_2R_3\right) + s\left(C_1R_1 + C_2R_1 + C_2R_2 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3\right) + 1}{s^3\left(C_1C_2C_3R_1R_2R_3 + C_1C_2C_4R_1R_2R_3 - C_1C_2C_5R_1R_2R_3\right) + s\left(C_1C_2R_1R_2 + C_1C_2R_1R_2 + C_1C_2R_1R_3 + C_1C_3R_1R_3 + C_2C_3R_1R_3 + C_2C_3R_1R_3 + C_2C_3R_2R_3 + C_2C_4R_2R_3 - C_2C_5R_2R_3\right) + s\left(C_1R_1 + C_2R_1 + C_2R_$

9.2949 X-INVALID-ORDER-2949 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

9.2950 X-INVALID-ORDER-2950 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

- **9.2951** X-INVALID-ORDER-2951 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_6 C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_4 R_1 R_2 R_3 C_1 C_2 C_5 R_1 R_2 R_3 + C_1 C_2 C_6 R_1 R_2 R_6 + C_1 C_2 C_6 R_1 R_3 R_6 + C_1 C_4 C_6 R_1 R_3 R_6 C_1 C_5 C_6 R_1 R_3 R_6 + C_2 C_3 C_6 R_1 R_3 R_6 + C_1 C_2 C_6 R_1 R_3 R_6 +$
- **9.2952** X-INVALID-ORDER-2952 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

- $\frac{C_2C_3C_5R_1R_2R_3R_6s^{\circ} + C_2C_3C_5R_1R_2R_3R_5 + C_1C_2C_4C_5R_1R_2R_3R_5 + C_1C_2C_4R_1R_2R_3 + C_1C_2C_5R_1R_2R_3 + C_1C_2C_5R_1R_2R_3 + C_1C_2C_5R_1R_3R_5 + C_1C_3C_5R_1R_3R_5 + C_1C_4C_5R_1R_3R_5 + C_2C_3C_5R_1R_3R_5 + C_2C_3C_5R_3R_5 +$
- **9.2953** X-INVALID-ORDER-2953 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 + C_1 C_2 C_5 C_6 R_1 R_2 R_3 + C_1 C_2 C_5 C_6 R_1 R_2 R_3 + C_1 C_2 C_5 C_6 R_1 R_3 R_5 + C_1 C_3 C_5 C_6 R_1 R_3 R_5 + C_1 C_4 C_5 C_6 R_1 R_3 R_5 + C_2 C_3 C_5 C_6 R_1 R_3 R_5$
- **9.2954** X-INVALID-ORDER-2954 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- **9.2955** X-INVALID-ORDER-2955 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_6 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_2$
- **9.2956** X-INVALID-ORDER-2956 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
- $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_5R_6s^3 + R_1R_6 + s^2\left(C_2C_3R_1R_2R_3R_6 + C_2C_5R_1R_2R_5R_6 + C_3C_5R_1R_3R_5R_6\right) + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_5 + C_1C_2C_4R_1R_2R_3R_5 C_1C_2C_5R_1R_2R_3R_5\right) + s^2\left(-C_1C_2R_1R_2R_3 + C_1C_2R_1R_3R_5 + C_1C_3R_1R_3R_5 + C_1C_3R_1R_3R_5 + C_2C_3R_1R_3R_5 + C_2C_3R_1R_3R_5$
- **9.2957** X-INVALID-ORDER-2957 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_5s^3 + R_1 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_5R_1R_2R_5 + C_3C_5R_1R_3R_5\right) + s\left(C_2R_1R_2 + C_3R_1R_3R_5\right) + s\left(C_2R_1R_2 + C_3R_1R_3R_5\right) + s\left(C_2R_1R_2R_3R_5 + C_1C_2C_6R_1R_3R_5 + C_1C_2C_$ $C_2C_3C_5R_1R_2R_3R_5s^3 + R_1 + s^2\left(C_2C_3R_1R_2R_3 + C_2C_5R_1R_2R_5 + C_3C_5R_1R_3R_5\right) + s\left(C_2R_1R_2 + C_3R_1R_3R_5\right) + s\left(C_2R_1R_3 + C_3R_1R_3R_5\right) + s\left(C_2R_1R_3 + C_3R_3R_5\right) + s\left(C_3R_1R_3R_5\right) + s\left(C_3R_1R_5\right) + s\left(C_3R_1R$
- **9.2958** X-INVALID-ORDER-2958 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$
- $\frac{C_2C_3C_5C_6R_1R_2R_3R_5R_6s^4 + R_1 + s^3\left(C_2C_3C_5R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_6 + C_2C_5C_6R_1R_2R_3R_6 + C_3C_5C_6R_1R_3R_5R_6\right) + s^2\left(C_2C_3R_1R_2R_3 + C_2C_5R_1R_2R_5 + C_2C_6R_1R_2R_6 + C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_1R_$
- **9.2959** X-INVALID-ORDER-2959 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-R_3 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_5 R_6 C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_5 R_6\right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 R_1 R_2 R_3 R_5 C_1 C_2 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 + C_1 C_2$
- **9.2960** X-INVALID-ORDER-2960 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

- $\frac{C_2C_3C_4R_1R_2R_3R_4R_5s^4 R_3 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_5 C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_3R_5 + C_1C_2C_4R_1R_3R_4R_5 + C_1C_3C_4R_1R_3R_4R_5 + C_2C_3C_4R_1R_3R_4R_5 + C_2C_3C_4R_1R_3R_4 +$

- **9.2961** X-INVALID-ORDER-2961 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5s^5 + s^4\left(C_1C_2C_3C_6R_1R_2R_3R_5 C_1C_2C_4C_6R_1R_2R_3R_5 + C_1C_2C_4C_6R_1R_2R_4R_5 + C_1C_2C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_$
- **9.2962** X-INVALID-ORDER-2962 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

- $H(s) = \frac{C_2C_3C_4C_6R_1R_2R_3R_4R_6s^4 + R_1 + s^3\left(C_2C_3C_4R_1R_2R_3R_4R_6s^4 + R_1 + s^3\left(C_2C_3C_4R_1R_2R_3R_4R_5 + C_1C_2C_4C_6R_1R_3R_4R_5 + C_1C_2C_4C_6R_1R_3R_4 + C_1C_2C_4C_6R_1R_3R_4 + C_1C_2C_4C_6R_1R_3R_4 + C_1C_2C_4C_6R_1$
- **9.2963** X-INVALID-ORDER-2963 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5, \frac{R_6}{C_6 R_6 s + 1}\right)$
- **9.2964** X-INVALID-ORDER-2964 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

- $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_3R_4R_6s^4 + C_5R_1R_6s + s^3\left(C_2C_3C_5R_1R_2R_3R_6 + C_2C_4C_5R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_3 + C_1C_2C_4R_1R_2R_3 + C_1C_2C_4R_1R_2R_3 + C_1C_2C_4R_1R_3R_4 C_1C_4C_5R_1R_3R_4 + C_2C_3C_4R_1R_3R_4 + C_2C_3C_3R_1R_3R_4 + C_2C_3C_3R_3R_4 + C_2C_3C$
- **9.2965** X-INVALID-ORDER-2965 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- **9.2966** X-INVALID-ORDER-2966 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_2C_3C_4C_5C_6R_1R_2R_3R_4R_6s^4 + C_5R_1 + s^3\left(C_2C_3C_4C_5R_1R_2R_3R_4 + C_2C_3C_5C_6R_1R_2R_3R_4 + C_2C_3C_5C_6R_1R_2R_3R_4 + C_2C_3C_5C_6R_1R_2R_3R_4 + C_2C_3C_5C_6R_1R_2R_3 + C_2C_4C_6R_1R_2R_3 + C_2C_$
- **9.2967** X-INVALID-ORDER-2967 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_6 C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_6 + C_1 C_2$
- **9.2968** X-INVALID-ORDER-2968 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_5R_1R_2R_3R_4 + C_1C_2C_4C_5R_1R_2R_3R_5 + C_1C_2C_4C_5R_1R_2R_4R_5 + C_1C_2C_4C_5R_1R_3R_4R_5 + C_1C_3C_4C_5R_1R_3R_4R_5 + C_1C_3C_4C_5R_1R_3R_5 + C_1C_3C_4C_5R_1R_3R_5 + C_1C_3C_4C_5R_1R_3R_5 + C_1C_3C_4C_5R_1R_3R_5 + C_1C_3C_4C_5R_1R_3R_5 + C_1C_3C_5R_3R_5 + C_1C_3C_5R_5R_5R_$
- **9.2969** X-INVALID-ORDER-2969 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4(C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_5 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_3R_4R_5 + C_1C_2C_4C_5C_6R_1R_3R_4R_5 + C_1C_2C_4C_5C_6R_1R_3R_4 + C_1C_2C_4C_5C_6R_1R_3R_4C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_5C_6R_1R_3C_5$
- **9.2970** X-INVALID-ORDER-2970 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4(C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_5 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_5 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_4C_5C_6R_1R_2R_3R_5 + C_1C_2C_4C_5C_6R_1R_3R_4R_5 + C_1C_2C_4C_5C_6R_1R_3R_4C_5C_6R_1R_3R_5 + C_1C_2C_4C_5C_6R_1R_3R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_5C_6R_1R_5$

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9.2971 X-INVALID-ORDER-2971 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
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 $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^6 + s^5(C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_6 + C_1C_2C_4C_5C_6R_1R_2R_3R_4R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_6 + C_1C_4C_5C_6R_1$

9.2972 X-INVALID-ORDER-2972
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_3R_4R_5R_6s^4 + R_1R_6 + s^3\left(C_1C_2C_3C_4R_1R_2R_3R_4R_5 - C_1C_2C_4R_1R_2R_3R_4R_5 - C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_3R_5 + C_1C_2C_4R_1R_3R_4R_5 - C_1C_2C_5R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_$

9.2973 X-INVALID-ORDER-2973
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 - C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5\right) + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_5 - C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_5$

9.2974 X-INVALID-ORDER-2974
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$$

 $\frac{C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5F_6s^5 + R_1 + s^4\left(C_2C_3C_4C_5R_1R_2R_3R_4R_5 + C_2C_3C_4C_6R_1R_2R_3R_4R_6 + C_2C_3C_5C_6R_1R_2R_3R_5R_6 + C_2C_4C_5C_6R_1R_2R_3R_4R_5 + C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_2C_3C_4C_6R_1R_3R_4R_5 + C_2C_3C_4C_6R_1R_2R_3R_4R_5 + C_2C_3C_4C_6R_1$

9.2975 X-INVALID-ORDER-2975 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-R_3 + R_5 + s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 R_6 - C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 R_5 - C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3$

9.2976 X-INVALID-ORDER-2976 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $\frac{C_2C_3R_1R_2R_3R_4R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_2R_3R_4 + C_1C_2R_1R_3R_4R_5 + C_1C_2R_1R_3R_4R_5 + C_1C_2R_1R_3R_4R_5 + C_2C_3R_1R_3R_4R_5 + C_2C_3R_1R_3R$

9.2977 X-INVALID-ORDER-2977 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_3R_4S^2 + R_1R_4 + s\left(C_2R_1R_2R_3R_4S^2 + R_1R_4 + s\left(C_2R_1R_2R_4R_5 + C_1C_2C_6R_1R_2R_3R_4S^2 + R_1R_4 + s\left(C_2R_1R_2R_4R_5 + C_1C_2C_6R_1R_2R_3R_4S^2 + R_1R_4 + s\left(C_2R_1R_2R_4R_5 + C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R$

9.2978 X-INVALID-ORDER-2978 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $\frac{C_2C_3C_6R_1R_2R_3R_4R_6s^3 + R_1R_4 + s^2\left(C_2C_3R_1R_2R_3R_4 + C_2C_6R_1R_2R_4R_6 + C_3C_6R_1R_3R_4R_6\right)}{s^4\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_3R_4R_5 + C_1$

9.2979 X-INVALID-ORDER-2979 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-R_3R_4 + R_3R_5 + R_4R_5 + s^4\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_1R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 + C_1C_2C_4R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_6 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1$

9.2980 X-INVALID-ORDER-2980 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$

 $C_2C_3C_5R_1R_2R_3R_4R_6s^3 + C_5R_1R_4R_6s + s^2(C_2C_5R_1R_2R_4R_6 + C_3C_5R_1R_3R_4R_6)$

 $\frac{C_2C_3C_5R_1R_2R_3R_4R_6s + C_5R_1R_4R_6s + s}{R_3 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_4R_1R_2R_3R_4 + C_1C_2R_1R_2R_3 + C_1C_2R_1R_2R_3 + C_1C_2R_1R_3R_4 + C_1C_3R_1R_3R_4 + C_1C_4R_1R_3R_4 + C_1C_5R_1R_3R_4 + C_2C_3R_1R_3R_4 + C_2C_3R_2R_3R_4 + C_2C_3R_3R_3R_4 + C_2C$

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9.2981 X-INVALID-ORDER-2981 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)
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 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4\right)}{C_6R_3 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_6R_1R_2R_3 + C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_1R_3C$

9.2982 X-INVALID-ORDER-2982 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $\frac{C_2C_3C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_4 + s^2\left(C_2C_3C_5R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_3R_4R_6\right) + s\left(C_2C_5R_1R_2R_4 + C_2C_5C_6R_1R_2R_3R_4 + C_2C_5C_6R_1R_2R_3R_4 + C_2C_5C_6R_1R_3R_4 + C$

9.2983 X-INVALID-ORDER-2983 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{R_3 + R_4 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_6 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1$

9.2984 X-INVALID-ORDER-2984 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $\overline{R_{3} + R_{4} + s^{4} \left(C_{1} C_{2} C_{3} C_{5} R_{1} R_{2} R_{3} R_{4} R_{5} + C_{1} C_{2} C_{4} C_{5} R_{1} R_{2} R_{3} R_{4} R_{5} \right) + s^{3} \left(C_{1} C_{2} C_{3} R_{1} R_{2} R_{3} R_{4} + C_{1} C_{2} C_{5} R_{1} R_{2} R_{3} R_{4} + C$

9.2985 X-INVALID-ORDER-2985 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

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

9.2986 X-INVALID-ORDER-2986 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $\overline{C_6R_3 + C_6R_4 + s^4 \left(C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_4C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_3R_4R_5 + C_1C_2C_5C$

9.2987 X-INVALID-ORDER-2987 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_3 + R_4 + s^5 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_5 C_6 R_1 R_2 R$

9.2988 X-INVALID-ORDER-2988 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $C_2C_3C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_4R_6 + s^2(C_2C_3R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_4R_5R_6 + C_3C_5R_1R_3R_4R_5R_6 + C_3C_5R_1R_3R_4R_5R_5 + C_3C_5R_1R_3R_4R_5R_5 + C_3C_5R_1R_3R_4R_5R_5 + C_3C_5R_1R_3R_5R_5 + C_3C_5R_5R_5 + C_3C_5R_5 + C_5$ $\frac{C_2C_3C_5R_1R_2R_3R_4R_5 + s^2\left(C_2C_3R_1R_2R_3R_4R_6 + s^2\left(C_2C_3R_1R_2R_3R_4R_6 + C_2C_5R_1R_2R_4R_5 + C_3C_5R_1R_3R_4R_6 + C_3C_5R_1R_3R_4R_6 + C_3C_5R_1R_3R_4R_5 + C_3C_5R_1R_3R_4R_5 + C_3C_3R_1R_3R_4R_5 + C_3C_3R_3R_3R_5 + C_3C_3R_3R_3R_5 + C_3C_3R_3R$

9.2989 X-INVALID-ORDER-2989 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_4R_5 + C_1C_2C_6R_1R_2R$

9.2990 X-INVALID-ORDER-2990 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $\frac{C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+G_{5}{}^{4}+R_{1}R_{4}+s^{3}\left(C_{2}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{6}+C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{3}C_{5}C_{6}R_{1}R_{3}R_{4}R_{5}+C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{5}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{$

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9.2991 X-INVALID-ORDER-2991 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2 + \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
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 $H(s) = \frac{1}{-R_3R_4 + R_3R_5 + R_4R_5 + s^4\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6 + C_1C_2C_4C_6R_1R_2R_3R_4R_5R_6 - C_1C_2C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_4R_1R_2R_3R_4R_5 - C_1C_2C_5R_1R_2R_3R_4R_5 - C_1C_2C_6R_1R_2R_3R_4R_5 - C_1C_2C_6R_1R$

9.2992 X-INVALID-ORDER-2992 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{R_1 R_2 R_4}{C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + s^2 \left(-C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_5 + C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right) + s \left(C_6 R_1 R_4 R_5 - C_6 R_2 R_3 R_4 + C_6 R_2 R_3 R_5 + C_6 R_2 R_4 R_5 + C_6 R_3 R_4 R_5\right)$

9.2993 X-INVALID-ORDER-2993 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_6R_1R_2R_4R_6s + R_1R_2R_4}{C_1C_2C_6R_1R_2R_3R_4R_5s^3 + s^2\left(-C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_4R_5 + C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_4R_5 - C_6R_2R_3R_4 + C_6R_2R_3R_5 + C_6R_2R_4R_5 + C_6R_3R_4R_5\right)}$

9.2994 X-INVALID-ORDER-2994 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$

9.2995 X-INVALID-ORDER-2995 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_5 C_6 R_1 R_2 R_3 R_4 - C_1 C_5 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_6 + C_1 C_6 R_1 R_2 R_4 R_6 + C_2 C_6 R_1 R_2 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 - C_5 C_6 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_4 R_6 + C_2 C_6 R_1 R_2 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 - C_5 C_6 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 - C_5 C_6 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_1 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_3 R_4 R_6 + C_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_4 R_6 + C_2 R_3 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_4 R_6 + C_2 R_4 R_6 \right) + s \left(C_1 R_1 R_2 R_4 R_6 + C_2 R_4 R_4 R_6 \right) + s \left(C_1 R_1 R_4 R_4 R_6 + C_2 R_4 R_6 \right) + s \left(C_1 R_1 R_4 R_4 R_6 + C_2$

9.2996 X-INVALID-ORDER-2996 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{C_1 C_2 C_5 R_1 R_2 R_3 R_4 R_5 s^3 + R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_4 + C_1 C_5 R_1 R_2 R_3 R_5 + C_1 C_5 R_1 R_2 R_4 R_5 + C_2 C_5 R_1 R_2 R_4 R_5 + C_2 C_5 R_1 R_2 R_4 R_5 \right) + s \left(C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_4 + C_1 R_1 R_3 R_4 + C_2 R_1 R_2 R_4 + C_1 R_1 R$

9.2997 X-INVALID-ORDER-2997 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_4}{C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_4 R_5 s^3 + C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s^2 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_5 C_6 R_1 R_2 R_4 R_5 + C_2 C_5 C_6 R_1 R_2 R_4$

9.2998 X-INVALID-ORDER-2998 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_4}{C_1C_2C_5C_6R_1R_2R_3R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_5 + C_1C_5C_6R_1R_2R_4R_5 + C_2C_5C_6R_1R_2R_4R_5 + C_2C_5C_6R_1R_2R_5 + C_2C_5C_6R_1R_2R_5 + C_2C_5C_6R_1R_2R_5 + C_2C_5C_6R_1R_2R_5 +$

9.2999 X-INVALID-ORDER-2999 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{1}{C_1C_2C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^3\left(C_1C_2C_5R_1R_2R_3R_4R_6 - C_1C_5C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_$

9.3000 X-INVALID-ORDER-3000 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_5 R_1 R_2 R_4 R_5 s + R_1 R_2 R_4}{s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_5 - C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_5 + C_1 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_1 R_2 R_4 R_5 + C_2 C_6 R_2 R_3 R_4 R_5 - C_5 C_6 R_2 R_3 R_4 R_5 + C_6 R_2 R_3 R_4 R_5 + C_6 R_3 R_4 R_5 + C_6 R_2 R_3 R_5 + C_6 R_2 R_3$

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9.3001 X-INVALID-ORDER-3001 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_5C_6R_1R_2R_4R_5R_6s^2 + R_1R_2R_4 + s\left(C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_4R_5 - C_1C_5C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_5 + C_1C_6R_1R_2R_4R_5 + C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_1R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_1R
9.3002 X-INVALID-ORDER-3002 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
                                        \frac{C_{5}R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+S^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}R_
9.3003 X-INVALID-ORDER-3003 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
                                                                                                                              H(s) = \frac{R_1 R_2}{s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_5 + C_1 C_6 R_1 R_2 R_5 + C_2 C_6 R_1 R_2 R_5 + C_2 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_3 R_5\right)}
9.3004 X-INVALID-ORDER-3004 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                              H(s) = \frac{C_6R_1R_2R_6s + R_1R_2}{s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_5 + C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_4C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_2R_5 + C_6R_3R_5\right)}
9.3005 X-INVALID-ORDER-3005 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 R_1 R_2 R_3 R_5 - C_1 C_6 R_1 R_2 R_3 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 + C_2 C_6 R_1 R_2 R_5 R_6 + C_2 C_6 R_2 R_3 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 + C_2 C_6 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_4 C_6 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_4 C_6 R_2 R_3 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_2 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 C_6 R_1 R_2 R_5 R_6 \right) + s \left(-C_1 R_1 R_2 R_5 R_6 + C_1 R_2 R_
9.3006 X-INVALID-ORDER-3006 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_6 + C_1 C_4 C_6 R_1 R_2 R_3 R_6 - C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_6 + C_2 C_6 R_1 R_2 R_6 + C_2 C_6 R_2 R_3 R_6 + C_4 C_6 R_2 R_3 R_6 - C_5 C_6 R_2 R_3 R_6 \right) + s \left(C_1 R_1 R_2 + C_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_3 + C
9.3007 X-INVALID-ORDER-3007 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)
H(s) = \frac{C_5 R_1 R_2 R_6 s}{R_1 + R_2 + R_3 + s^3 \left( C_1 C_2 C_5 R_1 R_2 R_3 R_5 + C_1 C_4 C_5 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 + C_1 C_5 R_1 R_2 R_3 + C_1 C_5 R_1 R_2 R_5 + C_2 C_5 R_1 R_2 R_5 + C_2 C_5 R_2 R_3 R_5 + C_4 C_5 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_2 R_3 + C_4 R_2 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_3 R_5 + C_4 C_5 R_1 R_2 R_5 + C_4 C_5 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_3 R_5 + C_4 C_5 R_1 R_2 R_5 + C_4 C_5 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_3 R_5 + C_4 C_5 R_1 R_2 R_3 + C_4 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_4 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 R_3 + C_4 R_2 R_3 R_5 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_4 R_3 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_1 R_3 + C_4 R_3 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_3 R_3 + C_4 R_3 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_3 R_3 + C_4 R_3 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_3 R_3 + C_4 R_3 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_1 R_3 R_3 + C_4 R_3 R_3 + C_4 R_3 R_3 \right) + s \left( C_1 R_1 R_2 + C_4 R_3 R_3 + C_4 R_3 R
9.3008 X-INVALID-ORDER-3008 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)
H(s) = \frac{C_5 R_1 R_2}{C_6 R_1 + C_6 R_2 + C_6 R_3 + s^3 \left(C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_5 + C_2 C_5 C_6 R_1 R_2 R_5 + C_2 C_5 C_6 R_2 R_3 R_5 + C_4 C_5 C_6 R_2 R_3 R_5 \right) + s \left(C_1 C_2 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_5 + C_2 C_5 C_6 R_1 R_2 R_5 + C_2 C_5 C_6 R_2 R_3 R_5 + C_4 C_5 C_6 R_2 R_3 R_5 \right) + s \left(C_1 C_2 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_5 + C_2 C_5 C_6 R_1 R_2 R_5 + C_4 C_5 C_6 R_2 R_3 R_5 \right) + s \left(C_1 C_2 C_6 R_1 R_2 R_3 + C_1 C_5 C_6 R_1 R_2 R_3 + C_1
9.3009 X-INVALID-ORDER-3009 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
```

 $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left(C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_6 + C_1 C_5 C_6 R_1$

9.3010 X-INVALID-ORDER-3010 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_5C_6R_1R_2R_6s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_1C_2C_5C_6R_1R_2R_3R_5 + C_1C_4C_5C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5C_6R_$

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9.3011 X-INVALID-ORDER-3011 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
                                  H(s) = \frac{C_5 R_1 R_2 R_5 s + R_1 R_2}{s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 - C_1 C_5 C_6 R_1 R_2 R_3 R_5\right) + s^2 \left(-C_1 C_6 R_1 R_2 R_3 + C_1 C_6 R_1 R_2 R_5 + C_2 C_6 R_1 R_2 R_5 + C_2 C_6 R_2 R_3 R_5 + C_4 C_6 R_2 R_3 R_5 - C_5 C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 + C_6 R_2 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5 + C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_2 R_3 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_1 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 - C_6 R_5 R_5\right) + s \left(C_6 R_5 R_5 -
9.3012 X-INVALID-ORDER-3012 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
                                   H(s) = \frac{C_5C_6R_1R_2R_5R_6s^2 + R_1R_2 + s\left(C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5 - C_1C_5C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_2C_6R_1R_2R_5 + C_2C_6R_2R_3R_5 + C_4C_6R_2R_3R_5 - C_5C_6R_2R_3R_5\right) + s\left(C_6R_1R_5 - C_6R_2R_3 + C_6R_3R_3 + 
9.3013 X-INVALID-ORDER-3013 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_5 R_1 R_2 R_5 + R_6 s + R_1 R_2 R_6}{R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 R_6 - C_1 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 R_1 R_2 R_3 R_5 - C_1 C_5 R_1 R_2 R_3 R_5 - C_1 C_6 R_1 R_2 R_3 R_5 + C_1 C_6 R_1 R_2 R_5 + 
9.3014 X-INVALID-ORDER-3014 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_4 R_1 R_2 R_4 R_6 s + R_1 R_2 R_6}{C_1 C_2 C_4 R_1 R_2 R_3 R_4 R_5 s^3 + R_1 R_5 - R_2 R_3 + R_2 R_5 + R_3 R_5 + s^2 \left(C_1 C_2 R_1 R_2 R_3 R_4 + C_1 C_4 R_1 R_2 R_3 R_5 + C_1 C_4 R_1 R_2 R_4 R_5 + C_2 C_4 R_1 R_2 R_4 R_5 + C_2 C_4 R_2 R_3 R_4 R_5\right) + s \left(-C_1 R_1 R_2 R_3 + C_1 R_1 R_2 R_5 + C_1 R_1 R_2 R
9.3015 X-INVALID-ORDER-3015 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, R_5, \frac{1}{C_6 s}\right)
H(s) = \frac{C_4R_1R_2R_4s + R_1R_2}{C_1C_2C_4C_6R_1R_2R_3R_4R_5s^4 + s^3\left(C_1C_2C_6R_1R_2R_3R_4 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_1R_2R_4R_5 + C_2C_4C_4R_4R_4R_5 + C_2C_4C_4R_4R_4R_5 + C_2C_4C_4R_4R_4R_5 + C_2C_4C_4R_4R_4R_5 + C_2C_4C_4R_4R_4R_
9.3016 X-INVALID-ORDER-3016 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_4C_6R_1R_2R_4R_6s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_6R_1R_2R_6\right)
                                         \frac{C_4C_6R_1R_2R_4R_6s^2 + R_1R_2 + s\left(C_4R_1R_2R_4 + C_6R_1R_2R_6\right)}{C_1C_2C_4C_6R_1R_2R_3R_4 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_1R_2R_4R_5 + C_2C_4C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_3R_5 + C
9.3017 X-INVALID-ORDER-3017 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{1}{C_1C_2C_4C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3(C_1C_2C_4R_1R_2R_3R_4R_5 - C_1C_4C_6R_1R_2R_3R_4R_6 + C_1C_4C_6R_1R_2R_3R_5R_6 + C_1C_4C_6R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_4R_5R_5 + C_1C_4C_6R_1R_4R_5R_5 + C_1C_4C_6R_1R_4R_5R_5 + C_1C_4C_6R_1R_4R_5R_5 + C_1C_4C_6R_1R_4R_5R_5 + C_1C_4C_6R_1R_4R_5R_5 + C_1C_4C_6R_1R_4R_5 + C_1C_4C_6R_1R_4R_5 + C_1C_4C_6R_1R_5R_5 + 
9.3018 X-INVALID-ORDER-3018 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)
                                         9.3019 X-INVALID-ORDER-3019 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_4C_5R_1R_2R_4s + C_5R_1R_2
H(s) = \frac{C_4C_5R_1R_2R_4s + C_5R_1R_2}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_1C_2C_4C_6R_1R_2R_3R_4 - C_1C_4C_5C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_3 + C_1C_4C_6R_
```

 $H(s) = \frac{C_4C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_4 + C_5C_6R_1R_2R$

9.3020 X-INVALID-ORDER-3020 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

```
9.3021 X-INVALID-ORDER-3021 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)
```

 $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_4 C_6 R_1 R_2 R_3 R_6 + C_1 C_4 C_6 R_1$

9.3022 X-INVALID-ORDER-3022
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$$

 $H(s) = \frac{1}{C_1C_2C_4C_5R_1R_2R_3R_4R_5s^4 + R_1 + R_2 + R_3 + s^3\left(C_1C_2C_4R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_3R_4 + C_1C_4C_5R_1R_2R_3R_5 + C_1C_4C_5R_1R_2R_3R_4 + C_1C_4C_$

9.3023 X-INVALID-ORDER-3023
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{1}{C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_1C_2C_4C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_3R_4 + C_1C_4C_5C_6R_1R_$

9.3024 X-INVALID-ORDER-3024
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{1}{C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_1 + C_6R_2 + C_6R_3 + s^3(C_1C_2C_4C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_4C_5C_6R_1R_2R_3$

9.3025 X-INVALID-ORDER-3025
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{C_1C_2C_4C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_1 + R_2 + R_3 + s^4(C_1C_2C_4C_5R_1R_2R_3R_4R_6 + C_1C_2C_5C_6R_1R_2R_3R_5R_6 - C_1C_4C_5C_6R_1R_2R_3R_5R_6 + C_1C_4C_5C_6R_1R_2R_3R_5R_6 + C_1C_4C_5C_6R_1R_2R_3R_5R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_4C_5C_6R_1R_3R_4R_5 + C_1C_4C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5C_5C_6R_1R_5$

9.3026 X-INVALID-ORDER-3026
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$$

 $C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + s(C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6)$

 $\frac{C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + s\left(C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_1C_2C_4R_1R_2R_3R_4R_5 - C_1C_4C_5R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_5 + C_$

9.3027 X-INVALID-ORDER-3027
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_4C_5R_1R_2R_4R_5s^2 + R_1R_2 + s\left(C_4R_1R_2R_3R_4R_5 - C_1C_4C_6R_1R_2R_3R_4R_5 - C_1C_4C_6R_1R_2R_3R_4R_5 - C_1C_4C_6R_1R_2R_3R_4 + C_1C$

9.3028 X-INVALID-ORDER-3028
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$$

 $C_4C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_2 + s^2\left(C_4C_5R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_6 + C_5C_6R_1R_2R_4R_6 + C_5C_6R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_6 + C_5C_6R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_5 + C_4C_6R_5R_5 + C_4C_6R_5R_5 + C_4C_6R_5R_5 + C_5C_6R_5 + C_5C_6R_$

 $\frac{C_4C_5C_6R_1R_2R_4R_5R_6s^3 + R_1R_2 + s^2\left(C_4C_5R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_5 + C_4C_6R_1R_4R_4R_5 + C_4C_6R_1R_4R_5 + C_4C_6R_1R_4R_5 + C_4C_6R_1R_4R_5 + C_4C_6R_1R_4R_5 + C_4C_6R_1R_4R_5$

9.3029 X-INVALID-ORDER-3029
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^4\left(C_1C_2C_4C_6R_1R_2R_3R_4R_5R_6 - C_1C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 - C_1C_4C_5R_1R_2R_3R_4R_5 - C_1C_4C_6R_1R_2R_3R_4R_5 - C_1C_4C_6R_$

9.3030 X-INVALID-ORDER-3030
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$$

 $\frac{R_{1}R_{2}R_{4}}{s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}\right)+s^{2}\left(-C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{4}C_{6}R_{2}R_{3}R_{4}R_{5}\right)+s\left(C_{6}R_{1}R_{4}R_{5}-C_{6}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}R_{5}+C_{6}R_{2}R_{3}R_{5}+C_{6}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}R_{4}+C_{6}R_{2}R_{3}R_$

- **9.3033** X-INVALID-ORDER-3033 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_5 R_1 R_2 R_3 R_4 + C_1 C_5 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_$
- **9.3034** X-INVALID-ORDER-3034 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6\right)$
- $H(s) = \frac{C_5 R_1 R_2 R_4 R_6 s}{R_1 R_4 + R_2 R_3 + R_2 R_4 + R_3 R_4 + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_4 R_1 R_2 R_3 R_4 + C_1 C_5 R_1 R_2 R_3 R_4 + C_1 C_5$
- **9.3035** X-INVALID-ORDER-3035 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_5 R_1 R_2 R_4}{C_6 R_1 R_4 + C_6 R_2 R_3 + C_6 R_2 R_4 + C_6 R_3 R_4 + s^3 \left(C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_5 C_6 R_1 R_2 R_3$
- **9.3036** X-INVALID-ORDER-3036 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_5C_6R_1R_2R_4R_6s + C_5R_1R_2R_3}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_3R_4R_5 + C_1C_4C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_$
- **9.3037** X-INVALID-ORDER-3037 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$
- $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^4\left(C_1C_2C_5C_6R_1R_2R_3R_4R_5R_6 + C_1C_4C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_$
- **9.3038** X-INVALID-ORDER-3038 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_5 R_1 R_2 R_4 R_5 s + R_1 R_2 R_4}{s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_6 R_1 R_2 R_3 R_4 R_5 C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 + C_1 C_6 R_1 R_2 R_3 R_4 R_5 + C_2 C_6 R_2 R_$
- **9.3039** X-INVALID-ORDER-3039 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_5C_6R_1R_2R_4R_5R_6s^2 + R_1R_2R_4 + s\left(C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_4C_6R_1R_2R_3R_4R_5 C_1C_5C_6R_1R_2R_3R_4R_5\right) + s^2\left(-C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_4R_5 + C_2C_6R_1R_2R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 C_5C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_2R_3R_4R_5 + C_1C_6R_1R_2R_3R_4R_5 + C_2C_6R_1R_2R_3R_4R_5 + C_2C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5\right) + s\left(C_6R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_3R_3R_4R_5 + C_3C_6R_3R_3R_4R$
- **9.3040** X-INVALID-ORDER-3040 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{R_1 R_4 R_5 R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 R_6 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_5 R_1 R_2 R_3$

9.3041 X-INVALID-ORDER-3041 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_3R_1R_2R_4R_6s}{-R_2R_4+R_2R_5+R_4R_5+s^3(C_1C_2C_6R_1R_2R_4R_5R_6+C_2C_3C_6R_1R_2R_4R_5R_6)+s^2(C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_6R_1R_2R_5+C_1C_6R_1R_2R_5+C_1C_6R_1R_2R_5+C_1C_6R_1R_2R_5+C_1C_6R_1R_2R_5+C_1C_6R_1R_2R_5+C_1C_6R_1R_2R_5+C_1C_6R$

9.3042 X-INVALID-ORDER-3042 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_1C_2C_6R_1R_2R_4R_6 + C_1C_3C_6R_1R_2R_4R_6 + C_2C_3C_6R_1R_2R_4R_6 + C_2C_3R_1R_2R_4 + C_1C_5R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_4R_6 + C_2C_6R_1R_2R_4 + C_2C_6R_1R_2R_4$

9.3043 X-INVALID-ORDER-3043 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_1C_2C_5R_1R_2R_4R_5 + C_1C_3C_5R_1R_2R_4R_5 + C_2C_3C_5R_1R_2R_4R_5 + C_1C_5R_1R_2R_4 + C_1C_5R_1R_2R_4$

9.3044 X-INVALID-ORDER-3044 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $\frac{C_{3}C_{5}R_{1}R_{2}R_{4}s}{C_{6}R_{2}+C_{6}R_{4}+s^{3}\left(C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{4}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{5}C_{6}R_$

9.3045 X-INVALID-ORDER-3045 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_5C_6R_1R_$

9.3046 X-INVALID-ORDER-3046 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{1}{R_2 + R_4 + s^4 \left(C_1 C_2 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 + C_1 C_5 C_6 R_1 R_2 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_$

9.3047 X-INVALID-ORDER-3047 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_5R$

9.3048 X-INVALID-ORDER-3048 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_{3}R_{1}R_{2}R_{6}s}{-R_{2}+R_{5}+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{5}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{5}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{2}R_{5}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{2}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{5}+C_{1}C_{4}R_{1}R_{2}R_{5}+C_{1}C_{6}R_{1}R_{2}R_{5}+C_{2}C_{6}R_{2}R_{5}R_{6}+C_{3}C_{6}R_{1$

9.3049 X-INVALID-ORDER-3049 $Z(s) = \begin{pmatrix} \frac{R_1}{C_1 R_1 s + 1}, & \frac{R_2}{C_2 R_2 s + 1}, & \frac{1}{C_3 s}, & \frac{1}{C_4 s}, & \frac{1}{C_5 s}, & \frac{R_6}{C_6 R_6 s + 1} \end{pmatrix}$

 $H(s) = \frac{C_3C_5R_1R_2R_6s^2}{s^3\left(C_1C_2C_6R_1R_2R_6 + C_1C_3C_6R_1R_2R_6 + C_1C_4C_6R_1R_2R_6 + C_2C_3C_6R_1R_2R_6 + C_2C_3C_6R_1R_2 + C_1C_3R_1R_2 + C_1C_4R_1R_2 - C_1C_5R_1R_2 + C_1C_6R_1R_6 + C_2C_3R_1R_2 + C_2C_6R_2R_6 + C_3C_6R_1R_6 + C_3C_6R_2R_6 + C_4C_6R_2R_6 - C_5C_6R_2R_6\right) + s(s) +$

9.3050 X-INVALID-ORDER-3050 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $\frac{C_{3}C_{5}R_{1}R_{2}R_{6}s^{2}}{s^{3}\left(C_{1}C_{2}C_{5}R_{1}R_{2}R_{5}+C_{1}C_{3}C_{5}R_{1}R_{2}R_{5}+C_{1}C_{4}C_{5}R_{1}R_{2}R_{5}+C_{2}C_{3}C_{5}R_{1}R_{2}R_{5}+C_{1}C_{3}R_{1}R_{2}+C_{1}C_{4}R_{1}R_{2}+C_{1}C_{5}R_{1}R_{5}+C_{2}C_{5}R_{1}R_{5}+C_{3}C_{5}R_{1}R_{5}+C_{3}C_{5}R_{1}R_{5}+C_{3}C_{5}R_{1}R_{5}+C_{3}C_{5}R_{1}R_{5}+C_{4}C_{5}R_{2}R_{5}+C_{4}C_{5}$

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9.3051 X-INVALID-ORDER-3051 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_2R_5 + C_1C_3C_5C_6R_1R_2R_5 + C_2C_3C_5C_6R_1R_2R_5 + C_2C_3C_5C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_5C_6R_1R_2 + C_1C_5C_6R_1R_2 + C_2C_5C_6R_1R_2 + C_2C_5C_
9.3052 X-INVALID-ORDER-3052 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_2C_5C_6R_1R_2R_5 + C_1C_3C_5C_6R_1R_2R_5 + C_2C_3C_5C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_
9.3053 X-INVALID-ORDER-3053 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{1}{s^4 \left( C_1 C_2 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_5 R_6 + C_2 C_3 C_5 C_6 R_1 R_2 R_5 R_6 + C_3 C_5 C_6 R_1 R_2 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 + C_1 C_3 C_5 R_1 R_2 R_5 + C_1 C_3 C_6 R_1 R
9.3054 X-INVALID-ORDER-3054 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_5s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_1C_2C_6R_1R_2R_5R_6 + C_1C_3C_6R_1R_2R_5R_6 + C_1C_5C_6R_1R_2R_5R_6 + C_2C_3C_6R_1R_2R_5R_6 + C_2C_3C_6R_1R_2R_5R_5 + C_2C_3C_6R_1R_2R_5 + C_2C_3C_6R_1R_2R
9.3055 X-INVALID-ORDER-3055 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
H(s) = \frac{C_3C_4R_1R_2R_4R_6s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_1C_2C_4R_1R_2R_4R_5 + C_1C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_1C_3R_1R_2R_5 - C_1C_4R_1R_2R_4 + C_1C_4R_1R_2R_5 + C_1C_4R_1R_2R_5 + C_2C_4R_2R_4R_5 + C_3C_4R_1R_4R_5 + C_3C_4R_4R_5 + C_3C_4R_5R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5 + C_3C_4R_5 
9.3056 X-INVALID-ORDER-3056 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_4R_1R_2R_4s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_4C_6R_1R_2R_4R_5 + C_1C_3C_4C_6R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5 + C_2C_4C_6R_1R_2R_5 + C_2C_4C_6R_1R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C_3C_4R_1R_2R_4s + C_3R_1R_2
9.3057 X-INVALID-ORDER-3057 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)
H(s) = \frac{C_3C_4C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_4C_6R_1R_2R_4R_5 + C_1C_3C_4C_6R_1R_2R_4R_5 + C_2C_3C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_4 + C_1C_4C_6R_1R_2R_5 + C_1C_4
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9.3058 X-INVALID-ORDER-3058 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $-R_2 + R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 R_6 + C_1 C_3 C_6 R_1 R_2 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_4 R_5 + C_1 C_4 C_6 R_1 R_4 R_5 + C_1 C_4 C_6 R_$

9.3059 X-INVALID-ORDER-3059 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_6s^3 + C_3C_5R_1R_2R_6s^2}{s^3\left(C_1C_2C_4R_1R_2R_4 + C_1C_3C_4R_1R_2R_4 + C_2C_3C_4R_1R_2R_4 + C_2C_3C_4R_1R_2R_4 + C_1C_3R_1R_2 + C_1C_4R_1R_2 + C_1C_4R_1R_4 + C_1C_5R_1R_2 + C_2C_4R_2R_4 + C_3C_4R_1R_4 + C_3C_4R_2R_4 + C_4C_5R_2R_4 \right) + s\left(C_1R_1 + C_2R_2 + C_3R_1R_2 + C_4C_3R_1R_2 + C_4$

9.3060 X-INVALID-ORDER-3060 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1R_2s$ $\frac{C_3C_4C_5R_1R_2R_4s + C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_4 + C_1C_3C_4C_6R_1R_2R_4 + C_2C_3C_4C_6R_1R_2R_4 + C_2C_3C_4C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_2C_4C_6R_1R_2 + C_2C_4C_6R_1R_2 + C_3C_4C_6R_1R_4 + C_3C_4C_6R_$

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9.3061 X-INVALID-ORDER-3061 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
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 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_6s^3 + C_3C_5R_1R_2s + s^2\left(C_3C_4C_5R_1R_2R_4 + C_3C_5C_6R_1R_2R_6\right)}{C_6 + s^3\left(C_1C_2C_4C_6R_1R_2R_4 + C_1C_3C_4C_6R_1R_2R_4 + C_2C_3C_4C_6R_1R_2R_4 + C_2C_3C_4C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_1C_4C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_4C_6R_2R_4 + C_3C_4C_6R_1R_4 + C$

9.3062 X-INVALID-ORDER-3062 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 R_6 - C_1 C_4 C_5 C_6 R_1 R_2 R_4 R_6 + C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_6 + C_1 C_2 C_6 R_1 R_2 R_4 + C_1 C_3 C_6 R_1 R$

9.3063 X-INVALID-ORDER-3063 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_2 C_3 C_4 C_5 R_1 R_2 R_4 + C_1 C_2 C_5 R_1 R_2 R_4 + C_1 C_3 C_5 R_1 R_2 R_4 + C_1 C_3 C_5 R_1 R_2 R_5 + C_1 C_4 C_5 R_1 R_2 R_4 + C_1$

9.3064 X-INVALID-ORDER-3064 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 + C_1 C_4 C_5 C_6 R_1 R_2 R_4 + C_1 C_4 C_5 C_6 R_1 R_2 R_4 + C_1 C_4 C_5 C_6 R_1 R_2 R_4 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C$

9.3065 X-INVALID-ORDER-3065 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{1}{C_6 + s^4 (C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_4 + C_1 C_2 C_5 C_6 R_1 R_2 R_4 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 + C_1 C_5 C_6 R_1 R_2 R_4 + C_1 C_5 C_6 R_1 R_2 R_4 + C_1 C_5 C_6 R_1 R_2 R_4 + C_1$

9.3066 X-INVALID-ORDER-3066 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 C_6 R_1$

9.3067 X-INVALID-ORDER-3067 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5R_6s^3 + C_3R_1R_2R_6s + s^2\left(C_3C_4R_1R_2R_4R_6 + C_3C_5R_1R_2R_5R_6\right)}{-R_2 + R_5 + s^3\left(C_1C_2C_4R_1R_2R_4R_5 + C_1C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_2C_3R_1R_2R_5 + C_2$

9.3068 X-INVALID-ORDER-3068 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_4R_5 + C_4C_6R_1R_2R_4R_5 + C_4C_6R_1R_2R_4 + C_4C_6R$

9.3069 X-INVALID-ORDER-3069 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_4R_5R_6s^3 + C_3R_1R_2 + s^2\left(C_3C_4C_5R_1R_2R_4R_5 + C_3C_4C_6R_1R_2R_4R_6 + C_3C_5C_6R_1R_2R_5R_6\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_4C_6R_1R_2R_4R_5 + C_1C_3C_4C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_4R_5 + C_1C_4C_6R$

9.3070 X-INVALID-ORDER-3070 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-}{-R_2 + R_5 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 - C_1 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_4 C_6 R_1 R_2 R_4 R_5 R_6 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_5 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_5 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_3 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_4 R_5 - C_1 C_4 C_6 R_1 R_2 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 R_1 R$

9.3071 X-INVALID-ORDER-3071 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_4 R_6 s}{-R_2 R_4 + R_2 R_5 + R_4 R_5 + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_4 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_4 R_1 R_2 R_4 R_5 + C_1 C_4 R_1 R_2 R_4 R_5 + C_1 C_6 R_1 R_2 R_4$

9.3072 X-INVALID-ORDER-3072 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\frac{C_{3}C_{5}R_{1}R_{2}R_{4}R_{6}s^{2}}{R_{2}+R_{4}+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{4}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{4}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{2}R_{4}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{2}R_{4}+C_{1}C_{3}R_{1}R_{2}R_{4}+C_{1}C_{5}R_{1}R_{2}R_{4}+C_{1}C_{5}R_{1}R_{2}R_{4}+C_{1}C_{6}R_{1}R_{2}R_{4}+C$

9.3073 X-INVALID-ORDER-3073 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_1C_2C_5R_1R_2R_4R_5 + C_1C_3C_5R_1R_2R_4R_5 + C_2C_3C_5R_1R_2R_4R_5 + C_2C_3C_5R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_1C_5R_1R_2R_4 + C_1C_5R_1R_2$

9.3074 X-INVALID-ORDER-3074 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 + C_1C_$

9.3075 X-INVALID-ORDER-3075 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_5C_6R_1R_2R_4R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_5C_6R_1R_2R_4 +$

9.3076 X-INVALID-ORDER-3076 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{R_2 + R_4 + s^4 \left(C_1 C_2 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_4 R_5 R_6 + C_2 C_3 C_5 C_6 R_1 R_2 R_4 R_5 R_6 \right) \\ + s^3 \left(C_1 C_2 C_5 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 +$

9.3077 X-INVALID-ORDER-3077 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_2C_6R_1R_2R_4R_5R_6 + C_1C_3C_6R_1R_2R_4R_5R_6 + C_1C_5C_6R_1R_2R_4R_5R_6 + C_2C_3C_6R_1R_2R_4R_5 + C_1C_3R_1R_2R_4R_5 + C_1C_3R$

9.3078 X-INVALID-ORDER-3078 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, R_6\right)$

 $\frac{C_{3}R_{1}R_{2}R_{4}R_{6}s}{C_{1}C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}s^{3}-R_{2}R_{4}+R_{2}R_{5}+R_{4}R_{5}+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{4}R_{5}-C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{2}R_{3}R_{4}R_{5}\right)+s\left(-C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{2}R_{5}+C_{1}R_{1}R_{4}R_{5}+C_{2}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{2}R_{3}R_{4}R_{5}\right)+s\left(-C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{2}R_{5}+C_{1}R_{1}R_{4}R_{5}+C_{2}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{2}R_{3}R_{4}R_{5}\right)+s\left(-C_{1}R_{1}R_{2}R_{4}+C_{1}R_{1}R_{2}R_{5}+C_{1}R_{1}R_{4}R_{5}+C_{2}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{4}R_{5}+C_{2}C_{3}R_{2}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}R_{4}+C_{2}C_{3}R_{2}R_{3}+C_{2}C_{3}R_{2}R_{3}+C_{2}C_{3}R_{2}R_{3}+C_{2}C_{3}R_{2}R_{3}+C_{2}C_{3}R_{2}R_{3}+C_{2}C_{3}R_{2}R_{3}+C_{2}C_{3}R_{2}R_$

9.3079 X-INVALID-ORDER-3079 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3 R_1 R_2 R_4}{C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 s^3 - C_6 R_2 R_4 + C_6 R_2 R_5 + C_6 R_4 R_5 + s^2 \left(C_1 C_2 C_6 R_1 R_2 R_4 R_5 - C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_2 R_3 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_2 R_4 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5 + C_2 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 + C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_4\right) + s \left(-C_1 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1$

9.3080 X-INVALID-ORDER-3080 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, R_6 + \frac{1}{C_6s}\right)$

 $C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4$ $H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{C_1C_2C_3C_6R_1R_2R_3R_4R_5s^3 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 - C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + C_2C_$

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9.3081 X-INVALID-ORDER-3081 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)
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 $H(s) = \frac{1}{C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6s^4 - R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_6 + C_1C_3C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_6R_1R_2R_4R_5R_6 + C_1C_3C_6R_1R_2R_4R_5R_5 + C_1C_3C_6R_1R_2R_4R_5R_5 + C_1C_3C_6R_1R_2R_5R_5 + C_1C_3C_6R_1R_2R_5R_5 + C_1C_3C_6R_1R_2R_5 + C_$

9.3082 X-INVALID-ORDER-3082
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6\right)$$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 - C_1C_3C_5R_1R_2R_3R_4\right) + s^2\left(C_1C_2R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_2C_3R_1R_2R_4 + C_2C_3R_2R_3R_4 - C_3C_5R_2R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_2R_2R_4 + C_3R_1R_2R_4 + C_3R_2R_3 + C_3R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_2R_2R_4 + C_3R_1R_2R_4 + C_3R_2R_3 + C_3R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_2R_2R_4 + C_3R_1R_4 + C_3R_2R_4 + C_3R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_1R_4 + C_2R_2R_4 + C_3R_1R_4 + C_3R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_3R_4 + C_3R_3R_4 + C_3R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_3R_4 + C_3R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_3R_4 + C_3R_3R_4\right) + s\left(C_1R_1R_2 + C_1R_3R_4\right) + s\left(C_1R_1R_2$

9.3083 X-INVALID-ORDER-3083
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 - C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 - C_3C_5C_6R_2R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_2C_3C_6R_2R_3R_4 + c_2C_3C_6R_2R_3R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C$

9.3084 X-INVALID-ORDER-3084
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 - C_1C_3C_5C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_1R_2R_4 + C_2C_3C_6R_1R_2R_4 + C_$

9.3085 X-INVALID-ORDER-3085
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$$

 $H(s) = \frac{1}{R_2 + R_4 + s^4 (C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_4 R_6 + C_1 C_3 C_6 R_1 R_2 R_4$

9.3086 X-INVALID-ORDER-3086
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_5R_1R_2R_3R_4R_5s^4 + R_2 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_2C_5R_1R_2R_4R_5 - C_1C_3C_5R_1R_2R_3R_4 + C_1C_3C_5R_1R_$

9.3087 X-INVALID-ORDER-3087
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_1R_2R_4R_5 + C_$

9.3088 X-INVALID-ORDER-3088
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5s^4 + C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_2C_5C_6R_1R_2R_3R_4 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_1C_3C_5C_6R_1R_2R_4R_5 + C_2C_3C_5C_6R_1R_2R_4R_5 + C_$

9.3089 X-INVALID-ORDER-3089
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{C_1C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6s^5 + R_2 + R_4 + s^4(C_1C_2C_3C_5R_1R_2R_3R_4R_5 + C_1C_2C_3C_6R_1R_2R_4R_5R_6 - C_1C_3C_5C_6R_1R_2R_3R_4R_6 + C_1C_3C_5C_6R_1R_3R_4R_6 +$

9.3090 X-INVALID-ORDER-3090
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$$

 $C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s$ $-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_3R_1R_2R_4R_5 + C_1C_3R_1R_2R_4R_5 + C_1C_3R_1R_2R_4R_5 + C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C$ **9.3091** X-INVALID-ORDER-3091 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4$

 $H(s) = \frac{C_3C_5R_1R_2R_4R_5s + C_3R_1R_2R_4}{-C_6R_2R_5 + C_6R_4R_5 + S^3\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_4R_5 - C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R$

9.3092 X-INVALID-ORDER-3092 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s(C_3C_5R_1R_2R_4R_5 + C_3C_5R_1R_2R_4R_5 + C_3C_5R_1R_2R_4 + c_3C_5R_1R_2R_4R_5 + C_3C_5R_1R_2R_4R_5 + C_3C_5R_1R_2R_4 + c_3C_5R_5R_5R_5 + c_3C_5R_5R_5 + c_3C_5R_5R_5 + c_3C_5R_5 + c_3C_5R_$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + c_6R_4R_5 + c_6R_5R_5 + c_6R_5R_5$

9.3093 X-INVALID-ORDER-3093 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-R_2R_4 + R_2R_5 + R_4R_5 + s^4\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6 - C_1C_3C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_3R_5$

9.3094 X-INVALID-ORDER-3094 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6\right)$

9.3095 X-INVALID-ORDER-3095 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3 R_1 R_2}{-C_6 R_2 + C_6 R_5 + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_5\right) + s^2 \left(C_1 C_2 C_6 R_1 R_2 R_3 + C_1 C_3 C_6 R_1 R_2 R_5 + C_1 C_3 C_6 R_1 R_2 R_5 + C_2 C_3 C_6 R_1 R_2 R_5 + C_2 C_3 C_6 R_2 R_3 R_5 + C_3 C_4 C_6 R_2 R_3 R_5\right) + s \left(-C_1 C_6 R_1 R_2 R_5 + C_1 C_3 C_6 R_1 R_$

9.3096 X-INVALID-ORDER-3096 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_6s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_5 + C_1C_3C_6R_1R_2R_5 + C_2C_3C_6R_1R_2R_5 + C_2C_3C_6R_1R_2R_5$

9.3097 X-INVALID-ORDER-3097 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{-R_2 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_5 R_6 + C_1 C_3 C_4 R_1 R_2 R_3 R_5 - C_1 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_6 R_1 R_2 R_5 R_6 + C_1 C_3 C_6$

9.3098 X-INVALID-ORDER-3098 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$

 $\frac{C_{3}C_{5}R_{1}R_{2}R_{6}s^{2}}{s^{3}\left(C_{1}C_{2}C_{3}R_{1}R_{2}R_{3}+C_{1}C_{3}C_{4}R_{1}R_{2}R_{3}-C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}\right)+s^{2}\left(C_{1}C_{2}R_{1}R_{2}+C_{1}C_{3}R_{1}R_{2}+C_{1}C_{3}R_{1}R_{3}+C_{1}C_{4}R_{1}R_{2}-C_{1}C_{5}R_{1}R_{2}+C_{2}C_{3}R_{2}R_{3}+C_{3}C_{5}R_{2}R_{3}\right)+s\left(C_{1}R_{1}+C_{2}R_{2}+C_{3}R_{1}+C_{3}R_{2}+C_{3}R_{3}+C_{4}R_{2}-C_{5}R_{2}\right)+1}$

9.3099 X-INVALID-ORDER-3099 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

9.3100 X-INVALID-ORDER-3100 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1R_2s$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_6s^- + C_3C_5R_1R_2s}{C_6 + s^3\left(C_1C_2C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_1C_3C_6R_1R_3 + C_1C_4C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3 \right) + s\left(C_1C_6R_1 + C_2C_6R_1R_2 + C_1C_3C_6R_1R_3 + C_1C_4C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3 \right) + s\left(C_1C_6R_1 + C_2C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3 \right) + s\left(C_1C_6R_1 + C_2C_6R_1R_2 + C_1C_3C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_3C_4C_6R_2R_3 - C_3C_5C_6R_2R_3 + s\left(C_1C_6R_1 + C_2C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_1R_2 + C_2C_3C_6R_2R_3 + C_3C_4C_6R_2R_3 + C_3C_4C_6R_3R_3 + C_3C_4C_6R_$

- **9.3101** X-INVALID-ORDER-3101 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_6 C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_6 R_1 R_2 R_6 +$
- **9.3102** X-INVALID-ORDER-3102 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_2 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 + C_1 C_3 C_5 R$
- **9.3103** X-INVALID-ORDER-3103 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_2 C_5 C_6 R_1 R_2 R_3 C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 + C_1 C_3 C_5 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_5 \right) + s^3 \left(C_1 C_2 C_3 C$
- **9.3104** X-INVALID-ORDER-3104 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 + C_1 C_2 C_5 C_6 R_1 R_2 R_3 + C_1 C_3 C_5 C_6 R_1 R_2 R_3$
- **9.3105** X-INVALID-ORDER-3105 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 \right) + s^4 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_5 R_1 R_2 R_3 R_5$
- **9.3106** X-INVALID-ORDER-3106 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
- $H(s) = \frac{C_3C_5R_1R_2R_5R_6s^2 + C_3R_1R_2R_5s^2 + C_3R_1R_2R_6s}{-R_2 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_5 + C_1C_3C_4R_1R_2R_3R_5 C_1C_3C_5R_1R_2R_3R_5 + C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_1C_3R_1R_2R_5 + C_2C_3R_1R_2R_5 + C_2C_3R_2R_3R_5 + C_3C_4R_2R_3R_5 C_3C_5R_2R_3R_5\right) + s\left(-C_3C_3R_1R_2R_3R_5 + C_3C_3R_1R_2R_3R_5 + C_3C_3R_1R_2R_3R_5 + C_3C_3R_1R_2R_5 + C_3C_3R_3R_5 + C_3C_3R_3R_5 + C_3C_3R_3R_5 + C_3C_3R_3R_5 + C_3C_3R_3R_5$
- **9.3107** X-INVALID-ORDER-3107 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$
- $H(s) = \frac{C_3C_5R_1R_2R_5s + C_3R_1R_2}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_5 C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R$
- **9.3108** X-INVALID-ORDER-3108 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_5 + C_1C_3C_6R_1$
- **9.3109** X-INVALID-ORDER-3109 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-R_2 + R_5 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_5 R_6 C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_5 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C_6 R_1 R_2 R_3 R_5 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 C_1 C_3 C$
- **9.3110** X-INVALID-ORDER-3110 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4R_1R_2R_3R_4R_5s^4 R_2 + R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_5 + C_1C_2C_4R_1R_2R_4R_5 C_1C_3C_4R_1R_2R_3R_4 + C_1C_3C_4R_1R_2R_4R_5 + C_1C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_2R_4R_5 + C_2C_3C_4R_1R_$

- **9.3111** X-INVALID-ORDER-3111 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5s^4 C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_4R_5 + C_$
- **9.3112** X-INVALID-ORDER-3112 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5s^4 C_6R_2 + C_6R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_3R_4 + C_1C_3C_4C_6R_1R_3R_4 + C_1C_3C_4C_6R_1R_3R_4 + C_1C_3C_4C_6R_1R_3C_4C_6R_1R_3R_4 + C_1C_3C_4C_6R_1R_3C_4C_6R_1R_3C_4C_6R_1R_3C_4C_6R_1R_3C_4C_6R_1R_3C_4C_6R_1R_3C_4C_6R_1R_3C_4C_6R_1R_3C_4C_6R_$
- **9.3113** X-INVALID-ORDER-3113 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5R_6s^5 R_2 + R_5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4R_5 + C_1C_2C_4C_6R_1R_2R_3R_4R_6 + C_1C_3C_4C_6R_1R_2R_3R_5R_6 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_5R_5 + C_1C_3C_4C_6R_1R_3R_5R_5 + C_1C_3C_4C_6R_1R_3R_5R_5 + C_1C_3C_4C_6R_1R_3R_5R_5 + C_1C_3C_4C_6R_1R_3R_5R_5 + C_1C_3C_4C_6R_1R_3R_5R_5 + C_1C_3C_4C_6R_1R_5R_5 + C_1C_3C_4C_6R_1R_5R_5 + C_1C_3C_4C_6R_1R_5R_5 + C_1C_3C_4C_6R_1R_5 + C_1C_3C_4C_6R_1R_5 + C_1C_3C_4C_6R_1R_5 + C_1C_3C_4C_6R_1R_5 + C_1C_$
- **9.3114** X-INVALID-ORDER-3114 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{C_3C_4C_5R}{s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 C_1C_3C_4C_5R_1R_2R_3R_4 + C_1C_3C_4R_1R_2R_3 + C_1C_3C_4R_1R_2R_4 + C_1C_3C_4R_$
- **9.3115** X-INVALID-ORDER-3115 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 + C_1 C_3 C_4 C_6 R_1 R_2 R_4$
- **9.3116** X-INVALID-ORDER-3116 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_6 + s^4 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 + C_1 C_3 C_4 C_6 R_1 R_2 R_4 + C_1 C_3 C_4 C_6 R_1 R_2 R_4$
- **9.3117** X-INVALID-ORDER-3117 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_6 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_6 + C_1 C_3$
- **9.3118** X-INVALID-ORDER-3118 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5s^5 + s^4\left(C_1C_2C_3C_4R_1R_2R_3R_4 + C_1C_2C_3C_5R_1R_2R_3R_5 + C_1C_3C_4C_5R_1R_2R_3R_4 + C_1C_3C_4C_5R_1R_2R_3R_5 + C_1C_3C_4C_5R_1R_2R_3R_5 + C_1C_3C_4C_5R_1R_2R_3R_4 + C_1C_3C_4C_5R_1R_2R_3R_5 + C_1C_3C_4C_5R_1R_2R_$
- **9.3119** X-INVALID-ORDER-3119 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4(C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_4C_5C_6R_1R_2R_3R_4 + C_1C_3C_4C_5C_6R_1R_2R_3R_5 + C_1C_3C_4C_5C_6R_1R_3R_3R_5 + C_1C_3C_4C_5C_6R_1R_3R_3R_5 + C_1C_3C_4C_5C_6R_1R_3R_5C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_5C_6R_1R_3C_5C_5C_6R_1R_3C_5C_5C_6R_1R_3$
- **9.3120** X-INVALID-ORDER-3120 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5s^5 + C_6 + s^4(C_1C_2C_3C_4C_6R_1R_2R_3R_4 + C_1C_2C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_4C_5C_6R_1R_2R_3R_4 + C_1C_3C_4C_5C_6R_1R_2R_3R_5 + C_1C_3C_4C_5C_6R_1R_3R_3R_5 + C_1C_3C_4C_5C_6R_1R_3R_3R_5 + C_1C_3C_4C_5C_6R_1R_3R_5C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_6R_1R_3C_5C_5C_6R_1R_3C_5C_5C_6R_1R_3C_5C_5C_5C_6R_1$

- **9.3121** X-INVALID-ORDER-3121 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{C_1C_2C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^6 + s^5\left(C_1C_2C_3C_4C_5R_1R_2R_3R_4R_5 + C_1C_2C_3C_4C_6R_1R_2R_3R_4R_6 + C_1C_2C_4C_5C_6R_1R_2R_3R_4R_6 + C_1C_3C_4C_5C_6R_1R_2R_3R_4R_6 + C_1C_3C_4C_5C_6R_1R_2R_3R_5C_5C_6R_1R_2R_5C_5C_6R_1R_2R_5C_5C_6R_1R_2R_5C_5C_5C_6R_1R_2R_5C_5C_5C_6R_1R_$
- **9.3122** X-INVALID-ORDER-3122 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
- $H(s) = \frac{-R_2 + R_5 + s^4 \left(C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 R_5 C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5\right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 R_1 R_2 R_3 R_4 + C_1 C_3 C_4 R_1 R_2 R_3 R_5 + C_1 C_3 C_4 R_1 R_2 R_4 R_5 C_1 C_3 C_4 R_1 R_2 R_3 R_5 + C_1 C_3 C_4$
- **9.3123** X-INVALID-ORDER-3123 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{-}{-C_6R_2 + C_6R_5 + s^4\left(C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 C_1C_3C_4C_6R_1R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_2C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1$
- **9.3124** X-INVALID-ORDER-3124 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{-}{-C_6R_2 + C_6R_5 + s^4\left(C_1C_2C_3C_4C_6R_1R_2R_3R_4R_5 C_1C_3C_4C_6R_1R_2R_3R_4R_5\right) + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_2R_3R_4 + C_1C_3C_4C_6R_1R_2R_3R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_4R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1C_3C_4C_6R_1R_3R_5 + C_1$
- **9.3125** X-INVALID-ORDER-3125 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-R_2 + R_5 + s^5 \left(C_1 C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 R_6 C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_4 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_5 C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3$
- **9.3126** X-INVALID-ORDER-3126 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6\right)$
- $H(s) = \frac{C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_3R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_5 + C_1C_3R_1R_2R_4R_5 + C_1C_3R_1R_2R_4R_5 + C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_3R_1R_2R_4R_5 + C_2C_3R_2R_4R_5 + C_2C$
- **9.3127** X-INVALID-ORDER-3127 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3 R_1 R_2 R_4}{-C_6 R_2 R_5 + C_6 R_4 R_5 + s^3 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_4 R_5 + C_1 C_3 C_6 R_1 R_2 R$
- **9.3128** X-INVALID-ORDER-3128 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3C_6R_1R_2R_4R_6s + C_3R_1R_2R_4}{-C_6R_2R_5 + C_6R_4R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R$
- **9.3129** X-INVALID-ORDER-3129 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{-R_2R_4 + R_2R_5 + R_4R_5 + s^4\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R$
- **9.3130** X-INVALID-ORDER-3130 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{C_3C_5R_1R_2R_4R_6s^2}{R_2 + R_4 + s^3\left(C_1C_2C_3R_1R_2R_3R_4 + C_1C_3C_4R_1R_2R_3R_4 + C_1C_3R_1R_2R_3 + C_1C_3R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_1C_3R_1R_2R_4 + C_2C_3R_1R_2R_4 + C_2C_3R_1R_2R_4 + C_2C_3R_2R_3R_4 + C_3C_3R_2R_3R_4 + C_3C_3R_3R_4 + C_3C_3R_3$

9.3131 X-INVALID-ORDER-3131 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_4 + C_1C_3C_6R_$

9.3132 X-INVALID-ORDER-3132 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_1R_2R_4s}{C_6R_2 + C_6R_4 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_4 + C_1C_$

9.3133 X-INVALID-ORDER-3133 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_2 + R_4 + s^4 \left(C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 - C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_6 \right) + s^3 \left(C_1 C_2 C_3 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_3 R_4 +$

9.3134 X-INVALID-ORDER-3134 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$

 $\overline{R_2 + R_4 + s^4 \left(C_1 C_2 C_3 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 + C_1 C_2 C_5 R_1 R_2 R_3 R_4 + C_1 C_3 C_5 R_1 R_3 R_4 + C_1 C_5 R_1 R_3$

9.3135 X-INVALID-ORDER-3135 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

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

9.3136 X-INVALID-ORDER-3136 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $\frac{1}{C_{6}R_{2}+C_{6}R_{4}+s^{4}\left(C_{1}C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_$

9.3137 X-INVALID-ORDER-3137 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_2 + R_4 + s^5 \left(C_1 C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R$

9.3138 X-INVALID-ORDER-3138 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $\frac{C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4R_6s}{-R_2R_4 + R_2R_5 + R_4R_5 + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3R_1R_2R_3R_4 + C_1C_3R_1R_2R_$

9.3139 X-INVALID-ORDER-3139 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^3\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_3R_4R_5 - C_1C_3C_6R_1R_2R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_3C$

9.3140 X-INVALID-ORDER-3140 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

 $\frac{C_3C_5C_6R_1R_2R_4R_5}{-C_6R_2R_5+C_6R_4R_5+S^3\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5+C_1C_3C_6R_1R_2R_3R_4R_5-C_1C_3C_6R_1R_2R_3R_4+C_1C_3C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_6R_1R_2R_3C_5C_5C_6R_1R_2R_3C_5C_5C_6R_1R_2R_3$

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9.3141 X-INVALID-ORDER-3141 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
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 $H(s) = \frac{-R_2R_4 + R_2R_5 + R_4R_5 + s^4\left(C_1C_2C_3C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_1R_2R_3R_4R_5R_6 - C_1C_3C_5C_6R_1R_2R_3R_4R_5R_6\right) + s^3\left(C_1C_2C_3R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3C_4R_1R_2R_3R_4R_5 - C_1C_3C_5R_1R_2R_3R_4R_5 - C_1C_3$

9.3142 X-INVALID-ORDER-3142 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{1}{C_6s}\right)$

 $\frac{C_{3}R_{1}R_{2}R_{3}R_{4}s+R_{1}R_{2}R_{4}}{s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}\right)+s^{2}\left(-C_{1}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}+C_{1}C_{6}R_{1}R_{2}R_{3}+C_{1}C_{6}R_{1}R_{2}+C_{1}C_{6}R_{1}R_{2}+C_{1}C_{6}R_{1}R_{2}+C_{1}$

9.3143 X-INVALID-ORDER-3143 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_3R_4R_6s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_6R_1R_2R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_2C_3C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4R_5 + C_2C_6R_1R_2R_3R_4R_5 + C_2C_6R_1R_2R_3R_4R_5 + C_3C_6R_1R_3R_4R_5 + C_3C_6R_1R_3R_4R$

9.3144 X-INVALID-ORDER-3144 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $\overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{6}R_{1}R_{2}R_$

9.3145 X-INVALID-ORDER-3145 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_3C_5R_1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^3\left(C_1C_2C_6R_1R_2R_3R_4R_6 + C_1C_3C_6R_1R_2R_3R_4R_6 + C_2C_3C_6R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_5R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3$

9.3146 X-INVALID-ORDER-3146 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6\right)$

 $\frac{C_3C_5R_1R_2R_3R_4R_6s^2 + C_5R_6s^2 +$

9.3147 X-INVALID-ORDER-3147 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

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

9.3148 X-INVALID-ORDER-3148 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $\frac{\cup_{3}\cup_{5}\cup_{6}\kappa_{5}}{C_{6}R_{1}R_{4}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{4}+C_{6}R_{3}R_{4}+s^{3}\left(C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{5}C_{6}R$

9.3149 X-INVALID-ORDER-3149 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^4\left(C_1C_2C_5C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_5C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_5C_6R_1R_2R_3R_4R_5 + C_1C_2C_6R_1R_2R_3R_4R_6 + C_1C_3C_5R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_1C_3C_5R_3R_4R_5 + C_1C_3C_5R_3R_5 + C_1C_3C_5R_5R_5 + C_$

9.3150 X-INVALID-ORDER-3150 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$

 $C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)$

 $c_{3}c_{5}n_{1}n_{2}n_{3}n_{4}n_{5}s + n_{1}n_{2}n_{4} + s \\ (c_{3}n_{1}n_{2}n_{3}n_{4} + c_{5}n_{1}n_{2}n_{4}n_{5})$ $s^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{2}C_{$

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9.3151 X-INVALID-ORDER-3151 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
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 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_3R_4 + C_5R_1R_2R_4R_5 + C_6R_1R_2R_4R_5 + C_6R_1R_2R_4R_5 + C_6R_1R_2R_3R_4R_5 + C_6R_1R_2R_3R$

9.3152 X-INVALID-ORDER-3152 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + R_3 R_4 R_5 + R_3 R_4 R_5 + R_3 R_4 R_5 R_6 + C_1 C_3 C_6 R_1 R_2 R_3 R_4 R_5 R_6 - C_1 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 R_1 R_2 R_3 R_4 R_5 - C_1 C_5 R_1 R_2 R_5 - C_1 C_5 R_1$

9.3153 X-INVALID-ORDER-3153 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3R_1R_2R_3s + R_1R_2}{s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_$

9.3154 X-INVALID-ORDER-3154 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_6R_1R_2R_3R_6s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_6R_1R_2R_6\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R$

9.3155 X-INVALID-ORDER-3155 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_1C_2C_6R_1R_2R_3R_5R_6 + C_1C_3C_6R_1R_2R_3R_5R_6 + C_2C_3C_6R_1R_2R_3R_5R_6\right) + s^2\left(C_1C_2R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 + C_1C_6R_1R_2R_3R_5 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_2R_5 + C_1C$

9.3156 X-INVALID-ORDER-3156 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_3R_6 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_3C_6R_1R_2R_3R_6 + C_1C_3R_1R_2R_3 + C$

9.3157 X-INVALID-ORDER-3157 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_3R_6s^2 + C_5R_1R_2R_3R_5s^2 + C_5R_1R_2R_3R_5s$

9.3158 X-INVALID-ORDER-3158 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3}{C_6R_1 + C_6R_2 + C_6R_3 + s^3\left(C_1C_2C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_2C_3C_5C_6R_1R_2R_3R_5 + C_2C_3C_5C_6R_1R_2R_3R_5 + C_2C_3C_5C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_1C_5$

9.3159 X-INVALID-ORDER-3159 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_1C_3C_5C_6R_1R_2R_3R_5 + C_2C_3C_5C_6R_1R_2R_3R_5 + s_3C_3C_5C_6R_1R_2R_3 + c_3C_5C_6R_1R_2R_3 + c_3C_5C_6R_1R_2R_3$

9.3160 X-INVALID-ORDER-3160 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$

 $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left(C_1 C_2 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_2 C_3 C_5 C_6 R_1 R_2 R_3 R_5 R_6 + C_1 C_2 C_5 R_1 R_2 R_3 R_5 + C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_3 C_5 R_1 R_2 R_3 R$

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9.3161 X-INVALID-ORDER-3161 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_5s^2 + R_1R_2 + s\left(C_3R_1R_2R_3 + C_5R_1R_2R_5\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3R_5 + C_1C_5C_6R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_5\right) + s^2\left(-C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_3 + C_2C_6R_1R_2R_3 + C_3C_6R_1R_2R_3 + C_3C_6R_1R_3 + C_3C_
9.3162 X-INVALID-ORDER-3162 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_3R_5R_6s^3 + R_1R_2 + s^2\left(C_3C_5R_1R_2R_3R_5 + C_3C_6R_1R_2R_3R_6 + C_5C_6R_1R_2R_3R_6 + C_5C_6R_1R_2R_3 + C_5R_1R_2R_3 + C_5R_1R_2R_3 + C_5R_1R_2R_5 + C_6R_1R_2R_6\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_5 + C_1C_3C_6R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_5 + C_2C_3C_6R_1R_2R_3R_5 + C_2C_6R_1R_2R_3 + C_5C_6R_1R_2R_3 + C_
9.3163 X-INVALID-ORDER-3163 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{1}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^3\left(C_1C_2C_6R_1R_2R_3R_5R_6 + C_1C_4C_6R_1R_2R_3R_5R_6 + C_1C_5C_6R_1R_2R_3R_5R_6 + C_1C_5C_6R_1R_2R_3R_5R_6 + C_1C_5C_6R_1R_2R_3R_5R_6 + C_1C_3R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 + C_1C_4R_
9.3164 X-INVALID-ORDER-3164 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \frac{C_{3}C_{4}R_{1}R_{2}R_{3}R_{4}R_{6}s^{2} + R_{1}R_{2}R_{6} + s\left(C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{4}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{4}R_{1}R_{2}R_{3}R_{5} + C_{1}C_{4}R_{1
9.3165 X-INVALID-ORDER-3165 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{1}{C_6s}\right)
H(s) = \frac{1}{s^4 \left( C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R
9.3166 X-INVALID-ORDER-3166 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, R_6 + \frac{1}{C_6s}\right)
                                              \frac{C_3C_4C_6R_1R_2R_3R_4R_6s^3 + R_1R_2}{s^4\left(C_1C_2C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_4C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_4 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R_4 + C_1C_4C_6R_1R_2R_3R_5 + C_1C_4C_6R_1R_2R_3R
9.3167 X-INVALID-ORDER-3167 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5, \frac{R_6}{C_6R_6s+1}\right)
H(s) = \frac{1}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^4\left(C_1C_2C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_4R_1R_2R_3R_4R_5 + C_1C_3C_
9.3168 X-INVALID-ORDER-3168 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6\right)
                                              \frac{C_{3}C_{4}C_{5}R_{1}R_{2}R_{3}R_{4}R_{6}s^{3} + C_{5}R_{1}R_{2}R_{6}s + s^{2}\left(C_{3}C_{5}R_{1}R_{2}R_{3}R_{6} + C_{4}C_{5}R_{1}R_{2}R_{3}R_{6} + C_{4}C_{5}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{4}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{4}C_{5}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{4}R_{1}R_{2}R_{3} + C_{1}C_{4}R_{1}R_{2}R_{3
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9.3170 X-INVALID-ORDER-3170 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4s^2 + C_5R_1R_2 + S_5R_1R_2 + S_5R$

 $C_3C_4C_5R_1R_2R_3R_4s^2 + C_5R_1R_2 +$

 $C_3C_4C_5C_6R_1R_2R_3R_4R_6s^3 + C_5R_1R_2 + s^2(C_3C_4C_5R_1R_2R_3R_4 + C_3C_5C_6R_1R_2R_3R_4 + C_3C_5C_6R_3R_5 + C_5C_6R_5R_5 + C_5C_6R_5R_5 + C_5C_6R_5R_5 + C_5C_6R_5 + C_5C_5C_5 + C_5C_5 + C_5C_5C_5 + C_5C_5C_5 + C_5C_5C_5 + C_5C_5 + C_5$ $\frac{C_3C_4C_5C_6R_1R_2R_3R_4+C_5R_1R_2R_3R_4+C$

9.3169 X-INVALID-ORDER-3169 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{1}{C_6s}\right)$

- **9.3171** X-INVALID-ORDER-3171 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_6 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_2 C_6 R_1 R_2 R_3 R_4 + C_1 C_3 C_6 R_1 R_2 R_3 R$
- **9.3172** X-INVALID-ORDER-3172 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6\right)$
- $H(s) = \frac{H(s)}{R_1 + R_2 + R_3 + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) + s^3 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_4 + C_1 C_3 C_5 R_1 R_2 R_3 R_4 + C_1 C_$
- **9.3173** X-INVALID-ORDER-3173 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_{6}R_{1} + C_{6}R_{2} + C_{6}R_{3} + s^{4}\left(C_{1}C_{2}C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{2}C_{3}C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}C_{5}C_{6}R_{1}R$
- **9.3174** X-INVALID-ORDER-3174 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{C_{6}R_{1} + C_{6}R_{2} + C_{6}R_{3} + s^{4}\left(C_{1}C_{2}C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{2}C_{3}C_{4}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}C_{5}C_{6}R_{1}R$
- **9.3175** X-INVALID-ORDER-3175 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{R_1 + R_2 + R_3 + s^5 \left(C_1 C_2 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_1 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 + C_2 C_3 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 R_6 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 C_5 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_5 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 R_5 R_4 R_5 \right) \\ + s^4 \left(C_1 C_2 C_4 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^4 \left(C_1$
- **9.3176** X-INVALID-ORDER-3176 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$
- $H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4R_5R_6s^3 + R_1R_2R_6 + s^2\left(C_3C_4R_1R_2R_3R_4R_5 + R_5R_6s^3 + R_1R_2R_6 + s^2\left(C_3C_4R_1R_2R_3R_4R_5 + R_5R_5R_5 + R_3R_5 + R_3R_5$
- **9.3177** X-INVALID-ORDER-3177 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{1}{C_6s}\right)$
- $H(s) = \frac{1}{s^4 \left(C_1 C_2 C_4 C_6 R_1 R_2 R_3 R_4 R_5 + C_1 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 C_1 C_4 C_5 C_6 R_1 R_2 R_3 R_4 R_5 + C_2 C_3 C_4 C_6 R_1 R_2 R_3 R_4 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_4 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 + C_1 C_4 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^3 \left(C_1 C_2 C_6 R_1 R_2 R_3 R_5 \right) \\ + s^$
- **9.3178** X-INVALID-ORDER-3178 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3C_4C_5C_6R_1R_2R_3R_4R_5R_6s^4 + R_1R_2 + s^3\left(C_3C_4C_5R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_2R_3R_4R_5 + C_3C_4C_6R_1R_$
- 9.3179 X-INVALID-ORDER-3179 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4 + \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$
- $H(s) = \frac{1}{R_1R_5 R_2R_3 + R_2R_5 + R_3R_5 + s^4\left(C_1C_2C_4C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_4C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_4C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_4R_4R_3R_4R_5R_6 + C_2C_3C_4C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_4C_6R_1R_$
- **9.3180** X-INVALID-ORDER-3180 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{1}{C_6s}\right)$
- $H(s) = \frac{C_3R_1R_2R_3R_4s + R_1R_2R_4}{s^3\left(C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_2C_3C_6R_1R_2R_3R_4R_5 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_$

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9.3181 X-INVALID-ORDER-3181 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, R_6 + \frac{1}{C_6s}\right)
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 $H(s) = \frac{C_3C_6R_1R_2R_3R_4R_6s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_6R_1R_2R_4R_6\right)}{s^3\left(C_1C_2C_6R_1R_2R_3R_4R_5 + C_1C_3C_6R_1R_2R_3R_4R_5 + C_2C_3C_6R_1R_2R_3R_4R_5 + C_1C_6R_1R_2R_3R_4 + C_1C_6R_1R_2R_3R_4R_5 + C_1C_6R_1R_2R_3R_4R_5 + C_2C_6R_1R_2R_3R_4R_5 + C$

9.3182 X-INVALID-ORDER-3182
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5, \frac{R_6}{C_6R_6s+1}\right)$$

 $\overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+R_{5}R_{6}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{1}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{2}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{4}R_{1}R_{$

9.3183 X-INVALID-ORDER-3183
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^3\left(C_1C_2C_6R_1R_2R_3R_4R_6 + C_1C_3C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_1R_2R_3R_4R_6 + C_1C_5C_6R_1R_2R_3R_$

9.3184 X-INVALID-ORDER-3184
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6\right)$$

 $\overline{R_{1}R_{4} + R_{2}R_{3} + R_{2}R_{4} + R_{3}R_{4} + s^{3}\left(C_{1}C_{2}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{4}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5} + C_{1}C_{3}C_{5}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{5}R_{1}R_{2}R_{3}R_{4} + C$

9.3185 X-INVALID-ORDER-3185
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{1}{C_6s}\right)$$

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

9.3186 X-INVALID-ORDER-3186
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$$

 $\overline{C_{6}R_{1}R_{4}+C_{6}R_{2}R_{3}+C_{6}R_{2}R_{4}+C_{6}R_{3}R_{4}+s^{3}\left(C_{1}C_{2}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{3}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4}+C_{1}C_{3}C_{6}R_{1}R_{2}R_{$

9.3187 X-INVALID-ORDER-3187
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, R_5 + \frac{1}{C_5s}, \frac{R_6}{C_6R_6s+1}\right)$$

 $H(s) = \frac{1}{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4 + s^4\left(C_1C_2C_5C_6R_1R_2R_3R_4R_5R_6 + C_1C_3C_5C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_5C_6R_1R_2R_3R_4R_5R_6 + C_2C_3C_5C_6R_1R_2R_3R_4R_5 +$

$$\textbf{9.3188} \quad \textbf{X-INVALID-ORDER-3188} \ \ Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \ \ \frac{R_2}{C_2 R_2 s + 1}, \ \ \frac{R_3}{C_3 R_3 s + 1}, \ \ \frac{R_4}{C_4 R_4 s + 1}, \ \ \frac{R_5}{C_5 R_5 s + 1}, \ \ \frac{1}{C_6 s} \right)$$

 $C_3C_5R_1R_2R_3R_4R_5s^2 + R_1R_2R_4 + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_4R_5\right)$

 $\frac{C_{3}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}s^{2}+R_{1}R_{2}R_{3}R_{4}+c_{5}R_{1}R_{2}R_{3}+c_{5}R_{1}R_{2}R_{3}+c_{5}R_{1}R_{2}R_{3}+c_{5}R_{1}R_{2}R_{3$

9.3189 X-INVALID-ORDER-3189
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_5 + C_3C_6R_1R_2R_3R_4R_6 + C_5C_6R_1R_2R_4R_5R_6) + s\left(C_3R_1R_2R_3R_4 + C_5R_1R_2R_3R_4R_5 + C_5C_6R_1R_2R_3R_4R_5 + C_5C_6R_1R_2R_3R_4R_5$

9.3190 X-INVALID-ORDER-3190
$$Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$$

 $\overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+S^{3}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{1}C_{4}C_{6}R_{1}R_{2}R_{3}R_{4}R_{5}R_{6}+C_{1}C_{5}C_{6}R_{1}R_{$

10 X-INVALID-WZ

10.1 X-INVALID-WZ-1
$$Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_4C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_6\right)}{-C_4C_5C_6R_2R_3R_4s^2 + C_6R_1 + C_6R_2 + C_6R_3 + s\left(C_4C_6R_1R_4 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_3R_4 - C_5C_6R_2R_3\right)}$$

Parameters:

bandwidth: $i\sqrt{-R_1-R_2-R_3}(C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3)$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: $-\frac{R_1R_6}{R_3}$

K-BP: $\frac{C_4C_5R_1R_2R_4+C_5C_6R_1R_2R_6}{C_4C_6R_1R_4+C_4C_6R_2R_3+C_4C_6R_2R_4+C_4C_6R_3R_4-C_5C_6R_2R_3}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.2 X-INVALID-WZ-2 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_4C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_6\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_4C_5C_6R_1R_4R_5 - C_4C_5C_6R_2R_3R_4 + C_4C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_4R_5 + C_4C_5C_6R_3R_4R_5\right) + s\left(C_4C_6R_1R_4 + C_4C_6R_2R_4 + C_4C_6R_3R_4 + C_5C_6R_1R_5 - C_5C_6R_2R_3 + C_5C_6R_2R_5 + C_5C_6R_3R_5\right)}$$

Parameters:

```
Q: \frac{\sqrt{C_4}\sqrt{C_5}R_1R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_4\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_4}\sqrt{C_5}R_2R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_4R_5\sqrt{R_1+R_2+R_3}} + \sqrt{C_4}\sqrt{C_5}R_4R_5\sqrt{
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wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_4 C_5 R_1 R_4 R_5 - C_4 C_5 R_2 R_3 R_4 + C_4 C_5 R_2 R_3 R_5 + C_4 C_5 R_2 R_4 R_5 + C_4 C_5 R_3 R_4 R_5}$

 $\sqrt{R_1 + R_2 + R_3} (C_4 R_1 R_4 + C_4 R_2 R_3 + C_4 R_2 R_4 + C_4 R_3 R_4 + C_5 R_1 R_5 - C_5 R_2 R_3 + C_5 R_2 R_5 + C_5 R_3 R_5) \sqrt{\frac{1}{C_4 C_5 R_1 R_4 R_5 - C_4 C_5 R_2 R_3 R_4 + C_4 C_5 R_2 R_4 R_5 + C_4 C_5 R_2 R_4 R_5 + C_4 C_5 R_3 R_4 R_5}$ $\frac{\text{bandwidth:}}{\sqrt{C_4\sqrt{C_5}R_1R_4R_5\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2+R_3R_5+R_2R_4R_5+R_3R_4R_5}}}-\sqrt{C_4\sqrt{C_5}R_2R_3R_4\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2+R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_4\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}}+\sqrt{C_4\sqrt{C_5}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\sqrt{C_4\sqrt{C_5}R_2R_3R_4+R_2R_5}+C_4\sqrt{C_5}R_3R_4+R_2R_5+R_3R_4R_5}+C_4\sqrt{C_5}R_3R_4+R_2R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3R_5+R_3$

 $\begin{array}{l} \text{K-LP:} \ \frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3} \\ \text{K-HP:} \ \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_4+R_5+R_3R_4R_5} - \sqrt{C_4}\sqrt{C_5R_2R_5} \\ \text{K-BP:} \ \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{C_4}C_5R_1R_2R_4+C_5C_6R_1R_2R_6} \\ \text{Qz:} \ \text{None} \\ \\ \text{W} \end{array}$

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.3 X-INVALID-WZ-3 $Z(s) = \left(R_1, R_2, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + s\left(C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}{-C_4C_5R_2R_3R_4R_5s^2 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s\left(C_4R_1R_4R_5 - C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_4R_5 + C_4R_3R_4R_5 - C_5R_2R_3R_5\right)}$$

Parameters:

Q: $-\frac{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-R_1R_5} + R_2R_3 - R_2R_5 - R_3R_5}{C_4R_1R_4R_5 - C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_4R_5 + C_4R_3R_4R_5 - C_5R_2R_3R_5}$ wo: $\frac{\sqrt{-R_1R_5 + R_2R_3 - R_2R_5 - R_3R_5}}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $-\frac{C_4R_1R_4R_5 - C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_4R_5 + C_4R_3R_4R_5 - C_5R_2R_3R_5}{C_4C_5R_2R_3R_4R_5}$

K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: $-\frac{R_1R_6}{R_2}$

K-BP: $\frac{C_4R_1R_2R_4R_6+C_5R_1R_2R_5R_6}{C_4R_1R_4R_5-C_4R_2R_3R_4+C_4R_2R_3R_5+C_4R_2R_4R_5+C_4R_3R_4R_5-C_5R_2R_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}}$

10.4 X-INVALID-WZ-4
$$Z(s) = \left(R_1, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_4C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_2R_4R_5\right) + s\left(C_3C_6R_1R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5\right)}$$

K-BP: $\frac{C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6}{C_3C_6R_1R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.5 X-INVALID-WZ-5 $Z(s) = \left(R_1, R_2, \frac{1}{C_{3s}}, R_4 + \frac{1}{C_{4s}}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_4R_5s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_5R_1R_2R_5\right)}{-C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_1R_4R_5 + C_3C_4C_6R_2R_4R_5 - C_4C_5C_6R_2R_4R_5\right) + s\left(C_3C_6R_1R_5 + C_3C_6R_2R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5 - C_5C_6R_2R_5\right)}$$

Parameters:

$$Q: \frac{C_3\sqrt{C_4}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2}}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2} - \sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2}}{C_3R_1R_5+C_3R_2R_5-C_4R_2R_4+C_4R_2R_5+C_4R_4R_5-C_5R_2R_5}$$

$$wo: \sqrt{\frac{-R_2+R_5}{C_3C_4R_1R_4R_5+C_3C_4R_2R_4R_5}} \sqrt{\frac{-R_2+R_5}{C_3C_4R_1R_4R_5+C_3C_5R_2R_4R_5}} (C_3R_1R_5+C_3R_2R_5-C_4R_2R_4+C_4R_2R_5+C_4R_4R_5-C_5R_2R_5}$$

 $\frac{-R_2 + R_5}{\sqrt{C_3 C_4 R_1 R_4 R_5 + C_3 C_4 R_2 R_4 R_5}} (C_3 R_1 R_5 + C_3 R_2 R_5 - C_4 R_2 R_4 + C_4 R_2 R_5 + C_4 R_4 R_5 - C_5 R_2 R_5)}{(C_3 \sqrt{C_4} R_1 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 - C_5 R_2}} + \frac{R_5}{C_3 R_1 + C_3 R_2 - C_5 R_2} + C_3 \sqrt{C_4} R_2 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 - C_5 R_2}} - \sqrt{C_4} C_5 R_2 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 - C_5 R_2}} + \frac{R_5}{C_3 R_1 + C_3 R_2 - C_5 R_2} + \frac{R_5}{C_3 R_1 + C_3 R_2 - C_5 R_2} - \sqrt{C_4} C_5 R_2 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_2}{C_3 R_1 + C_3 R_2 - C_5 R_2}} + \frac{R_5}{C_3 R_1 + C_3 R_2 - C_5 R_2} + \frac{R_5}{C_3 R_1 + C$

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}}$

10.6 X-INVALID-WZ-6 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_3C_5C_6R_2R_3R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

Parameters:

 $\begin{aligned} & \text{Q:} & - \frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_2R_4 - R_2R_5 - R_4R_5}}{C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 - C_5R_2R_4R_5} \\ & \text{wo:} & \frac{\sqrt{R_2R_4 - R_2R_5 - R_4R_5}}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}} \\ & \text{bandwidth:} & - \frac{C_3R_1R_4R_5 - C_3R_2R_3R_4 + C_3R_2R_3R_5 + C_3R_2R_4R_5 + C_3R_3R_4R_5 - C_5R_2R_4R_5}{C_3C_5R_2R_3R_4R_5} \end{aligned}$ $\begin{array}{l} \text{K-BP:} \ \frac{C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6}{C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_3R_4R_5 - C_5C_6R_2R_4R_5} \\ \text{Qz: None} \ \ \vdots \end{array}$

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.7 X-INVALID-WZ-7 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^2\left(C_3C_4C_6R_2R_3R_5 - C_3C_5C_6R_2R_3R_5\right) + s\left(C_3C_6R_1R_5 - C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_3R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$$

Parameters:

```
Q: \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}}}{C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5-C_5R_2R_5}
 bandwidth: \frac{\sqrt{\frac{-R_2+R_5}{C_3C_4R_2R_3R_5-C_3C_5R_2R_3R_5}}(C_3R_1R_5-C_3R_2R_3+C_3R_2R_5+C_3R_3R_5+C_4R_2R_5-C_5R_2R_5)}{-\frac{1}{2}}
                                        \sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_2}{C_4-C_5}+\frac{R_5}{C_4-C_5}}
K-LP: -\frac{C_3R_1R_2}{C_6R_2-C_6R_5}
K-HP: \frac{C_5R_1R_6}{C_4R_3-C_5R_3}
 \begin{array}{l} \text{K-BP: } \frac{C_4R_3-C_5R_3}{C_3C_6R_1R_5-C_3C_6R_2R_3+C_3C_6R_2R_5+C_3C_6R_1R_2R_6} \\ \text{Qz: None} \end{array} 
 Wz: \frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}
```

10.8 X-INVALID-WZ-8 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_4C_6R_1R_2R_4R_6s^2 + C_3R_1R_2 + s\left(C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6\right)$ $H(s) = \frac{-C_{6}R_{2} + C_{6}R_{5} + s^{2}\left(C_{3}C_{4}C_{6}R_{1}R_{4}R_{5} - C_{3}C_{4}C_{6}R_{2}R_{3}R_{4} + C_{3}C_{4}C_{6}R_{2}R_{3}R_{5} + C_{3}C_{4}C_{6}R_{2}R_{4}R_{5} + C_{3}C_{4}C_{6}R_{2}R_{3}R_{4} + C_{3}C_{4}C_{6}R_{2}R_{3}R_{5} + C_{3}C_{4}C_{6}R_{2}R_{3}R_{4} + C_{3}C_{4}C_{6}R_{2}R_{3}R_{5} + C_{3}C_{6}R_{2}R_{5} + C_{4}C_{6}R_{2}R_{5} + C_{4}C_{6}R_$

Parameters:

 $O: \frac{\sqrt{C_3}\sqrt{C_4}R_1R_4R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5\sqrt{-\frac{R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_3}\sqrt{C_4}R_3R_5+R_3R_4R_5} + \sqrt{C_3}$ Wo: $\sqrt{\frac{-R_2+R_5}{C_3C_4R_1R_4R_5-C_3C_4R_2R_3R_4+C_3C_4R_2R_3R_5+C_3C_4R_2R_4R_5+C_3C_4R_3R_4R_5}}$

 $\begin{array}{l} \text{K-HP:} \ \frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5} \\ \text{K-BP:} \ \frac{C_3C_4R_1R_2R_4 + C_3C_6R_1R_2R_6}{C_3C_6R_1R_5 - C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_3R_5 - C_4C_6R_2R_4 + C_4C_6R_2R_5 + C_4C_6R_4R_5} \end{array}$

Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.9 X-INVALID-WZ-9 $Z(s) = \left(R_1, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_3C_4C_6R_2R_3R_4R_5 - C_3C_5C_6R_2R_3R_4R_5\right) + s\left(C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_4R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5$

Parameters:

```
Q: \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}}{C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5}
                         \sqrt{\frac{-R_2R_4 + R_2R_5 + R_4R_5}{C_3C_4R_2R_3R_4R_5 - C_3C_5R_2R_3R_4R_5}}
                                              \frac{\sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_3C_4R_2R_3R_4R_5-C_3C_5R_2R_3R_4R_5}}(C_3R_1R_4R_5-C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_3R_4R_5+C_4R_2R_4R_5-C_5R_2R_4R_5)}{\sqrt{C_3C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_2R_5}{C_4-C_5}}}-\sqrt{C_3C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}+\frac{R_4R_5}{C_4-C_5}}}}
K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}
K-HP: \frac{C_5R_1R_6}{C_4R_3-C_5R_3}
  \begin{array}{l} \text{K-BP:} \ \frac{C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6}{C_3C_6R_1R_4R_5 - C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_3R_4R_5 + C_4C_6R_2R_4R_5 - C_5C_6R_2R_4R_5} \\ \text{Qz: None} \ \ . \end{array} 
  Wz: \frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}
```

10.10 X-INVALID-WZ-10 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_2R_3R_4 + C_5C_6R_1R_3R_4 + C_5C_6R_1R_4R_5 - C_5C_6R_2R_3R_4 + C_5C_6R_3R_4 + C_5C_6R_3R_4$

Parameters:

Q: $\frac{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_3R_1R_3R_4+C_3R_2R_3R_4+C_5R_1R_4R_5-C_5R_2R_3R_4+C_5R_2R_3R_5+C_5R_2R_4R_5+C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_5}}{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_5}}$ wo: $\frac{1}{\sqrt{C_3C_5R_1R_3R_4}} \frac{1}{R_3R_4R_5 + C_3C_5R_2R_3R_4R_5}$ bandwidth: $\frac{C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_4R_5 + C_5R_3R_4R_5}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1 + R_2}\sqrt{C_3C_5R_1R_3R_4R_5 + C_3C_5R_2R_3R_4R_5}}$

```
K-BP: \frac{C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6}{C_3C_6R_1R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_2R_3R_5 + C_5C_6R_2R_4R_5 + C_5C_6R_3R_4R_5} Qz: None
                    Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
10.11 X-INVALID-WZ-11 Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6)
                                                   \overline{R_1 R_4 R_5 - R_2 R_3 R_4 + R_2 R_3 R_5 + R_2 R_4 R_5 + R_3 R_4 R_5 + S^2 \left( C_3 C_6 R_1 R_3 R_4 R_5 R_6 + C_5 C_6 R_2 R_3 R_4 R_5 R_6 \right) + s \left( C_3 R_1 R_3 R_4 R_5 + C_5 R_2 R_3 R_4 R_5 + C_6 R_1 R_4 R_5 R_6 + C_6 R_2 R_3 R_4 R_5 + C_6 R_2 R_4 R_5 + C_6 R_4 R_5 R_5 + C_6 R_4 R_5 R_5 + C_6 R_4 R_5 + C_6 R_4 R_5 + C_6 R_5 R_5 + C_6 R_5 R_5 + C_6 R_5 R_5
        Parameters:
                     Q: \frac{C_3\sqrt{C_6}R_1\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_4R_5}{C_3R_1+C_3R_2-C_5R_2}} - \frac{R_2R_3R_4}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_2R_3R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_2R_4R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_3R_4R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_3R_4R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_2R_3R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_2R_3R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{R_2R_4R_5}{C_3R_1+C_3R_2-C_5R_2} + \frac{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \frac{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}{C_3C_6R_1R_3R_4R_5R_6-C_5C_6R_2R_3R_4R_5R_6}(C_3R_1R_3R_4R_5+C_3R_2R_3R_4R_5-C_5R_2R_3R_4R_5+C_6R_1R_4R_5R_6-C_6R_2R_3R_4R_6+C_6R_2R_3R_5R_6+C_6R_2R_4R_5R_6+C_6R_3R_4R_5R_6)
                                                                                                \overline{C_{3}\sqrt{C_{6}}R_{1}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}} - \frac{R_{2}R_{3}R_{4}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}} + \frac{R_{2}R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}} + \frac{R_{2}R_
                     \text{K-BP:} \frac{C_3 R_1 R_2 R_3 R_4 R_6 + C_5 R_1 R_2 R_4 R_5 R_6}{C_3 R_1 R_3 R_4 R_5 + C_3 R_2 R_3 R_4 R_5 - C_5 R_2 R_3 R_4 R_5 + C_6 R_1 R_4 R_5 R_6 - C_6 R_2 R_3 R_4 R_6 + C_6 R_2 R_3 R_5 R_6 + C_6 R_2 R_4 R_5 R_6 + C_6 R_3 R_4 R_5 R_6} 
                    Wz: \frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}
10.12 X-INVALID-WZ-12 Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                            H(s) = \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_5C_6R_1R_2R_6\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_3C_5C_6R_1R_3R_5 + C_3C_5C_6R_2R_3R_5 + C_4C_5C_6R_2R_3R_5\right) + s\left(C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_5C_6R_1R_5 - C_5C_6R_2R_3 + C_5C_6R_2R_5 + C_5C_6R_3R_5\right)}
          Parameters:
              \begin{array}{l} \text{Q:} \ \frac{\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}\sqrt{R_1+R_2+R_3}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_3R_1R_3+C_3R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5} \\ \text{wo:} \ \frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_3C_5R_1R_3R_5+C_3C_5R_2R_3R_5+C_4C_5R_2R_3R_5}} \\ \text{bandwidth:} \ \frac{C_3R_1R_3+C_3R_2R_3+C_4R_2R_3+C_5R_1R_5-C_5R_2R_3+C_5R_2R_5+C_5R_3R_5}{\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_3C_5R_1R_3R_5+C_3C_5R_2R_3R_5+C_4C_5R_2R_3R_5}} \\ \text{K-LP:} \ \frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}} \\ \text{K-HP:} \ \frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_3} \\ \text{K-BP:} \ \frac{C_3C_5R_1R_2R_6}{C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3+C_5C_6R_1R_2R_6}} \\ \text{C2:} \ \text{None} \end{array}
                       Qz: None
                    Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
10.13 X-INVALID-WZ-13 Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, \frac{R_6}{C_6 R_6 s+1}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C_3C_5R_1R_2R_3R_5R_6s^2 + R_1R_2R_6 + s(C_3R_1R_2R_3R_6 + C_5R_1R_2R_5R_6)
                                                                         H(s) = \frac{1}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_3C_6R_1R_3R_5R_6 + C_3C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6 + C_5C_6R_2R_3R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_3R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_2R_3R_5\right) + s\left(C_3R_1R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6\right) + s\left(C_3R_1R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5 + C_6R_1R_5R_6\right) + s\left(C_3R_1R_3R_5 + C_4R_2R_3R_5\right) + s\left(C_3R_1R_3R_5 + C_4R_3R_5\right) + s\left(C_3R_3R_5 + C_4R_3R_5\right) + s\left(C_3R_3R_5 + C_4R_3R_5\right) + s\left(C_3R_3R_5 + C_4R_3R_5\right) + s\left(C_3R_3R_5\right) + s\left(
          Parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                 \frac{R_2R_5}{2^{-C_5R_2}} + \frac{R_2R_5}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2} + \frac{R_3R_5}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2} + C_3\sqrt{C_6}R_2\sqrt{R_3}\sqrt{R_5}\sqrt{R_6}\sqrt{\frac{R_1R_5}{C_3R_1 + C_3R_2 + C_4R_3}}
                     Wo: \sqrt{\frac{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5}{C_3C_6R_1R_3R_5R_6 + C_3C_6R_2R_3R_5R_6 + C_4C_6R_2R_3R_5R_6 - C_5C_6R_2R_3R_5R_6}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \sqrt{\frac{R_1R_5-R_2R_3+R_2R_5+R_3R_5}{C_3C_6R_1R_3R_5R_6+C_3C_6R_2R_3R_5R_6+C_4C_6R_2R_3R_5R_6-C_5C_6R_2R_3R_5R_6}}(C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_2R_3R_5-C_5R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_2R_3R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+C_6R_5+
                     \frac{\sqrt{\sqrt{3}\sqrt{6}R_{1}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{\frac{R_{1}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}-\frac{R_{2}R_{3}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}+C_{3}\sqrt{C_{6}}R_{2}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{\frac{R_{1}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}}+\frac{R_{2}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}R_{5}}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}+\frac{R_{3}
              \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & A_1R_5 \\ \end{array} \end{array} \end{array} - \overline{A_1R_5} - \overline{A_2R_3} - \overline{A_2R_2} + \overline{A_2R_3} \end{array} \\ \text{K-LP:} & \begin{array}{c} & \begin{array}{c} & A_1R_2R_6 \\ \hline & R_1R_2R_6 \end{array} \end{array} \\ \text{K-HP:} & \begin{array}{c} & C_3C_5R_1R_2 \\ \hline & C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2 \end{array} \\ \text{K-BP:} & \begin{array}{c} & C_3R_1R_2R_3R_6 + C_5R_1R_2R_5R_6 \\ \hline & C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_5 - C_5R_2R_3R_5 + C_6R_1R_5R_6 - C_6R_2R_3R_6 + C_6R_2R_5R_6 + C_6R_3R_5R_6 \end{array} \\ \text{Qz:} & \text{None} \end{array}
```

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$

K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

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10.14 X-INVALID-WZ-14 Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)
```

$$H(s) = \frac{C_3C_4R_1R_2R_3R_4R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_4R_1R_2R_4R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_3C_4R_1R_3R_4R_5 + C_3C_4R_2R_3R_4R_5\right) + s\left(C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_3R_5 + C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_3R_3R_5 + C_4R_3R_$$

Q: $\frac{\sqrt{C_3}\sqrt{C_4}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_1R_4R_5-C_4R_2R_3R_4+C_4R_2R_3R_5+C_4R_2R_4R_5+C_4R_3R_4R_5}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_3}C_4R_1R_3R_4R_5+C_3C_4R_2R_3R_4R_5}$ bandwidth: $\frac{C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_1R_4R_5-C_4R_2R_3R_4+C_4R_2R_3R_5+C_4R_2R_4R_5+C_4R_3R_4R_5}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_3}C_4R_1R_3R_4R_5+C_3}C_4R_2R_3R_4R_5}$ K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$

K-BP: $\frac{C_3R_1R_2R_3R_6+C_4R_1R_2R_4R_6}{C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_1R_4R_5-C_4R_2R_3R_4+C_4R_2R_3R_5+C_4R_2R_4R_5+C_4R_3R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_3}\sqrt{R_4}}$

10.15 X-INVALID-WZ-15 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s+1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5R_1R_2R_3R_4s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_4C_5R_1R_2R_4\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_3C_4C_6R_1R_3R_4 + C_3C_4C_6R_2R_3R_4 - C_4C_5C_6R_2R_3R_4\right) + s\left(C_3C_6R_1R_3 + C_4C_6R_1R_4 + C_4C_6R_2R_3 + C_4C_6R_2R_4 + C_4C_6R_2R_4 + C_4C_6R_2R_4\right)}$$

Parameters:

 $\frac{C_3\sqrt{C_4}R_1\sqrt{R_3}\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}+C_3\sqrt{C_4}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-\sqrt{C_4}C_5R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-C_3R_1R_3+C_3R_2R_3+C_4R_1R_4+C_4R_2R_3+C_4R_2R_4+C_4R_3R_4-C_5R_2R_3}$

 $\sqrt{R_1 + R_2 + R_3} (C_3 R_1 R_3 + C_3 R_2 R_3 + C_4 R_1 R_4 + C_4 R_2 R_3 + C_4 R_2 R_4 + C_4 R_3 R_4 - C_5 R_2 R_3) \sqrt{\frac{1}{C_3 C_4 R_1 R_3 R_4 + C_3 C_4 R_2 R_3 R_4 - C_4 C_5 R_2 R_3 R_4}}$

 $\frac{\sqrt{3\sqrt{C_4}R_1\sqrt{R_3}\sqrt{R_4\sqrt{R_1+R_2+R_3}}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}+C_3\sqrt{C_4}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}-\sqrt{C_4}C_5R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}$

Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_3}\sqrt{R_4}}$

10.16 X-INVALID-WZ-16 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)$ $H(s) = \frac{1}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_3C_5C_6R_1R_3R_4R_5 + C_3C_5C_6R_2R_3R_4R_5 + s^2\left(C_3C_5C_6R_2R_3R_4R_5 + C_4C_5C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 + C_5C_6R_2R_3R_4 + C_5C_6R_3$

Parameters:

wo: $\frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}{\sqrt{C_3C_5R_1R_3R_4R_5 + C_3C_5R_2R_3R_4R_5 + C_4C_5R_2R_3R_4R_5}}$ bandwidth: $\frac{C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 + C_5R_1R_4R_5 - C_5R_2R_3R_4 + C_5R_2R_3R_5 + C_5R_2R_4R_5 + C_5R_3R_4R_5}{\sqrt{C_5}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1 + C_3R_2 + C_4R_2}\sqrt{C_3C_5R_1R_3R_4R_5 + C_3C_5R_2R_3R_4R_5 + C_4C_5R_2R_3R_4R_5}}$ K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4}$ K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6}{C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_5C_6R_1R_4R_5 - C_5C_6R_2R_3R_4 + C_5C_6R_2R_3R_5 + C_5C_6R_2R_4R_5 + C_5C_6R_3R_4R_5} \\ \text{Qz: None} \ \ . \end{array}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.17 X-INVALID-WZ-17 $Z(s) = \left(R_1, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, \frac{R_6}{C_6R_6s+1}\right)$

 $C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6)$ $\overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+s^{2}\left(C_{3}C_{6}R_{1}R_{3}R_{4}R_{5}R_{6}+C_{4}C_{6}R_{2}R_{3}R_{4}R_{5}R_{6}-C_{5}C_{6}R_{2}R_{3}R_{4}R_{5}+C_{4}R_{2}R_{3}R_{4}R_{5}+C_{4}R_{2}R_{3}R_{4}R_{5}+C_{5}R_{2}R_{3}R_{4}R_{5}+C_{6}R_{1}R_{4}R_{5}R_{6}-C_{6}R_{2}R_{3}R_{4}R_{5}+C_{6}R$

Parameters:

10.19 X-INVALID-WZ-19 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_4C_5R_1R_4R_5R_6s^2 + R_1R_6 + s\left(C_4R_1R_4R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^2\left(C_2C_4R_1R_4R_5 + C_2C_4R_3R_4R_5 - C_4C_5R_3R_4R_5\right) + s\left(C_2R_1R_5 + C_2R_3R_5 - C_4R_3R_4 + C_4R_3R_5 + C_4R_4R_5 - C_5R_3R_5\right)}$$

Parameters:

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

```
 \begin{array}{c} Q: \frac{C_2\sqrt{C_4}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3-C_5R_3}+\frac{R_5}{C_2R_1+C_2R_3-C_5R_3}}+C_2\sqrt{C_4}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_4}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3}{C_2R_1+C_2R_3-C_5R_3}}+\frac{R_5}{C_2R_1+C_2R_3-C_5R_3}}\\ wo: \sqrt{\frac{-R_3+R_5}{C_2C_4R_1R_4R_5+C_2C_4R_3R_4R_5-C_4C_5R_3R_4R_5}}}\\ bandwidth: \frac{-R_3+R_5}{C_2\sqrt{C_4}R_1R_4R_5+C_2C_4R_3R_4R_5-C_4C_5R_3R_4R_5}} \\ (C_2R_1R_5+C_2R_3R_5-C_4R_3R_4+C_4R_3R_5+C_4R_4R_5-C_5R_3R_5}\\ (C_2R_1R_5+C_2R_3R_5-C_4R_3R_4+C_4R_3R_5+C_4R_4R_5-C_5R_3R_5)\\ (C_2R_1R_5+C_2R_
```

10.20 X-INVALID-WZ-20 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_4R_5s^2 - C_6R_4 + C_6R_5 + s\left(C_2C_6R_4R_5 + C_3C_6R_4R_5 - C_5C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_4}\sqrt{R_5}+C_3\sqrt{R_4}\sqrt{R_5}-C_5\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$

Qz: None

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.21 X-INVALID-WZ-21 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_5R_6s^2 + C_3R_1 + s\left(C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{C_2C_3C_6R_1R_5s^2 - C_6 + s\left(C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{i\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}-C_5\sqrt{R_5}}$ wo: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_2\sqrt{R_5}+C_3\sqrt{R_5}+C_4\sqrt{R_5}-C_5\sqrt{R_5}}{C_2C_3R_1\sqrt{R_5}}$

K-LP: $-\frac{C_3R_1}{C_6}$ K-HP: $\frac{C_5R_6}{C_2}$ K-BP: $\frac{C_3C_5R_1R_5 + C_3C_6R_1R_6}{C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.22 X-INVALID-WZ-22 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_1R_4R_6s^2 + C_3C_5R_1 + s\left(C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_6\right)}{C_2C_3C_4C_6R_1R_4s^2 + C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s\left(C_2C_3C_6R_1 + C_2C_4C_6R_4 + C_3C_4C_6R_4 - C_4C_5C_6R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{C_2+C_3+C_4-C_5}}{C_2C_3R_1+C_2C_4R_4+C_3C_4R_4-C_4C_5R_4}$ wo: $\frac{\sqrt{C_2+C_3+C_4-C_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_2C_3R_1+C_2C_4R_4+C_3C_4R_4-C_4C_5R_4}{C_2C_3C_4R_1R_4}$

K-LP: $\frac{C_2C_3C_4}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2}{C_2C_3C_6R_1+C_2C_4C_6R_4+C_3C_4C_6R_4-C_4C_5C_6R_4}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.23 X-INVALID-WZ-23 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_4R_5s^2 - C_6R_4 + C_6R_5 + s\left(C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5 - C_5C_6R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{-R_{4}+R_{5}}}{C_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{3}\sqrt{R_{4}}\sqrt{R_{5}}+C_{4}\sqrt{R_{4}}\sqrt{R_{5}}-C_{5}\sqrt{R_{4}}\sqrt{R_{5}}}$ wo: $\frac{\sqrt{-R_{4}+R_{5}}}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}}$ bandwidth: $\frac{C_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{3}\sqrt{R_{4}}\sqrt{R_{5}}+C_{4}\sqrt{R_{4}}\sqrt{R_{5}}-C_{5}\sqrt{R_{4}}\sqrt{R_{5}}}{C_{2}C_{3}R_{1}\sqrt{R_{4}}\sqrt{R_{5}}}$

K-LP: $\frac{C_3R_1R_4}{C_2C_3R_1\sqrt{R_5}+C_3\sqrt{R_4}}$ K-HP: $\frac{C_5R_6}{C_2}$ K-BP: $\frac{C_3C_5R_1R_5+C_3C_6R_1R_6}{C_2C_6R_5+C_3C_6R_5+C_4C_6R_5-C_5C_6R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.24 X-INVALID-WZ-24
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5 - C_5C_6R_4R_5\right)}$$

$$\begin{array}{c} \text{Q:} \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3}} \\ \text{wo:} \sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5+C_2C_3R_3R_4R_5-C_3C_5R_3R_4R_5}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_4}-C_3R_3R_4+C_3R_3R_5+C_3R_4R_5-C_5R_4R_5}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_3R_4R_5-C_5R_4R_5}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_3R_4R_5-C_5R_4R_5}}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_5R_4R_5}}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_3R_4R_5-C_5R_4R_5}}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_3R_4R_5-C_5R_4R_5}}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2\sqrt{C_3}R_1R_4R_5+C_3C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_3R_4R_5-C_5R_4R_5}}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} \\ \text{bandwidth:} \frac{-R_4+R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_2\sqrt{C_3}R_3\sqrt{R_4}$$

10.25 X-INVALID-WZ-25 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_5R_6s^2 + C_3R_1 + s\left(C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{-C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_3R_5 + C_3C_4C_6R_3R_5 - C_3C_5C_6R_3R_5\right) + s\left(C_2C_6R_5 - C_3C_6R_3 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$$

Parameters:

$$\begin{array}{c} \text{Q:} \frac{C_2\sqrt{C_3}R_1\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} - \sqrt{C_3}C_5R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} \\ \text{wo:} \sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_5R_3R_5}} \\ \text{bandwidth:} \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_5R_3R_5}} \\ \sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_5R_3R_5}} \\ \text{bandwidth:} \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_5R_3R_5}} (C_2R_5-C_3R_3+C_3R_5+C_4R_5-C_5R_5)} \\ \text{bandwidth:} \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_5R_3R_5}} (C_2R_5-C_3R_3+C_3R_5+C_4R_5-C_5R_5)} \\ \text{bandwidth:} \frac{\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_5R_3R_5}} (C_2R_5-C_3R_3+C_3R_5+C_4R_5-C_5R_5)} \\ \text{bandwidth:} \frac{\sqrt{-\frac{1}{C_2C_3R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + C_2\sqrt{C_3}R_3\sqrt{R_5}\sqrt{-\frac{1}{C_2R$$

10.26 X-INVALID-WZ-26 $Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_1R_4R_6s^2 + C_3C_5R_1 + s\left(C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_3R_4 - C_3C_4C_5C_6R_3R_4\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_3 + C_2C_4C_6R_4 + C_3C_4C_6R_3 + C_3C_4C_6R_3 - C_4C_5C_6R_3\right)}$$

Parameters:

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

```
Q: \frac{c_2\sqrt{c_3}\sqrt{c_4}R_1\sqrt{R_4}\sqrt{c_2R_1+c_2R_3-c_5R_3} + c_2R_1+c_2R_3-c_5R_3}{C_2C_3R_1+c_2R_3-c_5R_3} + c_2R_1+c_2R_3-c_5R_3}{C_2C_3R_1+c_2R_3-c_5R_3} + c_2R_1+c_2R_3-c_5R_3} + c_2R_1+c_2R_3-c_5R_
```

10.27 X-INVALID-WZ-27
$$Z(s) = \left(R_1, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_3R_4R_5 + C_3C_4C_6R_3R_4R_5 - C_3C_5C_6R_3R_4R_5\right) + s\left(C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5 - C_5C_6R_4R_5\right)}$$

 $Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}{C_2R_4R_5-C_3R_3R_4+C_3R_3R_5+C_4R_4S-C_5R_4} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}$

 $\frac{-R_4 + R_5}{\sqrt{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_3 C_5 R_3 R_4 R_5}} (C_2 R_4 R_5 - C_3 R_3 R_4 + C_3 R_3 R_5 + C_3 R_4 R_5 - C_5 R_4 R_5)}{\sqrt{C_2 C_3 R_1 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 + C_4 R_3 - C_5 R_3}}$ $\begin{array}{c} C_{2\,Y}\,C_{3\,R_{1}\,Y\,R_{4}\,V}\,R_{5}\,\sqrt{-\frac{n_{4}}{C_{2\,R_{1}}+C_{2}\,R_{3}+C_{4}\,R_{3}-C_{5}\,R_{3}}} + \frac{R_{5}}{C_{2\,R_{1}}+C_{2}\,R_{3}+C_{4}\,R_{3}} \\ \text{K-LP:} & -\frac{C_{3}R_{1}R_{4}}{C_{6}R_{4}-C_{6}\,R_{5}} \\ \text{K-HP:} & \frac{C_{5}R_{1}\,R_{6}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}\,R_{3}-C_{5}\,R_{3}} \\ \text{K-BP:} & \frac{C_{3}C_{5}R_{1}R_{4}R_{5}+C_{3}C_{6}R_{1}R_{4}R_{6}}{C_{2}C_{6}R_{4}R_{5}-C_{3}C_{6}R_{3}R_{4}+C_{3}C_{6}R_{3}R_{5}+C_{3}C_{6}R_{4}R_{5}+C_{4}C_{6}R_{4}R_{5}-C_{5}C_{6}R_{4}R_{5}} \\ \text{Qz:} & \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.28 X-INVALID-WZ-28 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_3R_4s^2 + C_6R_3 + C_6R_4 + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_3+R_4}}{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_3+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}}$

bandwidth: $\frac{C_2 R_1 \sqrt{R_4} + C_2 R_3 \sqrt{R_4} + C_3 R_3 \sqrt{R_4} - C_5 R_3 \sqrt{R_4}}{C_2 C_3 R_1 R_3 \sqrt{R_4}}$

K-LP: $\frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}$ K-HP: $\frac{C_5 R_6}{C_2}$

K-BP: $\frac{C_2}{C_2C_6R_1+C_2C_6R_3+C_3C_6R_1R_6} \\ \text{Qz: None}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.29 X-INVALID-WZ-29 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)}{C_2C_3R_1R_3R_4R_5s^2 - R_3R_4 + R_3R_5 + R_4R_5 + s\left(C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 - C_5R_3R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{-R_3}R_4 + R_3R_5 + R_4R_5}{C_2R_1\sqrt{R_4}\sqrt{R_5} + C_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_3\sqrt{R_4}\sqrt{R_5} - C_5R_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_3}R_4 + R_3R_5 + R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}\sqrt{R_5} + C_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_3\sqrt{R_4}\sqrt{R_5} - C_5R_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_3\sqrt{R_4}\sqrt{R_5}}$

K-BP: $\frac{C_2}{C_2R_1R_5+C_2R_3R_5+C_3R_3R_5-C_5R_3R_5} \\ \text{Qz: None}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.30 X-INVALID-WZ-30 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_3R_6s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_5C_6R_1R_6\right)}{C_2C_3C_6R_1R_3s^2 + C_6 + s\left(C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

Parameters:

```
wo: \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}
bandwidth: \frac{C_2R_1+C_2R_3+C_3R_3+C_4R_3-C_5R_3}{C_2C_3R_1R_3}
     K-LP: \frac{C_5R_1}{C_6}

K-HP: \frac{C_5R_6}{C_2}

K-BP: \frac{C_3C_5R_1R_3 + C_5C_6R_1R_6}{C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3}

Qz: None
      Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
10.31 X-INVALID-WZ-31 Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)
   Parameters:
```

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{-R_3+R_5}}{C_2R_1\sqrt{R_5}+C_2R_3\sqrt{R_5}+C_3R_3\sqrt{R_5}+C_4R_3\sqrt{R_5}-C_5R_3\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_3+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1\sqrt{R_5}+C_2R_3\sqrt{R_5}+C_3R_3\sqrt{R_5}+C_4R_3\sqrt{R_5}-C_5R_3\sqrt{R_5}}{C_2C_3R_1R_3\sqrt{R_5}}$ K-LP: $-\frac{R_1R_6}{R_3-R_5}$ K-HP: $\frac{C_5R_6}{C_2}$ K-BP: $\frac{C_2}{C_2R_1R_5 + C_2R_3R_5 + C_3R_1R_5R_6}{C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5 - C_5R_3R_5}$ Qz: None Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.32 X-INVALID-WZ-32 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_2C_3C_6R_1R_3R_4s^2 + C_6R_3 + C_6R_4 + s\left(C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4\right)}$

 $H(s) = \frac{C_3C_5R_1R_3R_5R_6s^2 + R_1R_6 + s\left(C_3R_1R_3R_6 + C_5R_1R_5R_6\right)}{C_2C_3R_1R_3R_5s^2 - R_3 + R_5 + s\left(C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5 - C_5R_3R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_3+R_4}}{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}+C_4R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_3+R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}+C_2R_3\sqrt{R_4}+C_3R_3\sqrt{R_4}+C_4R_3\sqrt{R_4}-C_5R_3\sqrt{R_4}}{C_2C_3R_1R_3\sqrt{R_4}}$ K-LP: $\frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}$ K-HP: $\frac{C_5 R_6}{C_2}$ K-BP: $\frac{C_2}{C_2C_6R_1+C_2C_6R_3+C_3C_6R_3+C_4C_6R_3-C_5C_6R_3} \\ \text{Qz: None}$ Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.33 X-INVALID-WZ-33 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)}{C_2C_3R_1R_3R_4R_5s^2 - R_3R_4 + R_3R_5 + R_4R_5 + s\left(C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 + C_4R_3R_4R_5 - C_5R_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{-R_3}R_4 + R_3R_5 + R_4R_5}{C_2R_1\sqrt{R_4}\sqrt{R_5} + C_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_3\sqrt{R_4}\sqrt{R_5} + C_4R_3\sqrt{R_4}\sqrt{R_5} - C_5R_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_3}R_4 + R_3R_5 + R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1\sqrt{R_4}\sqrt{R_5} + C_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_3\sqrt{R_4}\sqrt{R_5} + C_4R_3\sqrt{R_4}\sqrt{R_5} - C_5R_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_3\sqrt{R_4}\sqrt{R_5}}$ K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: $\frac{C_5R_6}{C_2}$ K-BP: $\frac{C_3R_1R_3R_6 + C_5R_1R_5R_6}{C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5 - C_5R_3R_5}$ Oz: None

```
Wz: \frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}
```

10.34 X-INVALID-WZ-34
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_5C_6R_1R_4R_6\right)}{-C_2C_5C_6R_2R_3R_4s^2 + C_6R_3 + C_6R_4 + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

Q: $-\frac{i\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4}$ wo: $\frac{\sqrt{-R_3-R_4}}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{i\sqrt{-R_3-R_4}(C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4-C_5R_3R_4)}{C_2C_5R_2R_3R_4\sqrt{R_3+R_4}}$

K-LP: $\frac{C_5R_1R_4}{C_6R_3+C_6R_4}$ K-HP: $-\frac{R_1R_6}{R_3}$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$

10.35 X-INVALID-WZ-35 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^2\left(C_2C_5C_6R_1R_4R_5 - C_2C_5C_6R_2R_3R_4 + C_2C_5C_6R_2R_4R_5 + C_2C_5C_6R_2R_4R_5\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_5C_6R_3R_4 +$$

Parameters:

 $Q: \frac{\sqrt{C_2}\sqrt{C_5}R_1R_4R_5\sqrt{R_3}+R_4}{\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2}\sqrt{C_5}R_2R_3R_4\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3}+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{R_3}+R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{+\sqrt{C_2}\sqrt{C_5}R_3R_4+C_5$

wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_2 C_5 R_1 R_4 R_5 - C_2 C_5 R_2 R_3 R_4 + C_2 C_5 R_2 R_3 R_5 + C_2 C_5 R_2 R_4 R_5 + C_2 C_5 R_3 R_4 R_5}$

 $\frac{\sqrt{R_3 + R_4} (C_2 R_1 R_4 + C_2 R_2 R_4 + C_2 R_3 R_4 - C_5 R_3 R_4 + C_5 R_5 R_4 + C_5 R_5 R_4 + C_5 R_5 R_5 + C_5 R_5 R_5$

K-LP: $\frac{C_5 R_1 R_4}{C_6 R_3 + C_6 R_4}$

 $\begin{array}{l} \text{K-HP:} \ \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP:} \ \frac{C_2C_5R_1R_2R_4+C_5C_6R_1R_4R_6}{C_2C_6R_2R_3+C_2C_6R_2R_4+C_2C_6R_3R_4-C_5C_6R_3R_4+C_5C_6R_3R_5+C_5C_6R_4R_5} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$

10.36 X-INVALID-WZ-36 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_5R_1R_4R_5R_6\right)}{-C_2C_5R_2R_3R_4R_5s^2 - R_3R_4 + R_3R_5 + R_4R_5 + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 - C_5R_3R_4R_5\right)}$$

Parameters:

Q: $-\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_3R_4-R_3R_5-R_4R_5}}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5-C_5R_3R_4R_5}$ wo: $\frac{\sqrt{R_3R_4-R_3R_5-R_4R_5}}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $-\frac{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5-C_5R_3R_4R_5}{C_2C_5R_2R_3R_4R_5}$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: $-\frac{R_1R_6}{R_3}$

K-BP: $\frac{C_2R_1R_2R_4R_6+C_5R_1R_4R_5R_6}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5-C_5R_3R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$

10.37 X-INVALID-WZ-37
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_5C_6R_1R_2R_6s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_5C_6R_1R_6\right)}{C_6 + s^2\left(C_2C_4C_6R_2R_3 - C_2C_5C_6R_2R_3\right) + s\left(C_2C_6R_1 + C_2C_6R_2 + C_2C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

$$\begin{array}{l} \text{Q:} \ \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}{C_2R_1+C_2R_2+C_2R_3+C_4R_3-C_5R_3}\\ \text{wo:} \ \sqrt{\frac{1}{C_2C_4R_2R_3-C_2C_5R_2R_3}}\\ \text{bandwidth:} \ \frac{(C_2R_1+C_2R_2+C_2R_3+C_4R_3-C_5R_3)\sqrt{\frac{1}{C_2C_4R_2R_3-C_2C_5R_2R_3}}}{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4-C_5}}}\\ \text{K-LP:} \ \frac{C_5R_1}{C_6}\\ \text{K-HP:} \ \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ \text{K-BP:} \ \frac{C_2C_5R_1R_2+C_5C_6R_1R_6}{C_2C_6R_1+C_2C_6R_2+C_2C_6R_3+C_4C_6R_3-C_5C_6R_3}\\ \text{Qz:} \ \text{None} \end{array}$$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$

10.38 X-INVALID-WZ-38 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_5R_6s^2 + R_1R_6 + s\left(C_2R_1R_2R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^2\left(C_2C_4R_2R_3R_5 - C_2C_5R_2R_3R_5\right) + s\left(C_2R_1R_5 - C_2R_2R_3 + C_2R_2R_5 + C_2R_3R_5 + C_4R_3R_5 - C_5R_3R_5\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}\sqrt{-\frac{R_3}{C_4-C_5}}+\frac{R_5}{C_4-C_5}}{C_2R_1R_5-C_2R_2R_3+C_2R_2R_5+C_2R_3R_5+C_4R_3R_5-C_5R_3R_5}\\ \text{Wo:} \frac{-R_3+R_5}{\sqrt{\frac{-R_3+R_5}{C_2C_4R_2R_3R_5-C_2C_5R_2R_3R_5}}}\\ \text{bandwidth:} \frac{\sqrt{\frac{-R_3+R_5}{C_2C_4R_2R_3R_5-C_2C_5R_2R_3R_5}}}{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}\sqrt{-\frac{R_3}{C_4-C_5}}+\frac{R_5}{C_4-C_5}}}{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}\sqrt{-\frac{R_3}{C_4-C_5}+\frac{R_5}{C_4-C_5}}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{R_3}{C_4-C_5}+\frac{R_5}{C_4-C_5}}}\\ \text{K-LP:} \frac{R_1R_6}{R_3-R_5}\\ \text{K-HP:} \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ \text{K-BP:} \frac{C_2R_1R_2R_6+C_5R_1R_5R_6}{C_2R_1R_5-C_2R_2R_3+C_2R_2R_5+C_5R_3R_5}\\ \text{Qz:} \text{ None} \\ \text{Wz:} \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}} \sqrt{R_5}\sqrt{R_5} \end{array}$$

10.39 X-INVALID-WZ-39 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_2C_4R_1R_2R_4R_6s^2 + R_1R_6 + s\left(C_2R_1R_2R_6 + C_4R_1R_4R_6\right)}{-R_3 + R_5 + s^2\left(C_2C_4R_1R_4R_5 - C_2C_4R_2R_3R_4 + C_2C_4R_2R_3R_5 + C_2C_4R_2R_4R_5 + C_2C_4R_3R_4R_5\right) + s\left(C_2R_1R_5 - C_2R_2R_3 + C_2R_2R_5 + C_2R_3R_5 - C_4R_3R_4 + C_4R_3R_5 + C_4R_4R_5\right)}$$

Parameters:

$$\begin{array}{c} Q: \frac{\sqrt{C_2}\sqrt{C_4}R_1R_4R_5\sqrt{-R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_4}R_2R_3R_4\sqrt{-R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} - \sqrt{C_2}\sqrt{C_4}R_2R_3R_4\sqrt{-R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_2}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_2}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_2}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_2}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + \sqrt{C_2}\sqrt{C_4}R_2R_3R_4+C_2R_3R$$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}}$

10.40 X-INVALID-WZ-40
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^2\left(C_2C_4C_6R_2R_3R_4 - C_2C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

$$Q \colon \frac{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_2C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_4-C_5}}}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4}$$
 wo:
$$\sqrt{R_3+R_4}\sqrt{\frac{1}{C_2C_4R_2R_3R_4-C_2C_5R_2R_3R_4}}$$
 bandwidth:
$$\frac{\sqrt{R_3+R_4}(C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4+C_4R_3R_4-C_5R_3R_4)\sqrt{\frac{1}{C_2C_4R_2R_3R_4-C_2C_5R_2R_3R_4}}}{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_4-C_5}} - \sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_4-C_5}}}$$
 K-LP:
$$\frac{C_5R_1R_4}{C_6R_3+C_6R_4}$$
 K-HP:
$$\frac{C_5R_1R_4}{C_4R_3-C_5R_3}$$
 K-BP:
$$\frac{C_2C_5R_1R_2R_4+C_5C_6R_1R_4R_6}{C_2C_6R_2R_3+C_2C_6R_2R_4+C_2C_6R_3R_4+C_4C_6R_3R_4-C_5C_6R_3R_4}$$
 Qz: None
$$Wz: \frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$$

10.41 X-INVALID-WZ-41 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_2C_5R_1R_2R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_5R_1R_4R_5R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_4R_2R_3R_4R_5 - C_2C_5R_2R_3R_4R_5\right) + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 + C_4R_3R_4R_5 - C_5R_3R_4R_5\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_4-C_5}} + \frac{R_3R_5}{C_4-C_5} + \frac{R_4R_5}{C_4-C_5}}{C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2} R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 - C_5R_3R_4R_5} \\ Wo \colon \frac{C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2}{\sqrt{C_2}C_4R_2R_3R_4R_5 - C_2C_5R_2R_3R_4R_5}}{\sqrt{C_2C_4R_2R_3R_4R_5 - C_2C_5R_2R_3R_4R_5}} \\ Wo \colon \sqrt{\frac{-R_3R_4 + R_3R_5 + R_4R_5}{C_2C_4R_2R_3R_4R_5 - C_2C_5R_2R_3R_4R_5}} \\ & \to 0 \\ \text{bandwidth:} \frac{\sqrt{\frac{-R_3R_4 + R_3R_5 + R_4R_5}{C_2C_4R_2R_3R_4R_5 - C_2C_5R_2R_3R_4R_5}}}{\sqrt{C_2C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_4-C_5} + \frac{R_3R_5}{C_4-C_5} + \frac{R_4R_5}{C_4-C_5}}}} \\ \text{K-LP:} - \frac{R_1R_4R_6}{R_3R_4 - R_3R_5 - R_4R_5}}{R_3R_4 - C_3R_3R_4 + C_2R_2R_3R_4 + C_2R_2R_3R_4R_5 - C_5R_3R_4R_5}} \\ \text{K-HP:} \frac{C_5R_1R_6}{C_4R_3 - C_5R_3}}{C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_4R_5 - C_5R_3R_4R_5}} \\ \text{Wz:} \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_4-C_5} + \frac{R_4R_5}{C_4-C_5} + \frac{R_4R_5}{C_4-C_5}}}}}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_4-C_5} + \frac{R_4R_5}{C_4-C_5} + \frac{R_4R_5}{C_4-C_5}}}}} \\ \text{Vz:} \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}}$$

10.42 X-INVALID-WZ-42 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

Parameters:

$$\begin{array}{l} \mathrm{Q:} \ -\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{-R_4+R_5}}{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5} \\ \mathrm{wo:} \ \frac{\sqrt{-R_4+R_5}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}} \\ \mathrm{bandwidth:} \ -\frac{C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}} \\ \mathrm{K-LP:} \ -\frac{C_3R_1R_4}{C_6R_4-C_6R_5} \\ \mathrm{K-HP:} \ \frac{R_1R_2R_6}{R_1R_5+R_2R_5} \\ \mathrm{K-BP:} \ \frac{-C_2C_3R_1R_2R_4-C_3C_6R_1R_4R_6}{C_2C_6R_2R_4-C_2C_6R_2R_5-C_2C_6R_4R_5-C_3C_6R_4R_5} \\ \mathrm{Qz:} \ \mathrm{None} \\ \mathrm{Wz:} \ \frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}} \end{array}$$

10.43 X-INVALID-WZ-43
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 - C_2C_5C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 - C_5C_6R_4R_5\right)}$$

$$Q: \frac{-\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2}}{-\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2}} + \sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2}} \\ \text{wo: } \sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}{\sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}} \\ \text{bandwidth: } \frac{-\frac{-R_4+R_5}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}{\sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}} (C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5+C_5R_4R_5)} \\ \text{bandwidth: } \frac{-\frac{-R_4+R_5}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}{\sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}} (C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5+C_5R_4R_5)} \\ \text{bandwidth: } \frac{-\frac{-R_4+R_5}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}} (C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5+C_5R_4R_5)} \\ \text{bandwidth: } \frac{-\frac{-R_4+R_5}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5}}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5-C_2C_5R_2R_4R_5}}} (C_2R_2R_4-C_2R_2R_5-C_2R_4R_5-C_3R_4R_5+C_5R_4R_5}) \\ \text{bandwidth: } \frac{-\frac{-R_4+R_5}{\sqrt{C_2C_3R_1R_4R_5+C_2C_5R_2}}}{\sqrt{C_2C_3R_1R_4R_5+C_2C_5R_2}} - \sqrt{C_2C_3R_2\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{\sqrt{R_5}\sqrt{R_5}\sqrt{-\frac{R_4}{\sqrt{R_5}\sqrt{R_5}\sqrt{R_5}\sqrt{R_5}}}}} + \frac{R_5}{C_3R_1+C_3R_2-C_5R_2} + \sqrt{C_2C_5R_2\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{\sqrt{R_5}\sqrt{R_5}\sqrt{R_5}\sqrt{R_5}\sqrt{R_5}}}}} \\ \text{K-LP: } \frac{-\frac{C_3R_1R_4}{\sqrt{C_3C_5R_2R_5-C_2C_6R_4R_5-C_3C_6R_4R_5}}}{C_3C_6R_4R_5-C_3C_6R_4R_5-C_3C_6R_4R_5}} \\ \text{Wz: } \frac{1}{\sqrt{C_2\sqrt{C_5}\sqrt{R_5}\sqrt{R_5}}}} \\ \text{Wz: } \frac{1}{\sqrt{C_2\sqrt{C_5}\sqrt{R_5}\sqrt{R_5}}} \\ \text{Wz: } \frac{1}{\sqrt{C_2\sqrt{C_5}\sqrt{R_$$

10.44 X-INVALID-WZ-44 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_6R_1R_2R_6s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_6R_1R_6\right)}{-C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_4C_6R_2R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5\right)}$$

Parameters:

$$\begin{array}{l} \text{Q:} -\frac{i\sqrt{C_2}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_2R_2-C_2R_5-C_3R_5-C_4R_5} \\ \text{wo:} \ \frac{i}{\sqrt{C_2C_3R_1R_5+C_2C_3R_2R_5+C_2C_4R_2R_5}} \\ \text{bandwidth:} \ -\frac{C_2R_2-C_2R_5-C_3R_5-C_4R_5}{\sqrt{C_2}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_2C_3R_1R_5+C_2C_3R_2R_5+C_2C_4R_2R_5}} \\ \text{K-LP:} \ -\frac{C_3R_1}{C_6} \\ \text{K-HP:} \ \frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5} \\ \text{K-BP:} \ \frac{-C_2C_3R_1R_2-C_3C_6R_1R_6}{C_2C_6R_2-C_2C_6R_5-C_3C_6R_5-C_4C_6R_5} \\ \text{Qz:} \ \text{None} \\ \text{Wz:} \ \frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}} \end{array}$$

10.45 X-INVALID-WZ-45 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_5C_6R_1R_5 + C_2C_3C_5C_6R_2R_5 + C_2C_4C_5C_6R_2R_5\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_4C_6R_2 - C_2C_5C_6R_2 + C_2C_5C_6R_5 + C_3C_5C_6R_5 + C_4C_5C_6R_5\right)}$$

Parameters:

```
Q: \frac{C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_2 - C_2C_5R_2 + C_2C_5R_5 + C_3C_5R_5 + C_4C_5R_5}{\sqrt{C_2 + C_3 + C_4 - C_5}}
wo: \frac{\sqrt{C_2 + C_3 + C_4 - C_5}}{\sqrt{C_2C_3C_5R_1R_5 + C_2C_3C_5R_2R_5 + C_2C_4C_5R_2R_5}}
bandwidth: \frac{C_2C_3R_1 + C_2C_3R_2 + C_2C_4R_2 - C_2C_5R_2 + C_2C_5R_5 + C_3C_5R_5 + C_4C_5R_5}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_5}\sqrt{C_3R_1 + C_3R_2 + C_4R_2}\sqrt{C_2C_3C_5R_1R_5 + C_2C_3C_5R_2 + C_2C_4C_5R_2}}
K-LP: \frac{C_3C_5R_1}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6}}
K-HP: \frac{C_3R_1R_2R_6}{C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5}
K-BP: \frac{C_2C_3C_5R_1 + C_2C_3C_5R_1 + C_2C_3C_5R_1 + C_2C_5C_6R_1 + C_2C_5C_6R_5 + C_3C_5C_6R_5 + C_4C_5C_6R_5}{C_2C_3C_5R_1 + C_2C_3C_6R_2 + C_2C_5C_6R_2 + C_2C_5C_6R_5 + C_3C_5C_6R_5 + C_4C_5C_6R_5}
Qz: None
Wz: \frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}
```

10.46 X-INVALID-WZ-46 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_5s^2 + C_3R_1 + s\left(C_2C_3R_1R_2 + C_3C_5R_1R_5\right)}{-C_6 + s^2\left(C_2C_3C_6R_1R_5 + C_2C_3C_6R_2R_5 + C_2C_4C_6R_2R_5 - C_2C_5C_6R_2R_5\right) + s\left(-C_2C_6R_2 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$$

Parameters:

```
\mathbf{Q} \colon \frac{-\sqrt{C_2}C_3R_1\sqrt{R_5}\sqrt{-\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}-\sqrt{C_2}C_3R_2\sqrt{R_5}\sqrt{-\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}-\sqrt{C_2}C_4R_2\sqrt{R_5}\sqrt{-\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+\sqrt{C_2}C_5R_2\sqrt{R_5}\sqrt{-\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}-\frac{1}{C_2R_2-C_2R_5-C_3R_5-C_4R_5+C_5R_5}
Wo: \sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_2R_5+C_2C_4R_2R_5-C_2C_5R_2R_5}}
                                                                                     \sqrt{-\frac{1}{C_{2}C_{3}R_{1}R_{5}+C_{2}C_{3}R_{2}R_{5}+C_{2}C_{4}R_{2}R_{5}-C_{2}C_{5}R_{2}R_{5}}}(C_{2}R_{2}-C_{2}R_{5}-C_{3}R_{5}-C_{4}R_{5}+C_{5}R_{5})
K-HP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2} K-BP: \frac{-C_2C_3R_1R_2-C_3C_5R_1R_5}{C_2C_6R_2-C_2C_6R_5-C_3C_6R_5-C_4C_6R_5+C_5C_6R_5} Qz: None
Wz: \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}
```

10.47 X-INVALID-WZ-47 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_4C_5R_1R_4\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_2R_4 - C_2C_4C_5C_6R_2R_4\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_4C_6R_2 + C_2C_4C_6R_4 - C_2C_5C_6R_2 + C_3C_4C_6R_4 - C_4C_5C_6R_4\right)}$

Parameters:

```
Q: \frac{\sqrt{C_2C_3\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{C_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_3}{C_3R_1+C_3R_2-C_5R_2} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2} + \frac{C_5}{C_3R_1+C_3R_2-C_5R_2}}}{C_2C_3R_1+C_2C_3R_2+C_2C_4R_2+C_2C_4R_2+C_2C_4R_2+C_2C_4R_2+C_2C_5R_2}} - \sqrt{C_2\sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{\frac{C_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_5}{C_3R_1+C_3R_2-C_5R_2}}} - \sqrt{C_2\sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{\frac{C_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_5}{C_3R_1+C_3R_2-C_5R_2}} - \sqrt{C_2\sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{\frac{C_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_5}{C_3R_1+C_3R_2-C_5R_2}}} - \sqrt{C_2\sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{\frac{C_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2}} - \sqrt{C_2\sqrt{C_4}C_5R_2\sqrt{R_4}\sqrt{\frac{C_2}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2}} + \frac{C_4}{C_3R_1+C_3R_2-C_5R_2}} - \frac{C_5}{C_3R_1+C_3R_2-C_5R_2}} - \frac{C_5}{C_3R_1+C_3R_2-C_5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \frac{C_2 + C_3 + C_4 - C_5}{C_2 C_3 C_4 R_1 R_4 + C_2 C_3 C_4 R_2 R_4 - C_2 C_4 C_5 R_2 R_4} (C_2 C_3 R_1 + C_2 C_3 R_2 + C_2 C_4 R_2 + C_2 C_4 R_4 - C_2 C_5 R_2 + C_3 C_4 R_4 - C_4 C_5 R_4)
  \frac{\sqrt{\frac{C_2C_3C_4R_1R_4+C_2C_3C_4R_2R_4-C_2C_4C_5R_2+C_3}{C_2C_3C_4R_1\sqrt{R_4}\sqrt{\frac{C_2}{C_3R_4+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}+\frac{C_3}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R_2}-\frac{C_5}{C_3R_1+C_3R_2-C_5R
 \begin{array}{l} \text{K-LP: } \frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6} \\ \text{K-HP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2} \\ \text{K-BP: } \frac{C_2C_3C_5R_1R_2+C_3C_4C_5R_1R_4}{C_2C_3C_6R_1+C_2C_3C_6R_2+C_2C_4C_6R_2+C_2C_5C_6R_2+C_3C_4C_6R_4-C_4C_5C_6R_4} \end{array}
```

Qz: None

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}}$

10.48 X-INVALID-WZ-48 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_4C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5\right)}$

Parameters:

W0: $\frac{\sqrt{-R_4 + R_5}}{\sqrt{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_2 R_4 R_5 + C_2 C_4 R_2 R_4 R_5}}$ bandwidth: $-\frac{C_2 R_2 R_4 - C_2 R_2 R_5 - C_2 R_4 R_5 - C_3 R_4 R_5 - C_4 R_4 R_5}{\sqrt{C_2} \sqrt{R_4} \sqrt{R_5} \sqrt{C_3 R_1 + C_3 R_2 + C_4 R_2} \sqrt{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_2 R_4 R_5}}$ K-LP: $-\frac{C_3 R_1 R_4}{C_6 R_4 - C_6 R_5}$ K-HP: $\frac{C_3 R_1 R_2 R_6}{C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5}$ $-C_2 C_3 R_1 R_2 R_4 - C_3 C_6 R_1 R_4 R_6}{C_3 R_1 R_2 R_4 - C_3 C_6 R_1 R_4 R_6}$ K-BP: $\frac{-C_2C_3R_1R_2R_4 - C_3C_6R_1R_4R_6}{C_2C_6R_2R_4 - C_2C_6R_2R_5 - C_2C_6R_4R_5 - C_3C_6R_4R_5 - C_4C_6R_4R_5}$ Qz: None Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$

10.49 X-INVALID-WZ-49 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_4R_5s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_5R_1R_4R_5\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 + C_2C_3C_6R_2R_4R_5 + C_2C_4C_6R_2R_4R_5 - C_2C_5C_6R_2R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_4C_6R_4R_5 - C_5C_6R_4R_5\right)}$

Parameters:

Wo: $\sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5+C_2C_3R_2R_4R_5+C_2C_4R_2R_4R_5-C_2C_5R_2R_4R_5}}$ $\sqrt{\frac{-R_4 + R_5}{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_2 R_4 R_5 + C_2 C_4 R_2 R_4 R_5 - C_2 C_5 R_2 R_4 R_5}} (C_2 R_2 R_4 - C_2 R_2 R_5 - C_2 R_4 R_5 - C_3 R_4 R_5 - C_4 R_4 R_5 + C_5 R_4 R_5)$ $-\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+\frac{R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+\frac{R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+\frac{R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{R_5}{C_3R_1+C_3R_2+C_5R_2}+\frac{R_5}{C_3R_1+C_3R_2+C$

```
 \begin{array}{l} \text{K-HP:} \ \frac{C_3C_4R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2} \\ \text{K-BP:} \ \frac{-C_2C_3R_1R_2R_4-C_3C_5R_1R_4R_5}{C_2C_6R_2R_4-C_2C_6R_2R_5-C_2C_6R_4R_5-C_3C_6R_4R_5-C_4C_6R_4R_5+C_5C_6R_4R_5} \\ \text{Qz:} \ \text{None} \end{array} 
 Wz: \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}
```

10.50 X-INVALID-WZ-50 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_6R_1R_2R_4R_6s^2 + C_3R_1R_4 + s\left(C_2C_3R_1R_2R_4 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_4R_5 - C_2C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_4R_5 + C_2C_3C_6R_3R_4R_5\right) + s\left(-C_2C_6R_2R_4 + C_2C_6R_2R_5 + C_2C_6R_4R_5 - C_3C_6R_3R_4 + C_3C_6R_3R_5 + C_3C_6R_4R_5\right)}$

Parameters:

 $Q: \frac{-\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}-\sqrt{C_2}\sqrt{C_3}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_4}{R_1R_4R$ Wo: $\sqrt{\frac{-R_4+R_5}{C_2C_3R_1R_4R_5-C_2C_3R_2R_3R_4+C_2C_3R_2R_3R_5+C_2C_3R_2R_4R_5+C_2C_3R_3R_4R_5}}$ $\frac{R_4}{-\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}+\sqrt{C_2}\sqrt{C_3}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_5}+\frac{R_5}{R_1R_4R_5-R_2R_3R_4+R_$

 $\begin{aligned} & \text{K-HP:} & \frac{C_6R_4 - C_6R_5}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5} \\ & \text{K-BP:} & \frac{-C_2C_3R_1R_2R_4 - C_3C_6R_1R_4R_6}{C_2C_6R_2R_4 - C_2C_6R_2R_5 - C_2C_6R_4R_5 + C_3C_6R_3R_4 - C_3C_6R_3R_5 - C_3C_6R_4R_5} \\ & \text{Qz: None} & \end{aligned}$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$

10.51 X-INVALID-WZ-51 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_2C_3C_4C_6R_2R_3 - C_2C_3C_5C_6R_2R_3\right) + s\left(C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_3C_6R_3 + C_2C_4C_6R_2 - C_2C_5C_6R_2 + C_3C_4C_6R_3 - C_3C_5C_6R_3\right)}$

Parameters:

```
K-LP: \frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}
K-HP: \frac{C_5R_1R_6}{C_4R_3-C_5R_3}
 \begin{array}{l} \text{K-BP:} \ \frac{C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6}{C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_3C_6R_3 + C_2C_4C_6R_2 - C_2C_5C_6R_2 + C_3C_4C_6R_3 - C_3C_5C_6R_3} \\ \text{Qz: None} \ . \end{array} 
Wz: \frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}
```

10.52 X-INVALID-WZ-52 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_2C_3R_1R_2R_3R_4R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_3R_2R_3R_4R_5\right) + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5+C_3R_3R_4R_5}$ wo: $\frac{\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{\sqrt{C_2C_3R_1R_3R_4R_5+C_2C_3R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5+C_3R_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_2}C_3R_1R_3R_4R_5+C_2C_3R_2R_3R_4R_5}}$ K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$ K-RP: $C_2R_1R_2R_4R_6+C_2R_2R_3R_4-R_5$ K-BP: $\frac{C_2R_1R_2R_4R_6+C_3R_1R_3R_4R_6}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5+C_3R_3R_4R_5}$ Qz: None Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}}$

10.53 X-INVALID-WZ-53
$$Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4\right)}{C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_3C_6R_2R_3R_4 - C_2C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 - C_5C_6R_3R_4\right)}$$

$$Q: \frac{\sqrt{C_2C_3R_1\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} + \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} - \sqrt{C_2C_5R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}}{C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4+C_5R_3R_4} \\ wo: \sqrt{R_3+R_4}\sqrt{\frac{1}{C_2C_3R_1R_3R_4+C_2C_3R_2R_3R_4-C_2C_5R_2R_3R_4}} \\ bandwidth: \frac{\sqrt{R_3+R_4}(C_2R_1R_4+C_2R_2R_3+C_2R_2R_4+C_2R_3R_4+C_3R_3R_4-C_5R_3R_4)\sqrt{\frac{1}{C_2C_3R_1R_3R_4+C_2C_5R_2R_3R_4}}}{\sqrt{C_2C_3R_1\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}} + \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}} - \sqrt{C_2C_5R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}}} \\ K-LP: \frac{C_5R_1R_4}{C_6R_3+C_6R_4} \\ K-HP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}}{C_3C_6R_1R_4+C_2C_6R_2R_4+C_3C_6R_3R_4-C_5C_6R_3R_4} \\ Q_Z: None \\ Wz: \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_2}\sqrt{R_3}}} \\ wz: \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_2}\sqrt{R_3}}}} \\ wz: \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_2}\sqrt{R_3}}} \\ wz: \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}}} \\ wz: \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}\sqrt{R_3}} \\ \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_3}\sqrt{R_3}$$

10.54 X-INVALID-WZ-54 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_2C_3R_1R_2R_3R_6s^2 + R_1R_6 + s\left(C_2R_1R_2R_6 + C_3R_1R_3R_6\right)}{-R_3 + R_5 + s^2\left(C_2C_3R_1R_3R_5 + C_2C_3R_2R_3R_5 + C_2C_4R_2R_3R_5\right) + s\left(C_2R_1R_5 - C_2R_2R_3 + C_2R_2R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5\right)}$$

Parameters:

```
\begin{array}{l} \text{Q: } \frac{\sqrt{C_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-R_3+R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}}{C_2R_1R_5-C_2R_2R_3+C_2R_2R_5+C_2R_3R_5+C_3R_3R_5+C_4R_3R_5}\\ \text{wo: } \frac{\sqrt{-R_3+R_5}}{\sqrt{C_2C_3R_1R_3R_5+C_2C_3R_2R_3R_5+C_2C_4R_2R_3R_5}}\\ \text{bandwidth: } \frac{C_2R_1R_5-C_2R_2R_3+C_2R_2R_5+C_2R_3R_5+C_3R_3R_5+C_4R_3R_5}{\sqrt{C_2}\sqrt{R_3}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_2C_3R_1R_3R_5+C_2C_3R_2R_3R_5+C_2C_4R_2R_3R_5}}\\ \text{K-LP: } -\frac{R_1R_6}{R_3-R_5}\\ \text{K-HP: } \frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}\\ \text{K-BP: } \frac{C_2R_1R_5-C_2R_2R_3+C_2R_3R_5+C_4R_3R_6}{C_2R_1R_2R_6+C_3R_1R_3R_6}\\ \text{Qz: None} \\ \text{Wz: } \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}} \end{array}
```

10.55 X-INVALID-WZ-55 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_3C_5R_1R_2R_3s^2 + C_5R_1 + s\left(C_2C_5R_1R_2 + C_3C_5R_1R_3\right)}{C_6 + s^2\left(C_2C_3C_6R_1R_3 + C_2C_3C_6R_2R_3 + C_2C_4C_6R_2R_3 - C_2C_5C_6R_2R_3\right) + s\left(C_2C_6R_1 + C_2C_6R_2 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

Parameters:

$$Q: \frac{\sqrt{C_2C_3R_1\sqrt{R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2C_4R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} - \sqrt{C_2C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} \\ \text{wo: } \sqrt{\frac{1}{C_2C_3R_1R_3+C_2C_3R_2R_3+C_2C_4R_2R_3-C_2C_5R_2R_3}} \\ \text{bandwidth: } \frac{(C_2R_1+C_2R_2+C_2R_3+C_3R_3+C_4R_3-C_5R_3)\sqrt{\frac{1}{C_2C_3R_1R_3+C_2C_3R_2R_3+C_2C_4R_2R_3-C_2C_5R_2R_3}}}{\sqrt{C_2C_3R_1\sqrt{R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}}} + \sqrt{C_2}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} \\ \text{K-LP: } \frac{C_5R_1}{C_6} \\ \text{K-HP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_3-C_5C_6R_2}} \\ \text{K-BP: } \frac{C_3C_5R_1R_2}{C_2C_6R_1+C_2C_6R_2+C_2C_6R_3+C_3C_6R_3+C_4C_6R_3-C_5C_6R_3}} \\ \text{Qz: None} \\ \text{Wz: } \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}} \\ \end{aligned}$$

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10.56 X-INVALID-WZ-56 Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)
```

$$H(s) = \frac{C_2C_3R_1R_2R_3R_4R_6s^2 + R_1R_4R_6 + s\left(C_2R_1R_2R_4R_6 + C_3R_1R_3R_4R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_2C_3R_1R_3R_4R_5 + C_2C_3R_2R_3R_4R_5 + C_2C_4R_2R_3R_4R_5\right) + s\left(C_2R_1R_4R_5 - C_2R_2R_3R_4 + C_2R_2R_3R_5 + C_2R_2R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 + C_4R_3R_4R_5\right)}$$

Q: $\frac{\sqrt{C_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{-R_3R_4+R_3R_5+R_4R_5}}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5+C_3R_3R_4R_5+C_4R_3R_4R_5}$ wo: $\frac{\sqrt{-R_3}R_4+R_3R_5+R_4R_5}{\sqrt{C_2C_3R_1R_3R_4R_5+C_2C_3R_2R_3R_4+C_2C_4R_2R_3R_4R_5}}$ bandwidth: $\frac{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_3R_5+C_2R_2R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5}{\sqrt{C_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_2}C_3R_1R_3R_4R_5+C_2C_3R_2R_3R_4+C_2C_4R_2R_3R_4R_5}}$ K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$ K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}$ K-BP: $\frac{C_2R_1R_2R_4R_6+C_3R_1R_3R_4R_6}{C_2R_1R_4R_5-C_2R_2R_3R_4+C_2R_2R_4R_5+C_2R_3R_4R_5+C_4R_3R_4R_5}$ Qz: None
Wz: $\frac{1}{R_2R_4R_5}$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}}$

10.57 X-INVALID-WZ-57 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_2C_3C_5R_1R_2R_3R_4s^2 + C_5R_1R_4 + s\left(C_2C_5R_1R_2R_4 + C_3C_5R_1R_3R_4\right)}{C_6R_3 + C_6R_4 + s^2\left(C_2C_3C_6R_1R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_2C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_4 + C_2C_6R_2R_3 + C_2C_6R_2R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_4C_6R_3R_4 - C_5C_6R_3R_4\right)}$

Parameters:

 $Q: \frac{\sqrt{C_2C_3R_1\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_2C_4R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} - \sqrt{C_2C_5R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}}} \\ - \sqrt{C_2C_3R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}}} - \sqrt{C_2C_5R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}}}} \\ - \sqrt{C_2C_3R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_4R_3R_4+C_5R_3R_4+C_5R_3R_4}}}} - \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_4R_3R_4+C_5R_3R_4}}}} \\ - \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3+C_4R_3+C_4R_3+C_5R_3}}}} \\ - \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_4R_3R_4+C_5R_3R_4}}}} \\ - \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_5R_3R_4}}}}} \\ - \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_5R_3R_4}}}}} \\ - \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_5R_3R_4}}}}} \\ - \sqrt{C_2C_3R_2\sqrt{R_3}\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_5R_3R_4}}}} \\ - \sqrt{C_2C_3R_3\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3R_4+C_5R_3R_4}}}} \\ - \sqrt{C_2C_3R_3\sqrt{R_4\sqrt{R_3+R_4}\sqrt{\frac{1}{C_3R_4+C_4R_3+C_5R_3}}}}} \\ - \sqrt{C_2C_3R_3\sqrt{$

 $\frac{\cdot}{\sqrt{R_3 + R_4}(C_2 R_1 R_4 + C_2 R_2 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4)} \sqrt{\frac{1}{C_2 C_3 R_1 R_3 R_4 + C_2 C_3 R_2 R_3 R_4 + C_2 C_5 R_2 R_3 R_4}} \sqrt{\frac{1}{C_3 C_3 R_1 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} + \sqrt{C_2} C_3 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}} \sqrt{C_2} C_4 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}{2C_4 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}{2C_4 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}{2C_4 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}{2C_4 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}{2C_4 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_2} C_5 R_2 \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_3 R_1 + C_3 R_2 + C_4 R_2 - C_5 R_2}}}} \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_3} \sqrt{R_4} \sqrt$ $\begin{array}{c} \text{K-LP: } \frac{C_5R_1R_4}{C_6R_3+C_6R_4} \\ \text{K-HP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2} + \sqrt{C_2C_3}R_2\sqrt{R_3}\sqrt{R_4}\sqrt{R_5} \\ \text{K-BP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2} \\ \text{K-BP: } \frac{C_2C_5R_1R_2R_4+C_3C_5R_1R_3R_4}{C_2C_6R_1R_4+C_2C_6R_2R_3+C_2C_6R_2R_4+C_2C_6R_3R_4+C_3C_6R_3R_4+C_4C_6R_3R_4-C_5C_6R_3R_4} \\ \text{Qz: None} \end{array}$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}}$

10.58 X-INVALID-WZ-58 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3, R_4 + \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_4C_5C_6R_1R_2R_4R_6s^2 + C_5R_1R_2 + s\left(C_4C_5R_1R_2R_4 + C_5C_6R_1R_2R_6\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_2C_4C_6R_1R_2R_4 + C_2C_4C_6R_2R_3R_4 - C_4C_5C_6R_2R_3R_4\right) + s\left(C_2C_6R_1R_2 + C_4C_6R_2R_3 + C_4C_6R_3 + C_4C_6R_3 + C_4C_6R_3 + C_4C_6R_3 + C_4C_6R_$

Parameters:

 $\text{Q:} \ \frac{ {}^{C_{2}\sqrt{C_{4}}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + C_{2}\sqrt{C_{4}}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} - \sqrt{C_{4}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} - C_{2}R_{1}R_{2}+C_{2}R_{2}R_{3}+C_{4}R_{2}R_{4}+C_{4}R_{2}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{2}R_{3}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{2}R_{3}+C_{4}R_{2}R_{4}+C_{4}R_{3}R_{4}-C_{5}R_{2}R_{3}}$

wo: $\sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_2 C_4 R_1 R_2 R_4 + C_2 C_4 R_2 R_3 R_4 - C_4 C_5 R_2 R_3 R_4}}$

 $\text{bandwidth: } \frac{\sqrt{R_1 + R_2 + R_3}(C_2R_1R_2 + C_2R_2R_3 + C_4R_1R_4 + C_4R_2R_3 + C_4R_2R_4 + C_4R_3R_4 - C_5R_2R_3)\sqrt{\frac{1}{C_2C_4R_1R_2R_4 + C_2C_4R_2R_3R_4 - C_4C_5R_2R_3R_4}}}{C_2\sqrt{C_4}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_1 + R_2 + R_3}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_2\sqrt{C_4}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_1 + R_2 + R_3}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - \sqrt{C_4}C_5\sqrt{R_2}R_3\sqrt{R_4}\sqrt{R_1 + R_2 + R_3}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}}}$

 $\begin{array}{l} \text{K-LP: } \frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3} \\ \text{K-HP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3} \end{array}$

K-BP: $\frac{C_2R_1 + C_2R_3 - C_5R_3}{C_2C_6R_1R_2 + C_5C_6R_1R_2 + C_5C_6R_1R_2R_6}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.59 X-INVALID-WZ-59
$$Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_4C_5R_1R_2R_4R_5R_6s^2 + R_1R_2R_6 + s\left(C_4R_1R_2R_4R_6 + C_5R_1R_2R_5R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_2C_4R_1R_2R_4R_5 + C_2C_4R_2R_3R_4R_5 - C_4C_5R_2R_3R_4R_5\right) + s\left(C_2R_1R_2R_5 + C_2R_2R_3R_5 + C_4R_2R_3R_4 + C_4R_2R_3R_5 + C_4R_2R_4R_5 + C_4R_2R_4R_5 + C_5R_2R_3R_5\right)}$$

 $\underbrace{ \frac{C_2\sqrt{C_4}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_2R_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_3R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_2R_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} - \frac{R_2R_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac$ $\frac{R_{1}R_{5}-R_{2}R_{3}+R_{2}R_{5}+R_{3}R_{5}}{C_{2}C_{4}R_{1}R_{2}R_{3}+C_{2}C_{4}R_{2}R_{3}R_{4}+C_{4}R_{2}R_{3}R_{5}+C_{4}R_{2}R_{$

K-BP: $\frac{C_4R_1R_2R_4R_6+C_5R_1R_2R_5R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_4R_1R_4R_5-C_4R_2R_3R_4+C_4R_2R_3R_5+C_4R_2R_4R_5+C_4R_3R_4R_5-C_5R_2R_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}}$

10.60 X-INVALID-WZ-60 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, R_4, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}-C_5R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2R_4+R_2R_5+R_4R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}-C_5R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$ $\begin{array}{l} \text{K-BP:} \ \frac{C_2}{C_2C_6R_2R_5+C_3C_6R_1R_2R_6} \\ \text{Qz: None} \end{array}$

10.61 X-INVALID-WZ-61 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{C_2C_3C_6R_1R_2R_5s^2 - C_6R_2 + C_6R_5 + s\left(C_2C_6R_2R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$$

Parameters:

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

Q: $\frac{\sqrt{C_2\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2+R_5}}}{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}-C_5R_2\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_2+R_5}}{\sqrt{C_2\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}}}$ bandwidth: $\frac{C_2R_2\sqrt{R_5}+C_3R_1\sqrt{R_5}+C_3R_2\sqrt{R_5}+C_4R_2\sqrt{R_5}-C_5R_2\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_5}}$ K-BP: $\frac{C_2C_5R_1R_2R_5+C_3C_6R_1R_2R_6}{C_2C_6R_2R_5+C_3C_6R_1R_5+C_3C_6R_2R_5+C_4C_6R_2R_5-C_5C_6R_2R_5}$ Qz: None Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.62 X-INVALID-WZ-62 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_4R_5s^2 - C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s\left(C_2C_6R_2R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_4C_6R_2R_4R_5 - C_5C_6R_2R_4R_5\right)}$$

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Q: \frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-R_2}R_4 + R_2R_5 + R_4R_5}{C_2R_2\sqrt{R_4}\sqrt{R_5} + C_3R_1\sqrt{R_4}\sqrt{R_5} + C_3R_2\sqrt{R_4}\sqrt{R_5} + C_4R_2\sqrt{R_4}\sqrt{R_5} - C_5R_2\sqrt{R_4}\sqrt{R_5}}
                   wo: \frac{\sqrt{-R_2R_4+R_5+C_3R_1\sqrt{R_4\sqrt{R_5}}}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}}
bandwidth: \frac{C_2R_2\sqrt{R_4}\sqrt{R_5}+C_3R_1\sqrt{R_4}\sqrt{R_5}+C_3R_2\sqrt{R_4}\sqrt{R_5}+C_4R_2\sqrt{R_4}\sqrt{R_5}-C_5R_2\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}
               K-BP: \frac{C_3C_5R_1R_2R_5+C_3C_6R_1R_2R_6}{C_2C_6R_2R_5+C_3C_6R_1R_5+C_3C_6R_2R_5+C_4C_6R_2R_5-C_5C_6R_2R_5} Qz: None
                 Wz: \frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}
10.63 X-INVALID-WZ-63 Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                       H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_3C_6R_2R_3R_4R_5 - C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_2R_3R_5 + C_3C_6R_3R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_3R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6R_5 + C_3C_6
          Parameters:
                    \frac{-R_2R_4+R_2R_5+R_4R_5}{\sqrt{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4R_5}}(C_2R_2R_4R_5+C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C
                   \begin{array}{l} \text{K-LP:} \ -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5} \\ \text{K-HP:} \ \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3} \end{array}
                 Wz: \frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}
10.64 X-INVALID-WZ-64 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                   H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^2\left(C_2C_3C_6R_1R_2R_5 + C_2C_3C_6R_2R_3R_5 + C_3C_4C_6R_2R_3R_5 - C_3C_5C_6R_2R_3R_5\right) + s\left(C_2C_6R_2R_5 + C_3C_6R_2R_3 + C_3C_6R_2R_3 + C_3C_6R_2R_5 + C_3C_6R_2R_5 + C_3C_6R_2R_5\right)}
          Parameters:
                     Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_5}\sqrt{-\frac{R_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}{C_2R_2R_3\sqrt{R_5}\sqrt{-\frac{R_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{R_5}\sqrt{-\frac{R_2}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \sqrt{C_3}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C_4\sqrt{R_2}C
                    \frac{-R_2 + R_5}{\sqrt{C_2 C_3 R_1 R_2 R_5 + C_2 C_3 R_2 R_3 + C_3 C_5 R_2 R_3 F_5}} (C_2 R_2 R_5 + C_3 R_1 R_5 - C_3 R_2 R_3 + C_3 R_2 R_5 + C_3 R_3 R_5 + C_4 R_2 R_5 - C_5 R_2 R_5)}{C_2 \sqrt{C_3} R_1 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_2 \sqrt{C_3} \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 \sqrt{R_5} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + \sqrt{C_3} C_4 \sqrt{R_2} R_3 - C_5 R_3} \sqrt{-\frac{R_2}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + 
                 \begin{array}{l} \text{K-LP:} \ -\frac{C_3R_1R_2}{C_6R_2-C_6R_5} \\ \text{K-HP:} \ \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{K-BP:} \ \frac{C_3C_5R_1R_2R_5+C_3C_6R_1R_2R_6}{C_2C_6R_2R_5+C_3C_6R_1R_5-C_3C_6R_2R_3+C_3C_6R_2R_5+C_3C_6R_3R_5+C_4C_6R_2R_5-C_5C_6R_2R_5} \\ \text{Qz: None} \end{array} 
                    Wz: \frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}
10.65 X-INVALID-WZ-65 Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, R_3 + \frac{1}{C_3s}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6 + \frac{1}{C_6s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)
                                                 \overline{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4R_5 + C_3C_6R_2R_3R_4 + C_3C_6R_3R_4 + C_3C_6R_
        Parameters:
                     Q: \frac{C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \sqrt{C_3}C_4\sqrt{R_2}Q_4\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \sqrt{C_3}C_4\sqrt{R_2}Q_4\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \frac{R_4R_5}{C_2R_1+C_2R_
                \frac{-R_2R_4+R_2R_5+R_4R_5}{C_2C_3R_1R_2R_4R_5+C_2C_3R_2R_3R_4+C_3C_3R_2R_3R_4+C_3C_3R_2R_3R_4+C_3R_2R_3R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_3R_2R_4R_5+C_
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Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.66 X-INVALID-WZ-66 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_3R_4s^2 + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s\left(C_2C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{C_2R_1R_2\sqrt{R_4}+C_2R_2R_3\sqrt{R_4}+C_3R_1R_3\sqrt{R_4}+C_3R_2R_3\sqrt{R_4}-C_5R_2R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_1R_4+R_2R_3+R_2R_4+R_3R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4}+C_2R_2R_3\sqrt{R_4}+C_3R_1R_3\sqrt{R_4}+C_3R_2R_3\sqrt{R_4}-C_5R_2R_3\sqrt{R_4}}{C_2C_3R_1R_2R_3\sqrt{R_4}}$

 $\begin{array}{c} \text{K-LP:} \ \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4} \\ \text{K-HP:} \ \frac{C_5R_6}{C_2} \end{array}$

K-BP: $\frac{C_2}{C_2C_6R_1R_2+C_2C_6R_2R_3+C_5C_6R_1R_2R_6}{Qz: \text{ None}}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.67 X-INVALID-WZ-67 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)}{C_2C_3R_1R_2R_3R_4R_5s^2 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s\left(C_2R_1R_2R_4R_5 + C_2R_2R_3R_4R_5 + C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 - C_5R_2R_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_4R_5} - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5} + C_3R_2R_3\sqrt{R_4}\sqrt{R_5} - C_5R_2R_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{R_1R_4R_5} - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5} + C_3R_2R_3\sqrt{R_4}\sqrt{R_5} - C_5R_2R_3\sqrt{R_4}\sqrt{R_5}}{C_2C_3R_1R_2R_3\sqrt{R_4}\sqrt{R_5}}$ K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2}{C_2R_1R_2R_5+C_2R_2R_3R_6+C_5R_1R_2R_5R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_3R_1R_3R_5+C_3R_2R_3R_5-C_5R_2R_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.68 X-INVALID-WZ-68 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_5C_6R_1R_2R_6\right)}{C_2C_3C_6R_1R_2R_3s^2 + C_6R_1 + C_6R_2 + C_6R_3 + s\left(C_2C_6R_1R_2 + C_2C_6R_2R_3 + C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}}{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}$ wo: $\frac{\sqrt{R_1+R_2+R_3}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $\frac{C_2R_1R_2+C_2R_2R_3+C_3R_1R_3+C_3R_2R_3+C_4R_2R_3-C_5R_2R_3}{C_2C_3R_1R_2R_3}$

K-LP: $\frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2C_5R_1R_2R_3+C_5C_6R_1R_2R_6}{C_2C_6R_1R_2+C_2C_6R_2R_3+C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3-C_5C_6R_2R_3}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.69 X-INVALID-WZ-69
$$Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_1R_2R_3R_5R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_5R_1R_2R_5R_6\right)}{C_2C_3R_1R_2R_3R_5s^2 + R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s\left(C_2R_1R_2R_5 + C_2R_2R_3R_5 + C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_5 - C_5R_2R_3R_5\right)}$$

Q: $\frac{\sqrt{C_2\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_5}-R_2R_3+R_2R_5+R_3R_5}}{C_2R_1R_2\sqrt{R_5}+C_2R_2R_3\sqrt{R_5}+C_3R_1R_3\sqrt{R_5}+C_3R_2R_3\sqrt{R_5}+C_4R_2R_3\sqrt{R_5}-C_5R_2R_3\sqrt{R_5}}}$ wo: $\frac{\sqrt{R_1R_5-R_2R_3+R_2R_5+R_3R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_5}+C_2R_2R_3\sqrt{R_5}+C_3R_1R_3\sqrt{R_5}+C_3R_2R_3\sqrt{R_5}+C_4R_2R_3\sqrt{R_5}-C_5R_2R_3\sqrt{R_5}}{C_2C_3R_1R_2R_3\sqrt{R_5}}$

K-LP: $\frac{R_1R_2R_6}{R_1R_5-R_2R_3+R_2R_5+R_3R_5}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_3R_1R_2R_3R_6+C_5R_1R_2R_5R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_2R_3R_5-C_5R_2R_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.70 X-INVALID-WZ-70 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_2C_3C_6R_1R_2R_3R_4s^2 + C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + c\left(C_3C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} + C_4R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}}$ wo: $\frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4} + C_2R_2R_3\sqrt{R_4} + C_3R_1R_3\sqrt{R_4} + C_3R_2R_3\sqrt{R_4} + C_4R_2R_3\sqrt{R_4} - C_5R_2R_3\sqrt{R_4}}{C_2C_3R_1R_2R_3\sqrt{R_4}}$

K-LP: $\frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_3C_5R_1R_2R_3+C_5C_6R_1R_2R_6}{C_2C_6R_1R_2+C_2C_6R_2R_3+C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3-C_5C_6R_2R_3}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.71 X-INVALID-WZ-71 $Z(s) = \left(R_1, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)}{C_2C_3R_1R_2R_3R_4R_5s^2 + R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + s\left(C_2R_1R_2R_4R_5 + C_2R_2R_3R_4R_5 + C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 + C_4R_2R_3R_4R_5 - C_5R_2R_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_2\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}}\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5} + C_3R_2R_3\sqrt{R_4}\sqrt{R_5} + C_4R_2R_3\sqrt{R_4}\sqrt{R_5} - C_5R_2R_3\sqrt{R_4}\sqrt{R_5}}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}}$ wo: $\frac{\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}}}$ bandwidth: $\frac{C_2R_1R_2\sqrt{R_4}\sqrt{R_5} + C_2R_2R_3\sqrt{R_4}\sqrt{R_5} + C_3R_1R_3\sqrt{R_4}\sqrt{R_5} + C_3R_2R_3\sqrt{R_4}\sqrt{R_5} + C_4R_2R_3\sqrt{R_4}\sqrt{R_5} - C_5R_2R_3\sqrt{R_4}\sqrt{R_5}}}{C_2C_3R_1R_2R_3\sqrt{R_4}\sqrt{R_5}}}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_3R_1R_2R_3R_6+C_5R_1R_2R_5R_6}{C_2R_1R_2R_5+C_2R_2R_3R_5+C_3R_1R_3R_5+C_3R_2R_3R_5+C_4R_2R_3R_5-C_5R_2R_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.72 X-INVALID-WZ-72 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_2R_4R_6s^2 + C_3C_5R_2 + s\left(C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_6\right)}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_4 - C_1C_4C_5C_6R_2R_4\right) + s\left(C_1C_3C_6R_2 + C_1C_4C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_3C_4C_6R_4\right)}$$

$$\text{Q: } \frac{\sqrt{C_1}C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}}-\sqrt{C_1}\sqrt{C_4}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_3-C_5}}}{C_1C_3R_2+C_1C_4R_2+C_1C_4R_4-C_1C_5R_2+C_3C_4R_4}$$

wo: $\sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_3 C_4 R_2 R_4 - C_1 C_4 C_5 R_2 R_4}}$ bandwidth: $\frac{\sqrt{C_1 + C_3}(C_1 C_3 R_2 + C_1 C_4 R_2 + C_1 C_4 R_4 - C_1 C_5 R_2 + C_3 C_4 R_4) \sqrt{\frac{1}{C_1 C_3 C_4 R_2 R_4 - C_1 C_4 C_5 R_2 R_4}}}{\sqrt{C_1} C_3 \sqrt{C_4} \sqrt{R_2} \sqrt{R_4} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 - C_5}} - \sqrt{C_1} \sqrt{C_4} C_5 \sqrt{R_2} \sqrt{R_4} \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_3 - C_5}}}$ K-LP: $\frac{C_3C_5R_2}{C_1C_6+C_3C_6}$ K-HP: $\frac{C_3C_5R_6}{C_1C_3-C_1C_5}$

K-BP: $\frac{C_3C_4C_5R_2R_4+C_3C_5C_6R_2R_6}{C_1C_3C_6R_2+C_1C_4C_6R_2+C_1C_4C_6R_4-C_1C_5C_6R_2+C_3C_4C_6R_4}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.73 X-INVALID-WZ-73 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6 + s\left(C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_2R_4R_5 - C_1C_4C_5R_2R_4R_5\right) + s\left(C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 - C_1C_5R_2R_5 + C_3C_4R_4R_5\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{C_{1}R_{2}}{C_{3}-C_{5}}+\frac{C_{3}R_{5}}{C_{3}-C_{5}}}-\sqrt{C_{1}}\sqrt{C_{4}}C_{5}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{C_{1}R_{2}}{C_{3}-C_{5}}+\frac{C_{3}R_{5}}{C_{3}-C_{5}}}}\\ &\quad \qquad C_{1}C_{3}R_{2}R_{5}-C_{1}C_{4}R_{2}R_{4}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{5}R_{2}R_{5}+C_{3}C_{4}R_{4}R_{5}}\\ \text{wo:} \quad \sqrt{\frac{-C_{1}R_{2}+C_{1}R_{5}+C_{3}R_{5}}{C_{1}C_{3}C_{4}R_{2}R_{4}+C_{1}C_{4}C_{5}R_{2}R_{4}R_{5}}}\\ \text{bandwidth:} \quad \frac{\sqrt{\frac{-C_{1}R_{2}+C_{1}R_{5}+C_{3}R_{5}}{C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}-C_{1}C_{4}C_{5}R_{2}R_{4}R_{5}}}}{\sqrt{C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}-C_{1}C_{4}C_{5}R_{2}R_{4}R_{5}}}(C_{1}C_{3}R_{2}R_{5}-C_{1}C_{4}R_{2}R_{4}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{4}R_{5}-C_{1}C_{5}R_{2}R_{5}+C_{3}C_{4}R_{4}R_{5}})\\ \text{bandwidth:} \quad \frac{\sqrt{\frac{-C_{1}R_{2}+C_{1}R_{5}+C_{3}R_{5}}{C_{1}C_{3}C_{4}R_{2}R_{4}R_{5}-C_{1}C_{4}C_{5}R_{2}R_{4}R_{5}}}(C_{1}C_{3}R_{2}R_{5}-C_{1}C_{4}R_{2}R_{4}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{4}R_{5}-C_{1}C_{5}R_{2}R_{5}+C_{3}C_{5}R_{5}}}{\sqrt{C_{1}C_{3}C_{4}C_{5}R_{2}R_{4}R_{5}}-C_{1}C_{4}C_{5}R_{2}R_{4}R_{5}}}(C_{1}C_{3}R_{2}R_{5}-C_{1}C_{4}R_{2}R_{4}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{4}R_{4}R_{5}-C_{1}C_{5}R_{2}R_{5}+C_{3}C_{5}R_{5}}}\\ \text{bandwidth:} \quad \frac{C_{3}R_{2}R_{6}}{\sqrt{C_{1}C_{3}C_{4}C_{4}R_{4}R_{5}-C_{1}C_{4}R_{2}R_{5}+C_{1}C_{5}R_{2}R_{5}R_{5}}}{C_{1}C_{3}C_{4}C_{5}R_{2}R_{4}R_{5}-C_{1}C_{5}R_{2}R_{5}+C_{3}C_{5}R_{5}}}\\ \text{K-LP:} \quad -\frac{C_{3}R_{2}R_{6}}{C_{1}C_{3}-C_{1}C_{5}}}{C_{1}C_{3}C_{5}C_{5}R_{2}R_{5}+C_{1}C_{4}R_{4}R_{5}-C_{1}C_{5}R_{2}R_{5}+C_{3}C_{5}R_{5}}}\\ \text{K-BP:} \quad \frac{C_{3}C_{4}R_{2}R_{4}R_{6}+C_{3}C_{5}R_{2}R_{5}R_{5}}{C_{1}C_{3}R_{2}R_{5}+C_{1}C_{4}R_{2}R_{5}+C_{1}C_{5}R_{2}R_{5}+C_{3}C_{5}R_{5}+C_{3}C_{4}R_{4}R_{5}}}\\ \text{Qz:} \quad \text{None} \\ \text{Wz:} \quad \frac{1}{\sqrt{C_{4}\sqrt{C_{5}}\sqrt{R_{4}}\sqrt{R_{5}}}} \\ \end{array}$$

10.74 X-INVALID-WZ-74 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_3C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}}{C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4}}\\ \text{Wo: } \sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}\\ \text{bandwidth: } \frac{(C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}}{\sqrt{C_{1}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}-C_{5}}}}\\ \text{K-LP: } \frac{C_{5}R_{2}}{C_{6}}\\ \text{K-HP: } \frac{C_{3}C_{5}R_{6}}{C_{1}C_{3}-C_{1}C_{5}}\\ \text{K-BP: } \frac{C_{3}C_{5}R_{2}R_{3}R_{4}+C_{5}C_{6}R_{2}R_{4}R_{6}}{C_{1}C_{6}R_{2}R_{3}+C_{1}C_{6}R_{2}R_{4}+C_{1}C_{6}R_{3}R_{4}+C_{3}C_{6}R_{3}R_{4}}\\ \text{Qz: None}\\ \text{Wz: } \frac{1}{\sqrt{C_{3}}\sqrt{C_{6}}\sqrt{R_{3}}\sqrt{R_{6}}} \end{array}$$

10.75 X-INVALID-WZ-75 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_3R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5\right)}$$

$$\begin{aligned} & Q \colon \frac{-\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3-C_5}} + \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3-C_5}}}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5} \\ & \text{wo: } \sqrt{\frac{1}{C_1C_3R_2R_3-C_1C_5R_2R_3}} \\ & \text{bandwidth: } \frac{(C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5)\sqrt{\frac{1}{C_1C_3R_2R_3-C_1C_5R_2R_3}}}{-\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3-C_5}} + \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3-C_5}}} \end{aligned}$$

K-LP: $\frac{R_2R_6}{R_5}$ K-HP: $\frac{C_3C_5R_6}{C_1C_3-C_1C_5}$

K-BP: $\frac{-C_3R_2R_3R_4R_6-C_5R_2R_4R_5R_6}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.76 X-INVALID-WZ-76 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_3R_6s^2 + C_5R_2 + s\left(C_3C_5R_2R_3 + C_5C_6R_2R_6\right)}{C_6 + s^2\left(C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3\right)}$$

Parameters:

Q:
$$\frac{\sqrt{C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}}{C_{1}R_{2}+C_{1}R_{3}+C_{3}R_{3}}$$
wo:
$$\sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}$$
bandwidth:
$$\frac{(C_{1}R_{2}+C_{1}R_{3}+C_{3}R_{3})\sqrt{\frac{1}{C_{1}C_{3}R_{2}R_{3}+C_{1}C_{4}R_{2}R_{3}-C_{1}C_{5}R_{2}R_{3}}}{\sqrt{C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} + \sqrt{C_{1}C_{4}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}} - \sqrt{C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}}$$

K-HP: $\frac{C_{3}C_{5}R_{6}}{C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}}$ K-BP: $\frac{C_{3}C_{5}R_{2}R_{3}+C_{5}C_{6}R_{2}R_{6}}{C_{1}C_{6}R_{2}+C_{1}C_{6}R_{3}+C_{3}C_{6}R_{3}}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.77 X-INVALID-WZ-77 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_5R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_6 + C_5R_2R_5R_6\right)}{R_5 + s^2\left(C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_3R_3R_5\right)}$$

Parameters:

Q:
$$\frac{-\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_3+C_4-C_5}}-\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_3+C_4-C_5}}+\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_3+C_4-C_5}}}{\frac{C_1R_2R_3}{C_3+C_4-C_5}-C_1R_3R_5-C_3R_3R_5}$$

 $\text{wo: } \sqrt{\frac{1}{C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}} \\ \text{bandwidth: } \frac{(C_1R_2R_3 - C_1R_2R_5 - C_1R_3R_5 - C_3R_3R_5)\sqrt{\frac{1}{C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}}{-\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_3 + C_4 - C_5}}} - \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_3 + C_4 - C_5}}}$

K-LP: $\frac{R_2R_6}{R_5}$

 $\begin{array}{l} \text{K-HP:} \ \frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5} \\ \text{K-BP:} \ \frac{C_3R_2R_3R_6-C_5R_2R_5R_6}{C_1R_2R_3-C_1R_2R_5-C_1R_3R_5-C_3R_3R_5} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.78 X-INVALID-WZ-78 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_3C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4\right)}$$

Parameters:

$$\text{Q: } \frac{\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3+C_4-C_5}}+\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3+C_4-C_5}}-\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_3R_3R_4}$$

 $(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$ bandwidth: $\frac{(C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_1C_3R_2R_3+C_1C_4R_3+C_1C_4R_3+C_$

 $\begin{array}{l} \text{K-LP: } \frac{C_5R_2}{C_6} \\ \text{K-HP: } \frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5} \\ \text{K-BP: } \frac{C_3C_5R_6}{C_1C_6R_2R_3+C_1C_6R_2R_4+C_5C_6R_2R_4R_6} \\ \text{Conv. Novel 2} \end{array}$

Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.79 X-INVALID-WZ-79
$$Z(s) = \left(\frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_3R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5\right)}$$

Parameters:

 $Q \colon \frac{-\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3+C_4-C_5}}-\sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3+C_4-C_5}}+\sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}$ bandwidth: $\frac{(C_1R_2R_3R_4 - C_1R_2R_3R_5 - C_1R_2R_4R_5 - C_1R_3R_4R_5 - C_3R_3R_4R_5)\sqrt{\frac{1}{C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}{-\sqrt{C_1}C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3 + C_4 - C_5}} - \sqrt{C_1}C_4\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3 + C_4 - C_5}} + \sqrt{C_1}C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_3 + C_4 - C_5}}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: $\frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}$ K-BP: $\frac{-C_3R_2R_3R_4R_6-C_5R_2R_4R_5R_6}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_3R_3R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.80 X-INVALID-WZ-80 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_4R_5R_6s^2 + C_3R_6 + s\left(C_3C_4R_4R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^2\left(C_1C_2C_4R_4R_5 + C_1C_3C_4R_4R_5 - C_1C_4C_5R_4R_5 + C_2C_3C_4R_4R_5\right) + s\left(C_1C_2R_5 + C_1C_3R_5 - C_1C_4R_4 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}$$

Parameters:

$$Q: \frac{C_{1}^{\frac{3}{2}}C_{2}\sqrt{C_{4}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}^{\frac{3}{2}}C_{3}\sqrt{C_{4}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{4}}C_{5}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \sqrt{C_{1}}C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{4}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \sqrt{C_{1}}C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}^{\frac{3}{2}}\sqrt{C_{1}C_{3}-C_{1}C_{5}+C_{$$

wo: $\sqrt{C_1}\sqrt{-\frac{1}{C_1C_2C_4R_4R_5+C_1C_3C_4R_4R_5-C_1C_4C_5R_4R_5+C_2C_3C_4R_4R_5}}$

K-LP: $-\frac{C_3R_6}{C_1}$

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: $\frac{C_3C_4R_4R_6+C_3C_5R_5R_6}{C_1C_2R_5+C_1C_3R_5-C_1C_4R_4+C_1C_4R_5-C_1C_5R_5+C_2C_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}}$

10.81 X-INVALID-WZ-81 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_3C_4C_5R_3R_4R_6s^2 + C_5R_6 + s\left(C_3C_5R_3R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^2\left(C_1C_2C_4R_3R_4 + C_1C_3C_4R_3R_4 - C_1C_4C_5R_3R_4 + C_2C_3C_4R_3R_4\right) + s\left(C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_3R_3 + C_2C_4R_4\right)}$$

Parameters:

$$Q: \frac{ C_{1}C_{2}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{C_{4}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}+C_{2}}\sqrt{C_{4}}\sqrt{R_{$$

 $\sqrt{C_1 + C_2} (C_1 C_2 R_3 + C_1 C_3 R_3 + C_1 C_4 R_3 + C_1 C_4 R_4 - C_1 C_5 R_3 + C_2 C_3 R_3 + C_2 C_4 R_4) \sqrt{\frac{1}{C_1 C_2 C_4 R_3 R_4 + C_1 C_3 C_4 R_3 R_4 - C_1 C_4 C_5 R_3 R_4 + C_2 C_3 C_4 R_3 R_4}{C_1 C_4 C_5 R_3 R_4 + C_2 C_3 C_4 R_3 R_4 + C_1 C_3 C_4 R_3 R_4 + C_2 C_3 C_4 R_3 R_4}}$ $\frac{\sqrt{C_1 C_2 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_1 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} - C_1 \sqrt{C_4} C_5 \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_4} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{C_1 C_2 + C_1 C_3 - C_1 C_5}$

K-LP: $\frac{C_5R_6}{C_1+C_2}$ K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: $\frac{C_3C_5R_3R_6+C_4C_5R_4R_6}{C_1C_2R_3+C_1C_3R_3+C_1C_4R_3+C_1C_4R_4-C_1C_5R_3+C_2C_3R_3+C_2C_4R_4}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_4}\sqrt{R_3}\sqrt{R_4}}$

10.82 X-INVALID-WZ-82
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_4 - C_1C_2C_5C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

$$\begin{array}{l} \text{Q:} \ \frac{C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}}-C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}}}{C_1C_2R_2+C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4} \\ \text{wo:} \ \sqrt{\frac{1}{C_2C_3R_2R_4-C_2C_5R_2R_4}} \end{array}$$

wo: $\sqrt{\frac{1}{C_2C_3R_2R_4-C_2C_5R_2R_4}}$ bandwidth: $\frac{(C_1C_2R_2+C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_2R_4-C_2C_5R_2R_4}}}{C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}}-C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3-C_5}}}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_{1}C_{3}-C_{1}C_{5}}{C_{1}C_{2}C_{6}R_{2}+C_{1}C_{2}C_{6}R_{4}+C_{1}C_{3}C_{6}R_{4}-C_{1}C_{5}C_{6}R_{4}+C_{2}C_{3}C_{6}R_{4}} \\ \text{Qz: None} \end{array}$

Wz: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$

10.83 X-INVALID-WZ-83 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_2R_4R_5 - C_1C_2C_5R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

Parameters:

$$\begin{array}{l} Q\colon \frac{-C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3-C_5}} + \frac{R_5}{C_3-C_5}}{C_1C_2R_2R_4 - C_1C_2R_2R_5 - C_1C_2R_4R_5 - C_1C_3R_4R_5 + C_1C_5R_4R_5 - C_2C_3R_4R_5} \\ \text{Wo: } \sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5 - C_2C_5R_2R_4R_5}} \\ \text{bandwidth: } \frac{\sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5 - C_2C_5R_2R_4R_5}}{(C_1C_2R_2R_4 - C_1C_2R_2R_5 - C_1C_2R_4R_5 - C_1C_3R_4R_5 + C_1C_5R_4R_5 - C_2C_3R_4R_5)} \\ \text{bandwidth: } \frac{-C_1\sqrt{C_2}C_3R_2R_4R_5 - C_2C_5R_2R_4R_5}{(C_1C_2R_2R_4 - C_1C_2R_2R_5 - C_1C_2R_4R_5 - C_1C_3R_4R_5 + C_1C_5R_4R_5 - C_2C_3R_4R_5)} \\ \text{bandwidth: } \frac{-C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3-C_5}} + \frac{R_5}{C_3-C_5}}{C_1C_2R_4R_5 - C_2C_5R_2R_4R_5} \\ \text{K-LP: } -\frac{C_3R_4R_6}{C_1R_4 - C_1R_5} \\ \text{K-HP: } \frac{C_3C_5R_6}{C_1C_3 - C_1C_5} \\ \text{K-BP: } \frac{-C_2C_3R_2R_4R_6 - C_3C_5R_4R_5R_6}{C_1C_2R_2R_5 - C_1C_2R_4R_5 - C_1C_3R_4R_5 + C_1C_5R_4R_5 - C_2C_3R_4R_5} \\ \text{Qz: None} \\ \text{Wz: } \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}} \end{array}$$

10.84 X-INVALID-WZ-84 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_5R_6s^2 + C_3R_6 + s\left(C_2C_3R_2R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^2\left(C_1C_2C_3R_2R_5 + C_1C_2C_4R_2R_5 - C_1C_2C_5R_2R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}$$

$$Q \colon \frac{-C_1 \sqrt{C_2} C_3 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{1}{C_3 + C_4 - C_5}} - C_1 \sqrt{C_2} C_4 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{1}{C_3 + C_4 - C_5}} + C_1 \sqrt{C_2} C_5 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{1}{C_3 + C_4 - C_5}} }{C_1 C_2 R_2 - C_1 C_2 R_5 - C_1 C_3 R_5 - C_1 C_4 R_5 + C_1 C_5 R_5 - C_2 C_3 R_5} \\ W0 \colon \sqrt{-\frac{1}{C_2 C_3 R_2 R_5 + C_2 C_4 R_2 R_5 - C_2 C_5 R_2 R_5}} \\ bandwidth \colon \frac{\sqrt{-\frac{1}{C_2 C_3 R_2 R_5 + C_2 C_4 R_2 R_5 - C_2 C_5 R_2 R_5}} (C_1 C_2 R_2 - C_1 C_2 R_5 - C_1 C_3 R_5 - C_1 C_4 R_5 + C_1 C_5 R_5 - C_2 C_3 R_5)}{-C_1 \sqrt{C_2} C_3 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{1}{C_3 + C_4 - C_5}} - C_1 \sqrt{C_2} C_4 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{1}{C_3 + C_4 - C_5}} + C_1 \sqrt{C_2} C_5 \sqrt{R_2} \sqrt{R_5} \sqrt{-\frac{1}{C_3 + C_4 - C_5}}} \\ K - LP \colon -\frac{C_3 R_6}{C_1 C_3 + C_1 C_4 - C_1 C_5} \\ K - BP \colon \frac{-C_2 C_3 R_2 R_6 - C_3 C_5 R_5 R_6}{C_1 C_2 R_2 - C_1 C_2 R_5 - C_1 C_3 R_5 - C_1 C_4 R_5 + C_1 C_5 R_5 - C_2 C_3 R_5} \\ Qz \colon None \\ Wz \colon \frac{1}{\sqrt{C_2} \sqrt{C_5} \sqrt{R_2} \sqrt{R_5}} \end{aligned}$$

10.85 X-INVALID-WZ-85
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_2C_3C_4C_5R_2R_4R_6s^2 + C_3C_5R_6 + s\left(C_2C_3C_5R_2R_6 + C_3C_4C_5R_4R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_2R_4 - C_1C_2C_4C_5R_2R_4\right) + s\left(C_1C_2C_3R_2 + C_1C_2C_4R_4 - C_1C_2C_5R_2 + C_1C_3C_4R_4 - C_1C_4C_5R_4 + C_2C_3C_4R_4\right)}$$

$$\begin{array}{l} Q\colon \frac{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{C_1C_2}{C_3-C_5}+\frac{C_1C_3}{C_3-C_5}+\frac{C_1C_4}{C_3-C_5}-\frac{C_1C_5}{C_3-C_5}+\frac{C_2C_3}{C_3-C_5}}{C_3-C_5}-\sqrt{C_1}\sqrt{C_2}\sqrt{C_4}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{C_1C_2}{C_3-C_5}+\frac{C_1C_3}{C_3-C_5}+\frac{C_1C_5}{C_3-C_5}+\frac{C_2C_3}{C_3-C_5}}{C_3-C_5}-\frac{C_1C_5}{C_3-C_5}+\frac{C_2C_3}{C_3-C_5}-\frac{C_1C_5}{C_3-C_5}+\frac{C_2C_3}{C_3-C_5}-\frac{C_1C_5}{C_3-C_5}+\frac{C_2C_3}{C_3-C_5}-\frac{C_1C_5}{C_3-C_5}-\frac{C_1C_5}{C_3-C_5}+\frac{C_2C_3}{C_3-C_5}-\frac{C_1C_5}{C_3-C_5}-\frac{C_1$$

10.86 X-INVALID-WZ-86 $Z(s) = \left(\frac{1}{C_{1}s}, R_2 + \frac{1}{C_{2}s}, \frac{1}{C_{3}s}, \frac{R_4}{C_4R_4s+1}, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_2C_3C_5C_6R_2R_4R_6s^2 + C_3C_5R_4 + s\left(C_2C_3C_5R_2R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_2R_4 + C_1C_2C_4C_6R_2R_4 - C_1C_2C_5C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

$$Q\colon \frac{C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3+C_4-C_5}} + C_1\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3+C_4-C_5}} - C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1C_2R_2+C_1C_2R_4+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_2C_3R_4}$$
 wo:
$$\sqrt{\frac{1}{C_2C_3R_2R_4+C_2C_4R_2R_4-C_2C_5R_2R_4}}$$
 bandwidth:
$$\frac{(C_1C_2R_2+C_1C_2R_4+C_1C_3R_4+C_1C_4R_4-C_1C_5R_4+C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_2R_4+C_2C_4R_2R_4-C_2C_5R_2R_4}}}{C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3+C_4-C_5}} + C_1\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3+C_4-C_5}} - C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{\frac{1}{C_3+C_4-C_5}}}}$$
 K-LP:
$$\frac{C_3C_5R_4}{C_1C_6}$$
 K-HP:
$$\frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}$$
 K-BP:
$$\frac{C_2C_3C_5R_2R_4+C_3C_5C_6R_4R_6}{C_1C_2C_6R_2+C_1C_2C_6R_4+C_1C_3C_6R_4+C_1C_5C_6R_4+C_2C_3C_6R_4}$$
 Qz: None
$$\text{Wz: }\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$$

10.87 X-INVALID-WZ-87 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_2C_3R_2R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_2R_4R_5 + C_1C_2C_4R_2R_4R_5 - C_1C_2C_5R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

$$Q: \frac{-C_1\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3+C_4-C_5}+\frac{R_5}{C_3+C_4-C_5}}-C_1\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3+C_4-C_5}+\frac{R_5}{C_3+C_4-C_5}}+C_1\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_3+C_4-C_5}+\frac{R_5}{C_3+C_4-C_5}}}{C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_2C_3R_4R_5} \\ \text{wo: } \sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5+C_2C_4R_2R_4R_5-C_2C_5R_2R_4R_5}}{\sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5+C_2C_4R_2R_4R_5-C_2C_5R_2R_4R_5}}}(C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_2C_3R_4R_5)} \\ \text{bandwidth: } \frac{\sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5+C_2C_4R_2R_4R_5-C_2C_5R_2R_4R_5}}{\sqrt{-C_1\sqrt{C_2}C_3R_2R_4R_5+C_2C_4R_2R_4R_5-C_2C_5R_2R_4R_5}}(C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_2C_3R_4R_5)} \\ \text{bandwidth: } \frac{\sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5+C_2C_5R_2R_4R_5}}}{\sqrt{-C_1\sqrt{C_2}C_3R_2R_4R_5+C_2C_4R_2R_4R_5-C_2C_5R_2R_4R_5}}(C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_2C_3R_4R_5)} \\ \text{bandwidth: } \frac{\sqrt{\frac{-R_4+R_5}{C_2C_3R_2R_4R_5+C_2C_4R_4R_5}}}{\sqrt{-C_1\sqrt{C_2}C_3R_2R_4R_5+C_2C_5R_2R_4R_5}}}(C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_2C_3R_4R_5} \\ \text{K-BP: } \frac{C_3R_4R_6}{C_1C_3+C_1C_4-C_1C_5} \\ \text{K-BP: } \frac{-C_2C_3R_2R_4R_6-C_3C_5R_4R_5R_6}{C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_4R_4R_5-C_1C_4R_4R_5+C_1C_5R_4R_5-C_2C_3R_4R_5} \\ \text{Wz: } \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}} \\ \text{Wz: } \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_5}} \\ \\ \text{Wz: } \frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_5}}} \\ \\ \text{The properties of the properties o$$

10.88 X-INVALID-WZ-88
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_2R_3R_4 - C_1C_2C_5R_2R_3R_4\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 + C_1C_3R_3R_4 - C_1C_5R_3R_4 + C_2C_3R_3R_4\right)}$$

$$\begin{array}{l} Q\colon \frac{\sqrt{C_{1}}\sqrt{C_{2}}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}-\sqrt{C_{1}}\sqrt{C_{2}}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{3}-C_{5}}}}{C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{3}R_{4}+C_{1}C_{2}R_{3}R_{4}+C_{1}C_{5}R_{3}R_{4}+C_{2}C_{3}R_{3}R_{4}}\\ \text{wo: }\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}C_{3}R_{2}R_{3}R_{4}-C_{1}C_{2}C_{5}R_{2}R_{3}R_{4}}}\\ \text{bandwidth: }\frac{\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}(C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{3}R_{4}-C_{1}C_{5}R_{3}R_{4}+C_{2}C_{3}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{2}C_{3}R_{2}R_{3}R_{4}-C_{1}C_{2}C_{5}R_{2}R_{3}R_{4}}}\\ \text{bandwidth: }\frac{\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}(C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{2}R_{4}+C_{1}C_{2}R_{3}R_{4}+C_{1}C_{3}R_{3}R_{4}-C_{1}C_{5}R_{3}R_{4}+C_{2}C_{3}R_{3}R_{4})\sqrt{\frac{1}{C_{1}C_{2}C_{3}R_{2}R_{3}R_{4}-C_{1}C_{2}C_{5}R_{2}R_{3}R_{4}}}\\ \text{bandwidth: }\frac{\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}(C_{1}C_{2}R_{2}R_{3}+C_{1}C_{2}R_{2}R_{4}+C_{1}C_{2}R_{3}R_{4}+C_{1}C_{2}R_{3}R_{4}+C_{1}C_{3}R_{3}R_{4}+C_{1}C_{3}R_{3}R_{4}+C_{1}C_{3}R_{3}R_{4}+C_{1}C_{3}R_{3}R_{4}+C_{1}C_{3}R_{3}R_{4}+C_{1}C_{3}R_{3}R_{4}}}{\sqrt{C_{1}C_{3}-C_{5}C_{5}C_{5}R_{2}R_{4}R_{6}+C_{3}C_{5}R_{3}R_{4}R_{6}}}\\ \text{K-HP: }\frac{C_{5}R_{4}R_{6}}{C_{1}C_{3}-C_{1}C_{5}}{C_{1}C_{2}C_{2}R_{3}+C_{1}C_{2}R_{2}R_{4}+C_{1}C_{3}R_{3}R_{4}+C_{1}C_{5}R_{3}R_{4}+C_{2}C_{3}R_{3}R_{4}}}\\ \text{Qz: None}\\ \text{Wz: }\frac{1}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{2}}\sqrt{R_{3}}}} \end{array}$$

10.89 X-INVALID-WZ-89 $Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_2C_3C_5R_2R_3R_6s^2 + C_5R_6 + s\left(C_2C_5R_2R_6 + C_3C_5R_3R_6\right)}{C_1 + C_2 + s^2\left(C_1C_2C_3R_2R_3 + C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3\right) + s\left(C_1C_2R_2 + C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 - C_1C_5R_3 + C_2C_3R_3\right)}$$

Parameters:

$$Q \colon \frac{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_3+C_4-C_5}} + \sqrt{C_1}\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_3+C_4-C_5}}}{C_1C_2R_2+C_1C_2R_3+C_1C_3R_3+C_1C_5R_3+C_2C_3R_3}$$

$$\text{wo: } \sqrt{C_1+C_2}\sqrt{\frac{1}{C_1C_2C_3R_2R_3+C_1C_2C_4R_2R_3-C_1C_2C_5R_2R_3}}$$

$$\text{bandwidth: } \frac{\sqrt{C_1+C_2}(C_1C_2R_2+C_1C_2R_3+C_1C_3R_3+C_1C_4R_3-C_1C_5R_3+C_2C_3R_3)\sqrt{\frac{1}{C_1C_2C_3R_2R_3+C_1C_2C_5R_2R_3}}}{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_3+C_4-C_5}}} + \sqrt{C_1}\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_3+C_4-C_5}}}}$$

$$\text{K-LP: } \frac{C_5R_6}{C_1+C_2}$$

$$\text{K-HP: } \frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}$$

$$\text{K-BP: } \frac{C_2C_5R_2R_6+C_3C_5R_3R_6}{C_1C_2R_2+C_1C_2R_3+C_1C_3R_3+C_1C_5R_3+C_2C_3R_3}$$

$$\text{Qz: None}$$

$$\text{Wz: } \frac{1}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}}$$

10.90 X-INVALID-WZ-90
$$Z(s) = \left(\frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$$

$$H(s) = \frac{C_2C_3C_5R_2R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_2C_5R_2R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_3R_2R_3R_4 + C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4\right) + s\left(C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_2C_3R_3R_4\right)}$$

$$\begin{array}{c} Q: \frac{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3} + C_1R_4 + C_2R_4}{\sqrt{C_3R_2}C_4 - C_5} + \sqrt{C_1}\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_3+C_4-C_5}} - \sqrt{C_1}\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_3+C_4-C_5}} \\ & C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 + C_1C_3R_3R_4 + C_1C_5R_3R_4 + C_2C_3R_3R_4 \\ \text{wo: } \sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4} + C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4} \\ \text{bandwidth: } \frac{\sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{C_1C_2C_3R_2R_3R_4 + C_1C_2C_4R_2R_3R_4 - C_1C_5R_3R_4 + C_2C_3R_3R_4} + C_1C_3R_3R_4 + C_1C_3R_3R_4 + C_1C_5R_3R_4 + C_2C_3R_3R_4)\sqrt{\frac{1}{C_1C_2C_3R_2R_3R_4 + C_1C_2C_5R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1N_3} + C_1R_4 + C_2R_4}\sqrt{C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 + C_1C_3R_3R_4 + C_1C_5R_3R_4 + C_2C_3R_3R_4}}{\sqrt{C_1N_3} + C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_3} + C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_3R_4 + C_1$$

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10.91 X-INVALID-WZ-91 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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$$H(s) = \frac{C_3C_4C_5C_6R_2R_4R_6s^2 + C_3C_5R_2 + s\left(C_3C_4C_5R_2R_4 + C_3C_5C_6R_2R_6\right)}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_4C_6R_2R_4 + C_1C_3C_4C_6R_2R_4 + C_1C_4C_5C_6R_2R_4 + C_2C_3C_4C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_4C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_2C_3C_6R_2 + C_3C_4C_6R_4\right)}$$

 $\frac{C_{1}C_{2}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}C_{5}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}\sqrt{C_{4}}\sqrt{C_{1}+C_{3}}\sqrt{C_{4}}\sqrt{C_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{4}C_{5}+C_{2}C_{3}}}+C_{2}C_{4}}\sqrt{C_{$

wo: $\sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_2 C_4 R_2 R_4 + C_1 C_3 C_4 R_2 R_4 - C_1 C_4 C_5}}$

 $\text{bandwidth: } \frac{\sqrt{C_1 + C_3}(C_1C_2R_2 + C_1C_3R_2 + C_1C_4R_4 - C_1C_5R_2 + C_2C_3R_2 + C_3C_4R_4)\sqrt{\frac{1}{C_1C_2C_4R_2R_4 + C_1C_3C_4R_2R_4 + C_1C_3C_4R_4 + C_1C_$

 $\begin{array}{l} \text{K-HP: } \frac{C_{1}C_{5}R_{6}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} \\ \text{K-BP: } \frac{C_{3}C_{5}R_{6}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} \\ \text{Qz: None} \end{array}$

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.92 X-INVALID-WZ-92 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_3C_4C_5R_2R_4R_5R_6s^2 + C_3R_2R_6 + s\left(C_3C_4R_2R_4R_6 + C_3C_5R_2R_5R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_4R_2R_4R_5 + C_1C_3C_4R_2R_4R_5 + C_2C_3C_4R_2R_4R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 - C_1C_5R_2R_5 + C_2C_3R_2R_5 + C_3C_4R_4R_5\right)}$

Parameters:

 $Q: \frac{C_{1}C_{2}\sqrt{C_{4}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{C_{1}R_{2}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{C_{1}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}}{C_{1}C_{5}+C_{2}C_{3}} + \frac{C_{1}R_{5}$

wo: $\sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_2C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5-C_1C_4C_5R_2R_4R_5+C_2C_3C_4R_2R_4R_5}}$

 $\sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_2C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_1C_3R_2R_5+C_1C_4R_2R_5+C_1C_4R_2R_5+C_1C_4R_4R_5-C_1C_5R_2R_5+C_3C_4R_4R_5}}(C_1C_2R_2R_5+C_1C_3R_2R_5+C_1C_4R_2R_5+C_1C_4R_4R_5-C_1C_5R_2R_5+C_2C_3R_2R_5+C_3C_4R_4R_5)$ $\frac{\sqrt{C_1C_2C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_1C_3C_4R_2R_4R_5+C_1C_3C_4R_5}{C_1C_2\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{C_4}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + \frac{C_1R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_1R_5}{C_1C_2+C_1C$

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}}$

10.93 X-INVALID-WZ-93 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_4 + C_1C_6R$

Parameters:

 $\text{Q:} \ \frac{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} \\ - C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4$

Wo: $\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}}$

 $\text{bandwidth: } \frac{(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 - C_1C_5R_2R_3 + C_2C_3R_2R_3}}{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_1C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} - C_1C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 - C_1C_5$

K-LP: $\frac{C_5 R_2}{C_6}$

Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.94 X-INVALID-WZ-94
$$Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_2R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5 + C_2C_3R_2R_3R_4R_5\right) + s\left(-C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5 + C_3R_3R_4R_5\right)}$$

$$Q: \frac{-C_1C_2\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} \\ wo: \sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}} \\ bandwidth: \frac{(C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5-C_3R_3R_4R_5)\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}} \\ -C_1C_2\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} - C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} \\ K-LP: \frac{R_2R_6}{R_5} \\ K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} \\ -C_3R_2R_3R_4R_6-C_5R_2R_4R_5-C_3R_3R_4R_5}{C_1R_2R_4R_5-C_2R_2R_4R_5-C_3R_3R_4R_5} \\ Qz: None$$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.95 X-INVALID-WZ-95 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_2R_3R_6s^2 + C_5R_2 + s\left(C_3C_5R_2R_3 + C_5C_6R_2R_6\right)}{C_6 + s^2\left(C_1C_2C_6R_2R_3 + C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3 + C_2C_3C_6R_2R_3\right) + s\left(C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2 + C_3C_6R_3\right)}$$

Parameters:

$$\begin{array}{c} Q: \frac{c_1 c_2 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_3 + C_2 c_3} + C_1 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_3 + C_1 c_3 + C_2 c_3} - C_1 c_5 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_3 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_3 + C_1 c_3 + C_2 c_3} - C_1 c_5 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_1 c_2 + C_1 c_3 + C_1 c_3 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_4 - C_1 c_5 + c_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{R_3} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2 c_3 \sqrt{R_2} \sqrt{\frac{1}{C_2 + C_1 c_3 + C_2 c_3} + C_2$$

10.96 X-INVALID-WZ-96 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_5R_6s^2 + R_2R_6 + s\left(C_3R_2R_3R_6 + C_5R_2R_5R_6\right)}{R_5 + s^2\left(C_1C_2R_2R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5 + C_2C_3R_2R_3R_5\right) + s\left(-C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5 + C_3R_3R_5\right)}$$

Parameters:

$$Q: \frac{-C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}} + C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{5}\sqrt{\frac{1}{C_{2}+C_{1}C_{3}+C_{1$$

Wz: None $Wz: \frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

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10.97 X-INVALID-WZ-97 Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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$$H(s) = \frac{C_3C_5C_6R_2R_3R_4R_6s^2 + C_5R_2R_4 + s\left(C_3C_5R_2R_3R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_2C_6R_2R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_5C_6R_2R_3R_4 + C_2C_3C_6R_2R_3R_4\right) + s\left(C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4 + C_3C_6R_3R_4\right)}$$

$$Q: \frac{\frac{C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{2}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}+C_{3}R_{3}R_{4}} - C_{1}C_{5}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{3}+C_{$$

Wo: $\sqrt{\frac{1}{C_1C_2R_2R_3+C_1C_3R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3+C_2C_3R_2R_3}}$

 $\frac{(C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_5R_2R_3 + C_2C_3R_2R_3}}{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_5 + C_2C_3}} + C_1C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_5 + C_2C_3}} + C_1C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C_1C_5 + C_2C_3}} + C_2C_3\sqrt{R_2}\sqrt$

K-HP: $\frac{C_{6}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}$ K-BP: $\frac{C_{3}C_{5}R_{2}R_{3}+C_{1}C_{6}R_{2}R_{4}+C_{5}C_{6}R_{2}R_{4}+R_{6}}{C_{1}C_{6}R_{2}R_{3}+C_{1}C_{6}R_{2}R_{4}+C_{1}C_{6}R_{3}R_{4}+C_{2}C_{6}R_{2}R_{4}+C_{3}C_{6}R_{3}R_{4}}}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.98 X-INVALID-WZ-98 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_2R_3R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_3R_2R_3R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_2R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_5R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5 + C_3R_3R_4R_5\right)}$$

Parameters:

$$Q: \frac{-C_{1}C_{2}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{2}R_{3}R_{4}C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{3}\sqrt{R_{2}}\sqrt{R_{3}}R_{4}R_{5}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}}{C_{1}R_{2}R_{3}R_{4}-C_{1}R_{2}R_{3}R_{5}-C_{1}R_{2}R_{4}R_{5}-C_{1}R_{3}R_{4}R_{5}} -C_{2}R_{2}R_{4}R_{5}-C_{2}R_{3}R_{4}R_{5}}$$

 $(C_1R_2R_3R_4 - C_1R_2R_3R_5 - C_1R_2R_4R_5 - C_1R_3R_4R_5 - C_2R_2R_4R_5 - C_3R_3R_4R_5)\sqrt{\frac{1}{C_1C_2R_2R_3 + C_1C_3R_2R_3 + C_1C_5R_2R_3 + C_2C_3R_2R_3}}$

 $\frac{\sqrt{C_1C_2\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_4\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_2}\sqrt{R_$

K-LP: $\frac{R_2R_6}{R_r}$

 $\begin{array}{l} \text{K-HP:} \ \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP:} \ \frac{-C_3R_2R_3R_4-C_5R_2R_4R_5R_6}{C_1R_2R_3R_4-C_1R_2R_3R_5-C_1R_2R_4R_5-C_1R_3R_4R_5-C_2R_2R_4R_5-C_3R_3R_4R_5} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.99 X-INVALID-WZ-99 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{-C_1C_5C_6R_2R_3R_4s^2 + C_6R_4 + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4\right)}$$

Parameters:

Q:
$$-\frac{i\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}R_4}{\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}$$

wo: $\frac{i}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}{\sqrt{C_1}C_5R_2R_3R_4}$

K-LP: $\frac{C_5 R_2}{C_6}$ K-HP: $-\frac{R_1 R_6}{R_3}$

Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.100 X-INVALID-WZ-100
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_5C_6R_1R_4R_5 - C_1C_5C_6R_2R_3R_4 + C_1C_5C_6R_2R_4R_5 + C_1C_5C_6R_3R_4R_5\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_5C_6R_4R_5\right)}$$

 $Q: \frac{\sqrt{C_1}\sqrt{C_5}R_1R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_5}R_2R_3R_4^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_2R_3\sqrt{R_4}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_2R_3\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}}{R_5}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_5}} + \sqrt{C_1}\sqrt{C_5}R_3R_4\frac{\frac{3}{2}$ wo: $\sqrt{R_4}\sqrt{\frac{1}{C_1C_5R_1R_4R_5-C_1C_5R_2R_3R_4+C_1C_5R_2R_3R_5+C_1C_5R_2R_4R_5+C_1C_5R_3R_4R_5}}$ $\sqrt{R_4}(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_5R_4R_5)\sqrt{\frac{1}{C_1C_5R_1R_4R_5 - C_1C_5R_2R_3R_4 + C_1C_5R_2R_3R_5 + C_1C_5R_2R_4R_5 + C_1C_5R_3R_4R_5}}$ bandwidth: $\frac{\sqrt{C_1\sqrt{C_5}R_1R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}{\sqrt{C_1\sqrt{C_5}R_2R_3^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_2R_3^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_2R_3^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_2R_3^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}}}}}+\sqrt{C_1\sqrt{C_5}R_3R_4^{\frac{3}{2}}R_5\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5+R_3R_4R_5}}}}}$

K-LP: $\frac{C_5 R_2}{C_6}$

K-HP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-BP: $\frac{C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6}{C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_5C_6R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.101 X-INVALID-WZ-101 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{-C_1C_5R_2R_3R_4R_5s^2 + R_4R_5 + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5\right)}$$

Parameters:

Q: $-\frac{i\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}R_4R_5}{\sqrt{C_1}R_1R_4R_5 - \sqrt{C_1}R_2R_3R_4 + \sqrt{C_1}R_2R_3R_5 + \sqrt{C_1}R_2R_4R_5 + \sqrt{C_1}R_3R_4R_5}$ wo: $\frac{i}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}}$ bandwidth: $-\frac{\sqrt{C_1}R_1R_4R_5 - \sqrt{C_1}R_2R_3R_4 + \sqrt{C_1}R_2R_3R_5 + \sqrt{C_1}R_2R_4R_5 + \sqrt{C_1}R_3R_4R_5}{\sqrt{C_1}C_5R_2R_3R_4R_5}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: $-\frac{R_1R_6}{R_3}$ K-BP: $\frac{C_1R_1R_2R_4R_6+C_5R_2R_4R_5R_6}{C_1R_1R_4R_5-C_1R_2R_3R_4+C_1R_2R_3R_5+C_1R_2R_4R_5+C_1R_3R_4R_5}$ Qz: None Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.102 X-INVALID-WZ-102 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_6s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_5C_6R_2R_6\right)}{C_6 + s^2\left(C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3\right)}$$

Parameters:

bandwidth: $\frac{\left(\sqrt{C_1}R_1 + \sqrt{C_1}R_2 + \sqrt{C_1}R_3\right)\sqrt{\frac{1}{C_1C_4R_2R_3} - C_1C_5R_2R_3}}{C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4 - C_5}} - C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{1}{C_4 - C_5}}}$ Qz: None Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.103 X-INVALID-WZ-103
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_5R_1R_2R_5R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_5R_2R_5R_6\right)}{R_5 + s^2\left(C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5\right)}$$

Q: $\frac{C_4\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_1R_5-\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_5+\sqrt{C_1}R_3R_5}$ bandwidth: $\frac{\left(\sqrt{C_1}R_1R_5 - \sqrt{C_1}R_2R_3 + \sqrt{C_1}R_2R_5 + \sqrt{C_1}R_3R_5\right)\sqrt{\frac{1}{C_1C_4R_2R_3 - C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_4 - C_5}} - C_5\sqrt{R_2}\sqrt{R_3}R_5\sqrt{\frac{1}{C_4 - C_5}}}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: $\frac{C_5R_1R_6}{C_4R_3-C_5R_3}$ K-BP: $\frac{C_1R_1R_2R_6+C_5R_2R_5R_6}{C_1R_1R_5-C_1R_2R_3+C_1R_2R_5+C_1R_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.104 X-INVALID-WZ-104 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1C_4R_1R_2R_4R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_4R_2R_4R_6\right)}{R_5 + s^2\left(C_1C_4R_1R_4R_5 - C_1C_4R_2R_3R_4 + C_1C_4R_2R_3R_5 + C_1C_4R_2R_4R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_4R_4R_5\right)}$$

Parameters:

 $Q: \underbrace{\frac{\sqrt{C_1}\sqrt{C_4}R_1R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{C_1R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_3R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_3R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_2R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_3R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_3R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_3R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_3R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_3R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_4R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_3R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_3R_4R_5^{\frac{3}{2}}\sqrt{\frac{1}{R_4R_5-R_2R_3R_4+R_5R_5}}} + \underbrace{\sqrt{C_1}\sqrt{C_4}R_3R_4R_5^{\frac{3}{2}}$ wo: $\sqrt{R_5}\sqrt{\frac{1}{C_1C_4R_1R_4R_5-C_1C_4R_2R_3R_4+C_1C_4R_2R_3R_5+C_1C_4R_2R_4R_5+C_1C_4R_3R_4R_5}}$ $\frac{\sqrt{R_{5}}(C_{1}R_{1}R_{5}-C_{1}R_{2}R_{5}+C_{1}R_{3}R_{5}+C_{4}R_{4}R_{5})\sqrt{\frac{1}{C_{1}C_{4}R_{1}R_{4}R_{5}-C_{1}C_{4}R_{2}R_{3}R_{5}+C_{1}C_{4}R_$

K-HP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-BP: $\frac{C_1R_1R_2R_6 + C_4R_2R_4R_6}{C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_4R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$

10.105 X-INVALID-WZ-105 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4\right)}$$

Parameters:

Q:
$$\frac{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4}$$
 wo:
$$\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}$$
 bandwidth:
$$\frac{\left(\sqrt{C_1}R_1R_4+\sqrt{C_1}R_2R_3+\sqrt{C_1}R_2R_4+\sqrt{C_1}R_3R_4\right)\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4\sqrt{\frac{1}{C_4-C_5}}}$$
 K-LP:
$$\frac{C_5R_2}{C_6}$$
 K-HP:
$$\frac{C_5R_1R_6}{C_4R_3-C_5R_3}$$
 K-BP:
$$\frac{C_1C_5R_1R_2R_4+C_5C_6R_2R_4R_6}{C_1C_6R_1R_4+C_1C_6R_2R_3+C_1C_6R_2R_4+C_1C_6R_3R_4}}$$
 Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.106 X-INVALID-WZ-106
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_4R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5\right)}$$

 $\text{Q: } \frac{C_4\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}R_1R_4R_5-\sqrt{C_1}R_2R_3R_4+\sqrt{C_1}R_2R_3R_5+\sqrt{C_1}R_2R_4R_5+\sqrt{C_1}R_3R_4R_5}$ $\frac{\left(\sqrt{C_1}R_1R_4R_5-\sqrt{C_1}R_2R_3R_4+\sqrt{C_1}R_2R_3R_5+\sqrt{C_1}R_2R_4R_5+\sqrt{C_1}R_3R_4R_5\right)\sqrt{\frac{1}{C_1C_4R_2R_3-C_1C_5R_2R_3}}}{C_4\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_4-C_5}}-C_5\sqrt{R_2}\sqrt{R_3}R_4R_5\sqrt{\frac{1}{C_4-C_5}}}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: $\frac{C_5R_1R_6}{C_4R_3-C_5R_3}$ $\begin{array}{l} \text{K-BP:} \ \frac{C_4R_3-C_5R_3}{C_1R_1R_4R_5-C_1R_2R_3R_4+C_1R_2R_3R_5+C_1R_2R_4R_5+C_1R_3R_4R_5} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.107 X-INVALID-WZ-107 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_6R_2 + C_1C_6R_4 + c_3C_6R_4 + s^2\left(C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_2R_4R_5\right) + s\left(C_1C_3C_6R_1R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5\right)}$

Parameters:

wo: $\frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4R_5}}$ bandwidth: $\frac{C_1C_3R_1R_4+C_1C_3R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{R_1+R_2}\sqrt{C_1C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4R_5}}$ K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$ K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6}{C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5} \\ \text{Qz: None} \ \\ \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.108 X-INVALID-WZ-108 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_6R_1R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_6R_2R_4R_6 + C_1C_6R_2R_4R_6 + C_3C_6R_4R_5R_6\right)}$

Parameters:

 $Q: \frac{\sqrt{C_{1}C_{3}\sqrt{C_{6}}R_{1}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}} + \frac{C_{1}R_{2}R_{5}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}} + \frac{C_{1}R_{4}R_{5}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}} + \frac{C_{1}R_{4}R_{5}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}} + \frac{C_{1}R_{4}R_{5}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}} + \frac{C_{1}R_{4}R_{5}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}} + \frac{C$ Wo: $\sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_6R_1R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6-C_1C_5C_6R_2R_4R_5R_6}}$

 $\frac{-C_{1}R_{2}R_{4}+C_{1}R_{2}R_{5}+C_{1}R_{4}R_{5}+C_{3}R_{4}R_{5}}{\sqrt{C_{1}C_{3}\sqrt{C_{6}}R_{1}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}}+\frac{C_{1}R_{4}R_{5}+C_{1}C_{3}R_{2}R_{4}R_{5}-C_{1}C_{5}C_{6}R_{2}R_{4}R_{$

K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$ K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.109 X-INVALID-WZ-109
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6\right)}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_5C_6R_1R_5 + C_1C_3C_5C_6R_2R_5 + C_1C_4C_5C_6R_2R_5\right) + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_5C_6R_2 + C_1C_5C_6R_5 + C_3C_5C_6R_5\right)}$$

wo: $\frac{\sqrt{C_1 + C_3}}{\sqrt{C_1 C_3 C_5 R_1 R_5 + C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_2 R_5}}$ bandwidth: $\frac{C_1 C_3 R_1 + C_1 C_3 R_2 + C_1 C_4 R_2 - C_1 C_5 R_2 + C_1 C_5 R_5 + C_3 C_5 R_5}{\sqrt{C_1 \sqrt{C_5} \sqrt{R_5} \sqrt{C_3 R_1 + C_3 R_2 + C_4 R_2} \sqrt{C_1 C_3 C_5 R_1 R_5 + C_1 C_3 C_5 R_2 R_5 + C_1 C_4 C_5 R_2 R_5}}$ K-LP: $\frac{C_3 C_5 R_2}{C_1 C_6 + C_3 C_6}$ K-HP: $\frac{C_3 R_1 R_2 R_6}{C_3 R_1 R_5 + C_3 R_2 R_5 + C_4 R_2 R_5}$ K-BP: $\frac{C_1 C_3 C_5 R_1 R_2 + C_3 C_5 R_1 R_2 + C_3 C_5 C_6 R_2 R_6}{C_1 C_3 C_6 R_1 + C_1 C_3 C_6 R_2 + C_1 C_5 C_6 R_2 + C_1 C_5 C_6 R_5 + C_3 C_5 C_6 R_5}$ Qz: None Way: 1 ____

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.110 X-INVALID-WZ-110 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_6R_1R_5R_6 + C_1C_3C_6R_2R_5R_6 + C_1C_4C_6R_2R_5R_6 - C_1C_5C_6R_2R_5R_6\right) + s\left(C_1C_3R_1R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 - C_1C_6R_2R_6 + C_3C_6R_5R_6\right)}$$

Parameters:

 $Q: \frac{\sqrt{C_1C_3\sqrt{C_6}R_1\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_1R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \sqrt{C_1}C_3\sqrt{C_6}R_2\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1}C_4\sqrt{C_6}R_2\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1}C_4\sqrt{C_6}R_2\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}} + \sqrt{C_1}C_4\sqrt{C_6}R_2\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1}C$

 $\frac{-c_{1}R_{2}+c_{1}R_{5}+c_{3}R_{5}}{\sqrt{c_{1}c_{3}c_{6}R_{1}R_{5}R_{6}+c_{1}c_{3}c_{6}R_{2}R_{5}R_{6}}}(c_{1}c_{3}R_{1}R_{5}+c_{1}c_{3}R_{2}R_{5}+c_{1}c_{4}R_{2}R_{5}-c_{1}c_{5}R_{2}R_{5}+c_{1}c_{4}R_{2}R_{5}-c_{1}c_{5}R_{2}R_{5}+c_{1}c_{4}R_{2}R_{5}-c_{1}c_{5}R_{2}R_{5}+c_{1}c_{4}R_{2}-c_{5}R_{5}}}{\sqrt{c_{1}c_{3}\sqrt{c_{6}}R_{1}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\frac{c_{1}R_{5}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}c_{3}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1}}c_{4}\sqrt{c_{6}}R_{2}\sqrt{R_{5}}\sqrt{R_{6}}\sqrt{-\frac{c_{1}R_{2}}{c_{3}R_{1}+c_{3}R_{2}+c_{4}R_{2}-c_{5}R_{2}}}+\sqrt{c_{1$

 $\begin{array}{c} & \begin{array}{c} & \begin{array}{c} & C_1R_5 \\ C_3R_2R_6 \end{array} \\ \text{K-LP:} & -\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5} \\ \text{K-HP:} & \frac{C_3C_3R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2} \\ \text{K-HP:} & \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2} \\ \text{K-BP:} & \frac{C_1C_3R_1R_2R_6+C_3C_5R_2R_5R_6}{C_1C_3R_1R_2R_5-C_1C_5R_2R_5-C_1C_6R_2R_6+C_1C_6R_5R_6+C_3C_6R_5R_6} \\ \text{Qz:} & \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.111 X-INVALID-WZ-111 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

$$H(s) = \frac{C_1C_3C_4R_1R_2R_4R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_1R_4R_5 + C_1C_3C_4R_2R_4R_5\right) + s\left(C_1C_3R_1R_5 + C_1C_3R_2R_5 - C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 + C_3C_4R_4R_5\right)}$$

Parameters:

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$

10.112 X-INVALID-WZ-112 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_4C_5R_1R_2R_4s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_4C_5R_2R_4\right)}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_1R_4 + C_1C_3C_4C_6R_2R_4 - C_1C_4C_5C_6R_2R_4\right) + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 + C_1C_4C_6R_4 - C_1C_5C_6R_2 + C_3C_4C_6R_4\right)}$$

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\text{Q:} \ \frac{\sqrt{C_{1}C_{3}\sqrt{C_{4}}R_{1}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}}+\sqrt{C_{1}}C_{3}\sqrt{C_{4}}R_{2}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}}-\sqrt{C_{1}}\sqrt{C_{4}}C_{5}R_{2}\sqrt{R_{4}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}-C_{5}R_{2}}}}{C_{1}C_{3}R_{1}+C_{1}C_{3}R_{2}+C_{1}C_{4}R_{2}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{2}+C_{3}C_{4}R_{4}}
                    wo: \sqrt{C_1 + C_3}\sqrt{\frac{1}{C_1C_3C_4R_1R_4 + C_1C_3C_4R_2R_4 - C_1C_4C_5R_2R_4}}
\sqrt{C_1 + C_3}(C_1C_3R_1 + C_1C_3R_2 + C_1C_4R_2 + C_1C_4R_4 - C_1C_5R_2 + C_3C_4R_4)\sqrt{\frac{1}{C_1C_3C_4R_1R_4 + C_1C_3C_4R_2R_4 - C_1C_4C_5R_2R_4}}
                      \begin{array}{l} \text{K-LP: } \frac{C_3C_5R_2}{C_1C_6+C_3C_6} \\ \text{K-HP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2} \\ \text{K-BP: } \frac{C_3C_5R_1R_2}{C_1C_3C_6R_1+C_1C_3C_6R_2+C_1C_4C_6R_2+C_1C_4C_6R_4-C_1C_5C_6R_2+C_3C_4C_6R_4} \\ \text{Qz: None} \end{array} 
                     Wz: \frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}
10.113 X-INVALID-WZ-113 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                    H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_5C_6R_1R_4R_5 + C_1C_3C_5C_6R_2R_4R_5\right) + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_4R_5 + C_1C_5C_6R_4R_
          Parameters:
              \begin{array}{l} \text{Q:} \ \frac{\sqrt{C_1\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{C_3R_1+C_3R_2+C_4R_2}}}{C_1C_3R_1R_4+C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_5+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5} \\ \text{wo:} \ \frac{\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4+C_1C_5R_2R_4+C_1}}\\ \text{bandwidth:} \ \frac{C_1C_3R_1R_4+C_1C_3R_2R_4+C_1C_4R_2R_4-C_1C_5R_2R_4+C_1C_5R_2R_5+C_1C_5R_4R_5+C_3C_5R_4R_5}{\sqrt{C_1\sqrt{C_5}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1+C_3R_2+C_4R_2}\sqrt{C_1C_3C_5R_1R_4R_5+C_1C_3C_5R_2R_4}}}\\ \text{K-LP:} \ \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}}{C_3R_1R_2R_6}\\ \text{K-HP:} \ \frac{C_3R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}\\ \text{K-RP:} \ \frac{C_3C_5R_1R_2R_6}{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}\\ \text{C}_1C_3C_5R_1R_2R_4+C_3C_5R_4R_5} \end{array}
                     \text{K-BP: } \frac{C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6}{C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_5C_6R_2R_4 + C_1C_5C_6R_2R_5 + C_1C_5C_6R_4R_5 + C_3C_5C_6R_4R_5} 
                        Qz: None
                      Wz: \frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}
10.114 X-INVALID-WZ-114 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, \frac{R_6}{C_6 R_6 s + 1}\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_6R_1R_4R_5R_6 + C_1C_3C_6R_2R_4R_5R_6 - C_1C_5C_6R_2R_4R_5R_6\right) + s\left(C_1C_3R_1R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_5R_2R_4R_5 - C_1C_6R_2R_4R_5 + C_1C_6R_4R_5 + C_1C_6R_4R_5R_5 + C_1C_6R_5R_5R_5 
        Parameters:
                     Q: \frac{\sqrt{C_1C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_2R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}{+\sqrt{C_1C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1C_3\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \sqrt{C_1C_4\sqrt{C_6}R_2\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_6R_1R_4R_5R_6+C_1C_3C_6R_2R_4R_5R_6+C_1C_5C_6R_2R_4R_5R_6}}(C_1C_3R_1R_4R_5+C_1C_3R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_2R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1C_4R_5+C_1
                     \frac{\sqrt{C_1C_3\sqrt{C_6}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{R_6}\sqrt{-\frac{C_1R_2R_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1R_4R_5}{C_3R_1+C_3R_2+C_
                 K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}
K-HP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}
                   \begin{array}{l} \text{K-BP:} \ \frac{C_{1}C_{3}R_{1}R_{2}R_{4}R_{6} + C_{3}C_{5}R_{2}R_{4}R_{5}R_{6}}{C_{1}C_{3}R_{1}R_{4}R_{5} + C_{1}C_{3}R_{2}R_{4}R_{5} + C_{1}C_{5}R_{2}R_{4}R_{5} - C_{1}C_{5}R_{2}R_{4}R_{5} - C_{1}C_{6}R_{2}R_{4}R_{6} + C_{1}C_{6}R_{2}R_{5}R_{6} + C_{1}C_{6}R_{4}R_{5}R_{6} + C_{3}C_{6}R_{4}R_{5}R_{6}} \\ \text{Qz: None} \ \\ \end{array} 
                     Wz: \frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}
10.115 X-INVALID-WZ-115 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                            H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{-C_1C_3C_5C_6R_2R_3R_4s^2 + C_1C_6R_4 + C_3C_6R_4 + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_3C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_6R_4 + C_1C_5C_
        Parameters:
```

Q: $-\frac{i\sqrt{C_3}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}}{\sqrt{C_1}C_3R_1R_4+\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4-\sqrt{C_1}C_5R_2R_4}}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4}$

bandwidth: $\frac{i\sqrt{-C_1R_2-C_1R_4-C_3R_4}\left(\sqrt{C_1}C_3R_1R_4+\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4-\sqrt{C_1}C_5R_2R_4\right)}{2}$

 $\sqrt{C_1}C_3C_5R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}$

```
K-BP: \frac{C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6}{C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 - C_1C_5C_6R_2R_4}Qz: None
Wz: \frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}
```

10.116 X-INVALID-WZ-116 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, R_5 + \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)$

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

Parameters:

 $Q: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_1R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4+C_1C_3R_4+C_1C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \sqrt{C_1}\sqrt{C$ wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_3C_5R_1R_4R_5 - C_1C_3C_5R_2R_3R_4 + C_1C_3C_5R_2R_3R_5 + C_1C_3C_5R_2R_4R_5 + C_1C_3C_5R_3R_4R_5}$ $\begin{array}{l} \text{K-LP:} \quad \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4} \\ \text{K-HP:} \quad \frac{R_1R_2R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} -\sqrt{C_1}\sqrt{C_3}\sqrt{C_5}R_2R_3R_4 \\ \text{K-HP:} \quad \frac{C_3C_5R_2R_4}{R_1R_2R_4+C_3C_6R_4} \\ \text{K-HP:} \quad \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP:} \quad \frac{C_1C_3C_5R_1R_2R_4+C_3C_5C_6R_2R_4R_6}{C_1C_3C_6R_2R_4+C_1C_3C_6R_2R_4+C_1C_5C_6R_2R_4+C_1C_5C_6R_2R_5+C_1C_5C_6R_4R_5+C_3C_5C_6R_4R_5} \\ \text{Qz:} \quad \text{None} \\ \text{When } & 1 \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.117 X-INVALID-WZ-117 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1C_3C_5R_2R_3R_4R_5s^2 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + c_3R_4R_5 + s\left(C_1C_3R_1R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_2R_4R_5\right)}$

Parameters:

Q: $-\frac{\sqrt{C_{3}}\sqrt{C_{5}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{C_{1}R_{2}R_{4}-C_{1}R_{2}R_{5}-C_{1}R_{4}R_{5}-C_{3}R_{4}R_{5}}}{\sqrt{C_{1}C_{3}R_{1}R_{4}R_{5}-\sqrt{C_{1}}C_{3}R_{2}R_{3}R_{4}+\sqrt{C_{1}}C_{3}R_{2}R_{3}R_{5}+\sqrt{C_{1}}C_{3}R_{2}R_{4}R_{5}+\sqrt{C_{1}}C_{3}R_{3}R_{4}R_{5}-\sqrt{C_{1}}C_{5}R_{2}R_{4}R_{5}}}$ wo: $\frac{\sqrt{C_{1}R_{2}R_{4}-C_{1}R_{2}R_{5}-C_{1}R_{4}R_{5}-C_{3}R_{4}R_{5}}}{\sqrt{C_{1}}\sqrt{C_{3}}\sqrt{C_{5}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}}}$ bandwidth: $-\frac{\sqrt{C_{1}C_{3}R_{1}R_{4}R_{5}-\sqrt{C_{1}}C_{3}R_{2}R_{3}R_{4}+\sqrt{C_{1}}C_{3}R_{2}R_{3}R_{5}+\sqrt{C_{1}}C_{3}R_{2}R_{4}R_{5}+\sqrt{C_{1}}C_{3}R_{3}R_{4}R_{5}-\sqrt{C_{1}}C_{5}R_{2}R_{4}R_{5}}}{\sqrt{C_{1}C_{3}C_{5}R_{2}R_{3}R_{4}R_{5}-\sqrt{C_{1}}C_{5}R_{2}R_{4}R_{5}}}$ K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$ K-HP: $-\frac{R_1R_6}{R_3}$ K-BP: $\frac{C_1C_3R_1R_2R_4R_6+C_3C_5R_2R_4R_5R_6}{C_1C_3R_1R_4R_5-C_1C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5+C_1C_3R_3R_4R_5-C_1C_5R_2R_4R_5}$ Qz: None Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.118 X-INVALID-WZ-118 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6\right)}{C_1C_6 + C_3C_6 + s^2\left(C_1C_3C_4C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2\right)}$

Parameters:

Q: $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_1+\sqrt{C_1}C_3R_2+\sqrt{C_1}C_3R_3+\sqrt{C_1}C_4R_2-\sqrt{C_1}C_5R_2}$ wo: $\sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}}$ bandwidth: $\frac{\sqrt{C_1 + C_3} \left(\sqrt{C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}\right)}{\sqrt{C_3 C_4 \sqrt{R_2} \sqrt{R_3} \sqrt{C_1 + C_3}} - \sqrt{C_3 C_4 \sqrt{R_2} \sqrt{R_3} \sqrt{C_1 + C_3}}\right) \sqrt{\frac{1}{C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}}}$ $\text{K-BP:} \frac{C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6}{C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2}$ Qz: None Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.119 X-INVALID-WZ-119
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_2R_3R_5 - C_1C_3C_5R_2R_3R_5\right) + s\left(C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5\right)}$$

Q: $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_1R_5}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_1R_5}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}}}{\sqrt{C_1}C_3R_1R_5-\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_5+\sqrt{C_1}C_3R_3R_5+\sqrt{C_1}C_4R_2R_5-\sqrt{C_1}C_5R_2R_5}}$ $\text{bandwidth: } \frac{\sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_3C_4R_2R_3R_5-C_1C_3C_5R_2R_3R_5}} \left(\sqrt{C_1}C_3R_1R_5-\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_5+\sqrt{C_1}C_3R_3R_5+\sqrt{C_1}C_4R_2R_5-\sqrt{C_1}C_5R_2R_5\right)}{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_1R_5}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{-\frac{C_1R_2}{C_4-C_5}+\frac{C_3R_5}{C_4-C_5}}}$ K-BP: $\frac{C_1C_3R_1R_2R_6+C_3C_5R_2R_5R_6}{C_1C_3R_1R_5-C_1C_3R_2R_3+C_1C_3R_2R_5+C_1C_3R_3R_5+C_1C_4R_2R_5-C_1C_5R_2R_5}{Qz: None}$ Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.120 X-INVALID-WZ-120 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3C_4R_1R_2R_4R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_4R_2R_4R_6\right)}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_3C_4R_1R_4R_5 - C_1C_3C_4R_2R_3R_4 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_4R_2R_4R_5\right) + s\left(C_1C_3R_1R_5 - C_1C_3R_2R_5 + C_1C_3R_2R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_4 + C_1C_4R_2R_5 + C_1C_4R_4R_5 + C_3C_4R_4R_5\right)}$

Parameters:

 $O: \frac{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}R_1R_4R_5\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{\sqrt{C_1}\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - \sqrt{C_1}\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5}} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_5} + \frac{C_1R_5}{R_1R_4R_5-R_$ $\frac{\text{bandwidth:}}{\sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_1R_4R_5\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_4\sqrt{-\frac{C_1R_2}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}} + \sqrt{C_1\sqrt{C_3}\sqrt{C_4}R_3R_4+R_2R_3R_5+R_3R_4R_5}}} - \sqrt{C_1\sqrt$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$

10.121 X-INVALID-WZ-121 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_3C_4C_6R_2R_3R_4 - C_1C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4\right)}$

Parameters:

 $\frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_3R_1R_4+\sqrt{C_1}C_3R_2R_3+\sqrt{C_1}C_3R_2R_4+\sqrt{C_1}C_3R_3R_4+\sqrt{C_1}C_4R_2R_4-\sqrt{C_1}C_5R_2R_4}$ wo: $\sqrt{C_1R_2 + C_1R_4 + C_3R_4}\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}$ bandwidth: $\frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \left(\sqrt{C_1}C_3R_1R_4 + \sqrt{C_1}C_3R_2R_3 + \sqrt{C_1}C_3R_2R_4 + \sqrt{C_1}C_3R_3R_4 + \sqrt{C_1}C_4R_2R_4 - \sqrt{C_1}C_5R_2R_4\right)\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}}{\sqrt{\frac{1}{C_1C_3C_4R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}}$ $\frac{\sqrt{C_3C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_2}}-\sqrt{C_3C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_2}}-\sqrt{C_3C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2+C_1R_4+C_3R_4}\sqrt{\frac{1}{C_4-C_2}}$ $\begin{array}{l} \text{K-LP: } \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4} \\ \text{K-HP: } \frac{C_5R_1R_6}{C_4R_3-C_5R_3} \end{array}$ $\text{K-BP: } \frac{C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6}{C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4} \\ \text{Qz: None}$ Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

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10.122 X-INVALID-WZ-122 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
```

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_3C_4R_2R_3R_4R_5 - C_1C_3C_5R_2R_3R_4R_5\right) + s\left(C_1C_3R_1R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C$

Parameters:

 $\begin{aligned} & \text{Q:} \ \frac{\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_4-C_5}+\frac{C_1R_4R_5}{C_4-C_5}+\frac{C_3R_4R_5}{C_4-C_5}}-\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_4-C_5}+\frac{C_1R_2R_5}{C_4-C_5}+\frac{C_1R_4R_5}{C_4-C_5}}}{\sqrt{C_1}C_3R_1R_4R_5-\sqrt{C_1}C_3R_2R_3R_4+\sqrt{C_1}C_3R_2R_3R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5}-\sqrt{C_1}C_3R_2R_4R_5-\sqrt{C_1}C_5R_2R_4R_5}}\\ & \text{wo:} \ \sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_3C_3R_2R_3R_4}}(\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_3R_4+\sqrt{C_1}C_3R_2R_3R_5+\sqrt{C_1}C_3R_2R_4R_5+\sqrt{C_1}C_3R_2R_4R_5-\sqrt{C_1}C_5R_2R_4R_5}}\\ & \text{bandwidth:} \ \frac{\sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_3C_5R_2R_4R_5}(\sqrt{C_1}C_3R_1R_4R_5-\sqrt{C_1}C_3R_2R_3R_4+\sqrt{C_1}C_3R_2R_3R_5+\sqrt{C_1}C_3R_2R_4R_5}}\\ & \text{K-LP:} \ -\frac{C_3R_2R_4R_6}{C_4R_3-C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}}{C_4R_3-C_1R_4R_5-C_1R_4R_5-C_3R_4R_5}\\ & \text{K-BP:} \ \frac{C_5R_1R_6}{C_4R_3-C_5R_3}\\ & \text{K-BP:} \ \frac{C_1C_3R_1R_2R_4R_6+C_3C_5R_2R_4R_5}{C_4C_5\sqrt{R_1}$

10.123 X-INVALID-WZ-123 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_1C_3R_1R_2R_3R_4R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6\right)}{R_4R_5 + s^2\left(C_1C_3R_1R_3R_4R_5 + C_1C_3R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_3}\sqrt{R_3}R_4R_5\sqrt{R_1+R_2}}{C_1R_1R_4R_5-C_1R_2R_3R_4+C_1R_2R_3R_5+C_1R_2R_4R_5+C_1R_3R_4R_5+C_3R_3R_4R_5}$ wo: $\frac{1}{\sqrt{C_1C_3R_1R_3+C_1C_3R_2R_3}}$ bandwidth: $\frac{C_1R_1R_4R_5-C_1R_2R_3R_4+C_1R_2R_3R_5+C_1R_2R_4R_5+C_1R_3R_4R_5+C_3R_3R_4R_5}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_3}R_4R_5\sqrt{R_1+R_2}\sqrt{C_1C_3R_1R_3+C_1C_3R_2R_3}}$ K-LP: $\frac{R_2R_6}{R_5}$ K-HP: $\frac{R_1R_2R_6}{R_1R_5+R_2R_5}$ K-BP: $\frac{C_1R_1R_2R_4R_6+C_3R_2R_3R_4R_6}{C_1R_1R_4R_5-C_1R_2R_3R_4+C_1R_2R_3R_5+C_1R_2R_4R_6}$ Qz: None $Wz: \frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_3}\sqrt{R_1}\sqrt{R_3}}$

10.124 X-INVALID-WZ-124 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4\right)}{C_6R_4 + s^2\left(C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_1}C_3R_1\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} }{C_1R_1}R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4 } \\ \text{wo: } \sqrt{\frac{1}{C_1C_3R_1R_3+C_1C_3R_2R_3-C_1C_5R_2R_3}} \\ \text{bandwidth: } \frac{(C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_3R_3R_4)\sqrt{\frac{1}{C_1C_3R_1R_3+C_1C_3R_2R_3-C_1C_5R_2R_3}}}{\sqrt{C_1}C_3R_1\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}}} \\ \text{K-LP: } \frac{C_5R_2}{C_6} \\ \text{K-HP: } \frac{C_3C_5R_1}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2}}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2} \\ \text{K-BP: } \frac{C_1C_5R_1R_2}{C_1C_6R_1R_4+C_1C_6R_2R_3+C_1C_6R_3R_4+C_3C_6R_3R_4}}{C_1C_6R_2R_4+C_1C_6R_3R_4+C_3C_6R_3R_4}} \\ \text{Wz: } \frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}} \\ \text{Wz: } \frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}} \\ \\$

10.125 X-INVALID-WZ-125
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_1C_3R_1R_2R_3R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_3R_2R_3R_6\right)}{R_5 + s^2\left(C_1C_3R_1R_3R_5 + C_1C_3R_2R_3R_5 + C_1C_4R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_3R_3R_5\right)}$$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$

10.126 X-INVALID-WZ-126 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_3s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_3C_5R_2R_3\right)}{C_6 + s^2\left(C_1C_3C_6R_1R_3 + C_1C_3C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_3C_6R_3\right)}$$

Parameters:

$$Q: \frac{\sqrt{C_{1}C_{3}R_{1}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + \sqrt{C_{1}C_{3}R_{2}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + \sqrt{C_{1}C_{4}R_{2}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} - \sqrt{C_{1}C_{5}R_{2}\sqrt{R_{3}}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} - C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{3}R_{3}}}{C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{3}R_{3}}$$

 $\frac{(C_1R_1 + C_1R_2 + C_1R_3 + C_3R_3)\sqrt{\frac{1}{C_1C_3R_1R_3 + C_1C_3R_2R_3 + C_1C_5R_2R_3}}}{\sqrt{C_1C_3R_1\sqrt{R_3}}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_4R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_3R_2\sqrt{R_3}\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}}} + \sqrt{C_1}C_3R_2\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}}}$

K-HP: $\frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2}$ K-BP: $\frac{C_1C_5R_1R_2+C_3C_5R_2R_3}{C_1C_6R_1+C_1C_6R_2+C_1C_6R_3+C_3C_6R_3}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$

10.127 X-INVALID-WZ-127 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

$$H(s) = \frac{C_1C_3R_1R_2R_3R_4R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6\right)}{R_4R_5 + s^2\left(C_1C_3R_1R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5\right)}$$

Parameters:

K-LP: $\frac{R_2 R_6}{R_5}$

K-HP: $\frac{C_3R_1R_2R_6}{C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5}$ K-BP: $\frac{C_1R_1R_2R_4R_6 + C_3R_2R_3R_4R_6}{C_1R_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_3R_3R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$

10.128 X-INVALID-WZ-128 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_3R_4s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_3C_5R_2R_3R_4\right)}{C_6R_4 + s^2\left(C_1C_3C_6R_1R_3R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_3C_6R_3R_4\right)}$$

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\text{Q:} \frac{\sqrt{C_{1}}C_{3}R_{1}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + \sqrt{C_{1}}C_{3}R_{2}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} + \sqrt{C_{1}}C_{4}R_{2}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} - \sqrt{C_{1}}C_{5}R_{2}\sqrt{R_{3}}R_{4}\sqrt{\frac{1}{C_{3}R_{1}+C_{3}R_{2}+C_{4}R_{2}-C_{5}R_{2}}} - C_{1}R_{1}R_{4}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{3}R_{3}R_{4}
             Wo: \sqrt{\frac{1}{C_1C_3R_1R_3+C_1C_3R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}
              \text{bandwidth: } \frac{(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_3R_3R_4)\sqrt{\frac{1}{C_1C_3R_1R_3 + C_1C_3R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2}R_3}}{\sqrt{C_1C_3R_1\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} + \sqrt{C_1}C_4R_2\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}}} + \sqrt{C_1}C_4R_2\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}} - \sqrt{C_1}C_5R_2\sqrt{R_3}R_4\sqrt{\frac{1}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2}}}}
           K-HP: \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2+C_4C_6R_2-C_5C_6R_2} K-BP: \frac{C_1C_5R_1R_2R_4+C_3C_5R_2R_3R_4}{C_1C_6R_1R_4+C_1C_6R_2R_3+C_1C_6R_2R_4+C_1C_6R_3R_4+C_3C_6R_3R_4} Qz: None
             Wz: \frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}
10.129 X-INVALID-WZ-129 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                                                                      H(s) = \frac{C_1C_4C_5R_1R_4R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_4C_5R_4R_6\right)}{C_1 + C_2 + s^2\left(C_1C_2C_4R_1R_4 + C_1C_2C_4R_3R_4 - C_1C_4C_5R_3R_4\right) + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_4R_3 + C_1C_4R_4 - C_1C_5R_3 + C_2C_4R_4\right)}
     Parameters:
              Q: \frac{\sqrt{C_1C_2\sqrt{C_4}R_1\sqrt{R_4}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}} + \sqrt{C_1C_2\sqrt{C_4}R_3\sqrt{R_4}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}} - \sqrt{C_1\sqrt{C_4}C_5R_3\sqrt{R_4}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}} - C_1C_2R_1+C_1C_2R_3+C_1C_4R_4+C_1C_5R_3+C_2C_4R_4}
             \text{wo: } \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 C_4 R_1 R_4 + C_1 C_2 C_4 R_3 R_4 - C_1 C_4 C_5 R_3 R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1 + C_2} \left(C_1 C_2 R_1 + C_1 C_2 R_3 + C_1 C_4 R_3 + C_1 C_4 R_4 - C_1 C_5 R_3 + C_2 C_4 R_4\right) \sqrt{\frac{1}{C_1 C_2 C_4 R_1 R_4 + C_1 C_2 C_4 R_3 R_4 - C_1 C_4 C_5 R_3 R_4}}}{\sqrt{C_1 C_2} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \sqrt{C_1 C_2} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_1} \sqrt{C_4 C_5 R_3} \sqrt{R_4} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} \\ - \sqrt{C_1 C_2} \sqrt{\frac{1}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - \sqrt{C_1} \sqrt{C_2 C_4 R_3 C_5 R_3} - \sqrt{C_1} \sqrt{C_2 C_4 R_3 C_5 R_3} \\ - \sqrt{C_1 C_2} \sqrt{C_1 C_2} \sqrt{C_1 C_2} \sqrt{C_1 C_2} \sqrt{C_1 C_2} \sqrt{C_1 C_2} \sqrt{C_2 R_1 + C_2 R_3 - C_5 R_3} \\ - \sqrt{C_1 C_2} \sqrt{C_
          K-LP: \frac{C_5R_6}{C_1+C_2}

K-HP: \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}

K-BP: \frac{C_1C_5R_1R_6+C_4C_5R_4R_6}{C_1C_2R_1+C_1C_2R_3+C_1C_4R_3+C_1C_4R_4-C_1C_5R_3+C_2C_4R_4}

Qz: None
             Wz: \frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}
10.130 X-INVALID-WZ-130 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                         H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_4s^2 + C_1C_6 + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}
     Parameters:
              Qz: None
             Wz: \frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}
```

10.131 X-INVALID-WZ-131 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)}{C_1C_2C_3R_1R_4R_5s^2 - C_1R_4 + C_1R_5 + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$

Parameters:

Q: $\frac{C_{1}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{-R_{4}+R_{5}}}{C_{1}C_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}-C_{1}C_{5}\sqrt{R_{4}}\sqrt{R_{5}}+C_{2}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}}$ wo: $\frac{\sqrt{-R_{4}+R_{5}}}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}}$ bandwidth: $\frac{C_{1}C_{2}\sqrt{R_{4}}\sqrt{R_{5}}+C_{1}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}-C_{1}C_{5}\sqrt{R_{4}}\sqrt{R_{5}}+C_{2}C_{3}\sqrt{R_{4}}\sqrt{R_{5}}}{C_{1}C_{2}C_{3}R_{1}\sqrt{R_{4}}\sqrt{R_{5}}}$ K-LP: $-\frac{C_{3}R_{4}R_{6}}{C_{1}R_{4}-C_{1}R_{5}}$

K-HP: $\frac{C_5R_6}{C_2}$ K-BP: $\frac{C_1C_3R_1R_6+C_3C_5R_5R_6}{C_1C_2R_5+C_1C_3R_5-C_1C_5R_5+C_2C_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.132 X-INVALID-WZ-132 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_5R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_3C_5R_5R_6\right)}{C_1C_2C_3R_1R_5s^2 - C_1 + s\left(C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}$$

Parameters:

Q: $\frac{iC_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}}{C_1C_2\sqrt{R_5} + C_1C_3\sqrt{R_5} + C_1C_4\sqrt{R_5} - C_1C_5\sqrt{R_5} + C_2C_3\sqrt{R_5}}$

wo: $\frac{i}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_5}}$ bandwidth: $\frac{C_1C_2\sqrt{R_5}+C_1C_3\sqrt{R_5}+C_1C_4\sqrt{R_5}-C_1C_5\sqrt{R_5}+C_2C_3\sqrt{R_5}}{C_1C_2C_3R_1\sqrt{R_5}}$

K-LP: $-\frac{C_3R_6}{C_1}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2}{C_1C_2R_5+C_1C_3R_1R_6+C_3C_5R_5R_6}{C_1C_2R_5+C_1C_3R_5+C_1C_4R_5-C_1C_5R_5+C_2C_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.133 X-INVALID-WZ-133 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_3C_4C_5R_4R_6\right)}{C_1C_2C_3C_4R_1R_4s^2 + C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s\left(C_1C_2C_3R_1 + C_1C_2C_4R_4 + C_1C_3C_4R_4 - C_1C_4C_5R_4 + C_2C_3C_4R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{C_1C_2C_3R_1+C_1C_2C_4R_4+C_1C_3C_4R_4-C_1C_4C_5R_4+C_2C_3C_4R_4}$ wo: $\frac{\sqrt{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$ bandwidth: $\frac{C_1C_2C_3R_1+C_1C_2C_4R_4+C_1C_3C_4R_4-C_1C_4C_5R_4+C_2C_3C_4R_4}{C_1C_2C_3C_4R_1R_4}$ K-LP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_1 C_3 C_5 R_1 R_6 + C_3 C_4 C_5 R_4 R_6}{C_1 C_2 C_3 R_1 + C_1 C_2 C_4 R_4 + C_1 C_3 C_4 R_4 - C_1 C_4 C_5 R_4 + C_2 C_3 C_4 R_4}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$

10.134 X-INVALID-WZ-134 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_2C_3C_6R_1R_4s^2 + C_1C_6 + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$

Parameters:

Q: $\frac{C_{1}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}}{C_{1}C_{2}\sqrt{R_{4}}+C_{1}C_{3}\sqrt{R_{4}}+C_{1}C_{4}\sqrt{R_{4}}-C_{1}C_{5}\sqrt{R_{4}}+C_{2}C_{3}\sqrt{R_{4}}}$ wo: $\frac{1}{\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{4}}}$ bandwidth: $\frac{C_{1}C_{2}\sqrt{R_{4}}+C_{1}C_{3}\sqrt{R_{4}}+C_{1}C_{4}\sqrt{R_{4}}-C_{1}C_{5}\sqrt{R_{4}}+C_{2}C_{3}\sqrt{R_{4}}}{C_{1}C_{2}C_{3}R_{1}\sqrt{R_{4}}}$

K-LP: $\frac{C_3C_5R_4}{C_1C_6}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_{12}}{C_{1}C_{2}C_{6}+C_{1}C_{3}C_{5}R_{1}+C_{3}C_{5}C_{6}R_{6}}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.135 X-INVALID-WZ-135
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)}{C_1C_2C_3R_1R_4R_5s^2 - C_1R_4 + C_1R_5 + s\left(C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

Q: $\frac{C_1\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{-R_4+R_5}}{C_1C_2\sqrt{R_4}\sqrt{R_5}+C_1C_3\sqrt{R_4}\sqrt{R_5}+C_1C_4\sqrt{R_4}\sqrt{R_5}-C_1C_5\sqrt{R_4}\sqrt{R_5}+C_2C_3\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-R_4+R_5}}{\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_1C_2\sqrt{R_4}\sqrt{R_5}+C_1C_3\sqrt{R_4}\sqrt{R_5}+C_1C_4\sqrt{R_4}\sqrt{R_5}-C_1C_5\sqrt{R_4}\sqrt{R_5}+C_2C_3\sqrt{R_4}\sqrt{R_5}}{C_1C_2C_3R_1\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_4R_6}{C_1R_4-C_1R_5}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_1C_3R_1R_6+C_3C_5R_5R_6}{C_1C_2R_5+C_1C_3R_5+C_1C_4R_5-C_1C_5R_5+C_2C_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.136 X-INVALID-WZ-136 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_3 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

 $Q: \frac{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_1C_2R_4+C_1C_3R_4+C_1C_5R_4+C_2C_3R_4}$

 $\text{wo: } \sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}} \\ \text{bandwidth: } \frac{(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 - C_3C_5R_3R_4}}}{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}}} \\$

 $\begin{array}{l} \text{K-LP: } \frac{C_3C_5R_4}{C_1C_6} \\ \text{K-HP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3} \\ \text{K-BP: } \frac{C_1C_3C_5R_1R_4+C_3C_5C_6R_4R_6}{C_1C_2C_6R_4+C_1C_3C_6R_3+C_1C_3C_6R_4-C_1C_5C_6R_4+C_2C_3C_6R_4} \\ \text{Qz: None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.137 X-INVALID-WZ-137 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_3R_4R_5 - C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$

Parameters:

 $Q: \underbrace{\frac{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} + \frac{R_5}{C_2R_1+C_2R_3-C$

wo: $\sqrt{\frac{-R_4 + R_5}{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 - C_3 C_5 R_3 R_4 R_5}}$

 $\begin{array}{l} & \frac{-R_4 + R_5}{\sqrt{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 - C_3 C_5 R_3 R_4 R_5}} (C_1 C_2 R_4 R_5 - C_1 C_3 R_3 R_4 + C_1 C_3 R_3 R_5 + C_1 C_3 R_4 R_5 - C_1 C_5 R_4 R_5 + C_2 C_3 R_4 R_5) \\ & \frac{-R_4 + R_5}{C_1 C_2 \sqrt{C_3} R_1 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + C_1 C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 - C_5 R_3}}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 - C_5 R_3}}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 - C_5 R_3}}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 - C_5 R_3}}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} - C_1 \sqrt{C_3} C_5 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_3 - C_5 R_3}}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + \frac{R_5}{C_2 R_1$

 $\begin{array}{c} C_1 C_2 \vee C_3 R_1 \vee R_4 \vee R_5 \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 - C_5 R_3}} + \frac{R_5}{C_2 R_1 + C_2 R_3 - C_5 R_3} + C_5 \\ \text{K-LP:} & -\frac{C_3 R_4 R_6}{C_1 R_4 - C_1 R_5} \\ \text{K-HP:} & \frac{C_5 R_1 R_6}{C_2 R_1 + C_2 R_3 - C_5 R_3} \\ \text{K-BP:} & \frac{C_1 C_3 R_1 R_4 R_6 + C_3 C_5 R_4 R_5 R_6}{C_1 C_2 R_4 R_5 - C_1 C_3 R_3 R_4 + C_1 C_3 R_3 R_5 + C_1 C_3 R_4 R_5 - C_1 C_5 R_4 R_5 + C_2 C_3 R_4 R_5} \\ \text{Qz:} & \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.138 X-INVALID-WZ-138
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_5R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_3C_5R_5R_6\right)}{-C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_3R_3R_5 + C_1C_3C_4R_3R_5 - C_1C_3C_5R_3R_5\right) + s\left(C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5\right)}$$

 $\frac{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+C_{1}C_{2}\sqrt{C_{3}}R_{3}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+C_{1}\sqrt{C_{3}}C_{4}R_{3}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}R_{3}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+C_{1}C_{2}R_{3}+C_{1}C$ Wo: $\sqrt{-\frac{1}{C_2C_3R_1R_5+C_2C_3R_3R_5+C_3C_4R_3R_5-C_3C_5R_3R_5}}$ K-HP: $\frac{C_1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}$ K-BP: $\frac{C_1C_3R_1R_6 + C_3C_5R_5R_6}{C_1C_2R_5 - C_1C_3R_3 + C_1C_3R_5 + C_1C_4R_5 - C_1C_5R_5 + C_2C_3R_5}$ Qz: None Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.139 X-INVALID-WZ-139 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_3C_4C_5R_1R_4R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_3C_4C_5R_4R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_1R_4 + C_1C_2C_3C_4R_3R_4 - C_1C_3C_4C_5R_3R_4\right) + s\left(C_1C_2C_3R_1 + C_1C_2C_3R_3 + C_1C_2C_4R_4 + C_1C_3C_4R_3 + C_1C_3C_4R_4 - C_1C_3C_5R_3 - C_1C_4C_5R_4 + C_2C_3C_4R_4\right)}$

Parameters:

 $Q: \frac{\sqrt{C_1C_2\sqrt{C_3}\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{C_1C_2}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_1C_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_1C_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_1C_4}{C_2R_1+C_2R_3-C_5R_3} + \frac{C_1C_3}{C_2R_1+C_2R_3-C_5R_3} + \frac{$ wo: $\sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_4R_1R_4+C_1C_2C_3C_4R_3R_4-C_1C_3C_4C_5R_3R_4}}$ $\sqrt{\frac{c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3}{c_1c_2c_3c_4R_1R_4+c_1c_2c_3c_4R_3R_4-c_1c_3c_4c_5R_3R_4}}(C_1C_2C_3R_1+C_1C_2C_3R_3+C_1C_2C_4R_4+C_1C_3C_4R_3+C_1C_3C_4R_4-C_1C_3C_5R_3-C_1C_4C_5R_4+C_2C_3C_4R_4)$ $\frac{\sqrt{\frac{C_1C_2C_3C_4R_1R_4+c_1C_2C_3C_4R_3R_4-c_1C_3C_4C_5R_3R_4}{C_2C_3C_4R_1R_4+c_1C_2C_3C_4R_3R_4-c_1C_3C_4C_5R_3R_4}}{\sqrt{C_1C_2\sqrt{C_3}\sqrt{C_4}R_1\sqrt{R_4}\sqrt{\frac{C_1C_2}{C_2R_1+C_2R_3-C_5R_3}+\frac{C_1C_3}{C_2R_1+C_2R_3-C_5R_3}+\frac{C_1$ K-LP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}$

K-BP: $\frac{C_1C_3C_5R_1R_6+C_3C_4C_5R_4R_6}{C_1C_2C_3R_1+C_1C_2C_3R_3+C_1C_2C_4R_4+C_1C_3C_4R_3+C_1C_3C_4R_4-C_1C_3C_5R_3-C_1C_4C_5R_4+C_2C_3C_4R_4}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}}$

10.140 X-INVALID-WZ-140 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_4R_6s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_3C_5C_6R_4R_6\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_3R_4 + C_1C_3C_4C_6R_3R_4 - C_1C_3C_5C_6R_3R_4\right) + s\left(C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_3C_$

Parameters:

 $\text{Q:} \ \frac{ C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}C_{2}\sqrt{C_{3}}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + C_{1}\sqrt{C_{3}}C_{4}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}}C_{5}R_{3}\sqrt{R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} \\ - C_{1}C_{2}R_{4}+C_{1}C_{3}R_{3}+C_{1}C_{3}R_{4}+C_{1}C_{4}R_{4}-C_{1}C_{5}R_{4}+C_{2}C_{3}R_{4} \\ - C_{1}C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3} \\ - C_{1}C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}+C_{4}R_{3}-C_{5}R_{3} \\ - C_{1}C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}+C_{4}R_{3}-C_{5}R_{3} \\ - C_{1}C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3}+C_{4}R_{3} \\ - C_{1}C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}+$ Wo: $\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_3R_4+C_3C_4R_3R_4-C_3C_5R_3R_4}}$ $\text{bandwidth: } \frac{(C_1C_2R_4 + C_1C_3R_3 + C_1C_3R_4 + C_1C_4R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_3R_4 + C_3C_5R_3R_4}}}{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_1C_2\sqrt{C_3}R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} + C_1\sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} - C_1\sqrt{C_3}C_5R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}}} + C_1\sqrt{C_3}C_4R_3\sqrt{R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3 - C_5R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3 - C_5R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3}} + C_1\sqrt{C_3}C_4R_3\sqrt{\frac{1}{C_3}C_4R_3}$ $\begin{array}{l} \text{K-LP: } \frac{C_3C_5R_4}{C_1C_6} \\ \text{K-HP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{K-BP: } \frac{C_5R_1R_6}{C_1C_2C_6R_4+C_1C_3C_6R_3+C_1C_3C_6R_4+C_1C_4C_6R_4-C_1C_5C_6R_4+C_2C_3C_6R_4} \\ \text{Qz: None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.141 X-INVALID-WZ-141
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_3C_5R_1R_4R_5R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_3C_5R_4R_5R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_3R_4R_5 + C_1C_3C_5R_3R_4R_5\right) + s\left(C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 - C_1C_5R_4R_5 + C_2C_3R_4R_5\right)}$$

 $Q: \frac{C_1C_2\sqrt{C_3}R_1\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}} + \frac{R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5R_5-C_1C_5R_5-C_1C_5R_5-C_1C_5R_5-C_1C_5R_5-C_1C_5R_5-C_1C_5R_5-C$ $\frac{-R_4 + R_5}{\sqrt{C_2 C_3 R_1 R_4 R_5 + C_2 C_3 R_3 R_4 R_5 + C_3 C_4 R_3 R_4 R_5 - C_3 C_5 R_3 R_4 R_5}} (C_1 C_2 R_4 R_5 - C_1 C_3 R_3 R_4 + C_1 C_3 R_3 R_5 + C_1 C_3 R_4 R_5 + C_1 C_5 R_4 R_5 + C_2 C_3 R_4 R_5) \\ \frac{-R_4 + R_5}{\sqrt{C_2 C_3 R_1 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 C_2 \sqrt{C_3} R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_2 R_1 + C_2 R_3 + C_4 R_3 - C_5 R_3}}} + C_1 \sqrt{C_3} C_4 R_3 \sqrt{R_4} \sqrt$

 $\begin{array}{l} \text{K-LP:} -\frac{C_3R_4R_6}{C_1R_4-C_1R_5} \\ \text{K-HP:} \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{K-BP:} \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{K-BP:} \frac{C_1C_3R_1R_4R_6+C_3C_5R_4R_5R_6}{C_1C_2R_4R_5-C_1C_3R_3R_4+C_1C_3R_3R_5+C_1C_3R_4R_5+C_1C_4R_4R_5-C_1C_5R_4R_5+C_2C_3R_4R_5} \\ \text{Qz: None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.142 X-INVALID-WZ-142 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1C_2C_3R_1R_3R_4s^2 + C_1R_3 + C_1R_4 + C_2R_4 + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 + C_1C_3R_3R_4 - C_1C_5R_3R_4 + C_2C_3R_3R_4\right)}$$

Parameters:

Q: $\frac{\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}}{C_{1}C_{2}R_{1}\sqrt{R_{4}}+C_{1}C_{2}R_{3}\sqrt{R_{4}}+C_{1}C_{3}R_{3}\sqrt{R_{4}}-C_{1}C_{5}R_{3}\sqrt{R_{4}}+C_{2}C_{3}R_{3}\sqrt{R_{4}}}$ wo: $\frac{\sqrt{C_{1}R_{3}+C_{1}R_{4}+C_{2}R_{4}}}{\sqrt{C_{1}}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}}}$ bandwidth: $\frac{C_{1}C_{2}R_{1}\sqrt{R_{4}}+C_{1}C_{2}R_{3}\sqrt{R_{4}}+C_{1}C_{3}R_{3}\sqrt{R_{4}}-C_{1}C_{5}R_{3}\sqrt{R_{4}}+C_{2}C_{3}R_{3}\sqrt{R_{4}}}{C_{1}C_{2}C_{3}R_{1}R_{3}\sqrt{R_{4}}}}$

K-BP: $\frac{C_1C_5R_1R_6+C_3C_5R_3R_6}{C_1C_2R_1+C_1C_2R_3+C_1C_3R_3-C_1C_5R_3+C_2C_3R_3}$ Qz: None Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$

10.143 X-INVALID-WZ-143 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_3R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_3C_5R_3R_6\right)}{C_1C_2C_3R_1R_3s^2 + C_1 + C_2 + s\left(C_1C_2R_1 + C_1C_2R_3 + C_1C_3R_3 + C_1C_4R_3 - C_1C_5R_3 + C_2C_3R_3\right)}$$

Parameters:

wo: $\frac{\sqrt{C_1+C_2}R_1+C_1C_2R_3+C_1C_3R_3}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$ bandwidth: $\frac{C_1C_2R_1+C_1C_2R_3+C_1C_3R_3+C_1C_4R_3-C_1C_5R_3+C_2C_3R_3}{C_1C_2C_3R_1R_3}$

K-LP: $\frac{C_5 R_6}{C_1 + C_2}$ K-HP: $\frac{C_5 R_6}{C_2}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_2}{C_1C_2R_1+C_1C_2R_3+C_1C_3R_3+C_1C_4R_3-C_1C_5R_3+C_2C_3R_3} \\ \text{Qz:} \ \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}$

10.144 X-INVALID-WZ-144 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_3R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_3C_5R_3R_4R_6\right)}{C_1C_2C_3R_1R_3R_4s^2 + C_1R_3 + C_1R_4 + C_2R_4 + s\left(C_1C_2R_1R_4 + C_1C_2R_3R_4 + C_1C_3R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4 + C_2C_3R_3R_4\right)}$$

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Q: \frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{C_1R_3}+C_1R_4+C_2R_4}{C_1C_2R_1\sqrt{R_4}+C_1C_2R_3\sqrt{R_4}+C_1C_3R_3\sqrt{R_4}+C_1C_4R_3\sqrt{R_4}-C_1C_5R_3\sqrt{R_4}+C_2C_3R_3\sqrt{R_4}} wo: \frac{\sqrt{C_1R_3}+C_1R_4+C_2R_4}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}} bandwidth: \frac{C_1C_2R_1\sqrt{R_4}+C_1C_2R_3\sqrt{R_4}+C_1C_3R_3\sqrt{R_4}+C_1C_4R_3\sqrt{R_4}-C_1C_5R_3\sqrt{R_4}+C_2C_3R_3\sqrt{R_4}}{C_1C_2C_3R_1R_3\sqrt{R_4}}
        K-LP: \frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4}
K-HP: \frac{C_5R_6}{C_2}
        K-BP: \frac{C_1C_5R_1R_6+C_3C_5R_3R_6}{C_1C_2R_1+C_1C_2R_3+C_1C_3R_3+C_1C_4R_3-C_1C_5R_3+C_2C_3R_3} Qz: None
        Wz: \frac{1}{\sqrt{C_1}\sqrt{C_3}\sqrt{R_1}\sqrt{R_3}}
10.145 X-INVALID-WZ-145 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                 H(s) = \frac{C_1C_2C_5R_1R_2R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6\right)}{-C_1C_2C_5R_2R_3R_4s^2 + C_1R_3 + C_1R_4 + c_2R_4 + s\left(C_1C_2R_1R_4 + C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4\right)}
   Parameters:
        Q: -\frac{i\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3+C_1R_4+C_2R_4}}{\sqrt{C_1}C_2R_1R_4+\sqrt{C_1}C_2R_2R_3+\sqrt{C_1}C_2R_2R_4+\sqrt{C_1}C_2R_3R_4-\sqrt{C_1}C_5R_3R_4}} wo: \frac{\sqrt{-C_1R_3-C_1R_4-C_2R_4}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}}
        bandwidth: \frac{i\sqrt{-C_1R_3-C_1R_4-C_2R_4}\left(\sqrt{C_1C_2R_1R_4+\sqrt{C_1C_2R_2R_3+\sqrt{C_1C_2R_2R_4+\sqrt{C_1C_2R_3R_4-\sqrt{C_1C_5R_3R_4}}}\right)}{\sqrt{C_1C_2C_5R_2R_3R_4\sqrt{C_1R_3+C_1R_4+C_2R_4}}}
        K-LP: \frac{C_5 R_4 R_6}{C_1 R_3 + C_1 R_4 + C_2 R_4}
K-HP: -\frac{R_1 R_6}{R_3}
       K-BP: \frac{C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6}{C_1C_2R_1R_4 + C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4}Qz: None
        Wz: \frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}
10.146 X-INVALID-WZ-146 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, R_4, R_5 + \frac{1}{C_5 s}, R_6\right)
                   H(s) = \frac{C_1C_2C_5R_1R_2R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_5R_1R_4R_5 - C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_5R_2R_4R_5\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_2R_4 + C_1C_2R_3R_4 - C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5 + C_2C_5R_4R_5\right)}
   Parameters:
        Q: \frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_1R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4}{\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{-\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{-\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_3R_4\sqrt{C_1R_3} + C_1R_4 + C_2R_4}\sqrt{\frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}{-\sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_3R_4 + C_1C_3R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_4 + C_1C_5R_3R_5 + C_1C_5R_4R_5}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4 + C_2R_4\sqrt{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}}} \\ + \sqrt{C_1}\sqrt{C_2}\sqrt{C_5}R_2R_4R_5\sqrt{C_1R_3} + C_1R_4R_5\sqrt{C_1R_3} 
        wo: \sqrt{C_1R_3 + C_1R_4 + C_2R_4}\sqrt{\frac{1}{C_1C_2C_5R_1R_4R_5 - C_1C_2C_5R_2R_3R_4 + C_1C_2C_5R_2R_3R_5 + C_1C_2C_5R_2R_4R_5 + C_1C_2C_5R_3R_4R_5}}
                                                                                                                                                                                                                                                                                                                                   \begin{array}{l} \text{K-LP: } \frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4} \\ \text{K-HP: } \frac{R_1R_2R_4R_6}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_3R_4R_5} \\ \text{K-BP: } \frac{C_1C_5R_1R_4R_6+C_2C_5R_2R_4R_6}{C_1C_5R_1R_4R_6+C_2C_5R_2R_4R_6} \\ \text{K-BP: } \frac{C_1C_2R_1R_4+C_1C_2R_2R_3+C_1C_2R_2R_4+C_1C_2R_3R_4-C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5}{C_1C_2R_3R_4-C_1C_5R_3R_4+C_1C_5R_3R_5+C_1C_5R_4R_5+C_2C_5R_4R_5} \\ \text{Qz: None} \end{array} 
        Wz: \frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}
10.147 X-INVALID-WZ-147 Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)
                                                                                                                                                                                                   H(s) = \frac{C_1C_2C_5R_1R_2R_6s^2 + C_5R_6 + s\left(C_1C_5R_1R_6 + C_2C_5R_2R_6\right)}{C_1 + C_2 + s^2\left(C_1C_2C_4R_2R_3 - C_1C_2C_5R_2R_3\right) + s\left(C_1C_2R_1 + C_1C_2R_2 + C_1C_2R_3 + C_1C_4R_3 - C_1C_5R_3\right)}
   Parameters:
         Q \colon \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{C_1+C_2}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_2R_1+\sqrt{C_1}C_2R_2+\sqrt{C_1}C_2R_3+\sqrt{C_1}C_4R_3-\sqrt{C_1}C_5R_3}
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677

wo: $\sqrt{C_1 + C_2} \sqrt{\frac{1}{C_1 C_2 C_4 R_2 R_3 - C_1 C_2 C_5 R_2 R_3}}$

K-LP: $\frac{C_5 R_6}{C_1 + C_2}$

bandwidth: $\frac{\sqrt{C_1 + C_2} \left(\sqrt{C_1} C_2 R_1 + \sqrt{C_1} C_2 R_2 + \sqrt{C_1} C_2 R_3 + \sqrt{C_1} C_4 R_3 - \sqrt{C_1} C_5 R_3\right) \sqrt{\frac{1}{C_1 C_2 C_4 R_2 R_3 - C_1 C_2 C_5 R_2 R_3}}}{\sqrt{C_2} C_4 \sqrt{R_2} \sqrt{R_3} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_2} C_5 \sqrt{R_2} \sqrt{R_3} \sqrt{C_1 + C_2} \sqrt{\frac{1}{C_4 - C_5}}}$

Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.148 X-INVALID-WZ-148 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_2C_5R_1R_2R_4R_6s^2 + C_5R_4R_6 + s\left(C_1C_5R_1R_4R_6 + C_2C_5R_2R_4R_6\right)}{C_1R_3 + C_1R_4 + C_2R_4 + s^2\left(C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4\right) + s\left(C_1C_2R_1R_4 + C_1C_2R_2R_3 + C_1C_2R_2R_4 + C_1C_2R_3R_4 + C_1C_4R_3R_4 - C_1C_5R_3R_4\right)}$

Parameters:

$$Q\colon \frac{\sqrt{C_2}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3+C_1R_4+C_2R_4}\sqrt{\frac{1}{C_4-C_5}}-\sqrt{C_2}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_3+C_1R_4+C_2R_4}\sqrt{\frac{1}{C_4-C_5}}}{\sqrt{C_1}C_2R_1R_4+\sqrt{C_1}C_2R_2R_3+\sqrt{C_1}C_2R_2R_4+\sqrt{C_1}C_2R_3R_4+\sqrt{C_1}C_4R_3R_4-\sqrt{C_1}C_5R_3R_4}}$$

wo: $\sqrt{C_1R_3 + C_1R_4 + C_2R_4} \sqrt{\frac{1}{C_1C_2C_4R_2R_3R_4 - C_1C_2C_5R_2R_3R_4}}$

bandwidth: $\frac{\sqrt{C_1 R_3 + C_1 R_4 + C_2 R_4} \left(\sqrt{C_1 C_2 R_1 R_4 + \sqrt{C_1 C_2 R_2 R_3 + \sqrt{C_1 C_2 R_2 R_4 + \sqrt{C_1 C_2 R_3 R_4 + \sqrt{C_1 C_2 C_4 R_2 R_3 R_4 - C_1 C_2 C_5 R_2 R_3 R_4}}}{\sqrt{C_2 C_4 \sqrt{R_2} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 R_3 + C_1 R_4 + C_2 R_4} \sqrt{\frac{1}{C_4 - C_5}} - \sqrt{C_2 C_5 \sqrt{R_2} \sqrt{R_3} \sqrt{R_4} \sqrt{C_1 R_3 + C_1 R_4 + C_2 R_4} \sqrt{\frac{1}{C_4 - C_5}}}}}$

 $\begin{array}{l} \text{K-LP: } \frac{C_5R_4R_6}{C_1R_3+C_1R_4+C_2R_4} \\ \text{K-HP: } \frac{C_5R_1R_6}{C_4R_3-C_5R_3} \end{array}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_4R_3-C_5R_3}{C_1C_2R_1R_4+C_1C_2R_2R_3+C_1C_2R_2R_4+C_1C_2R_3R_4+C_1C_4R_3R_4-C_1C_5R_3R_4} \\ \text{Qz: None} \ . \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.149 X-INVALID-WZ-149 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

$$H(s) = \frac{C_1C_2C_3R_1R_2R_4R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_2C_3R_4R_5\right)}$$

Parameters:

Q: $-\frac{C_{1}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{1}+R_{2}}\sqrt{-R_{4}+R_{5}}}{C_{1}C_{2}R_{2}R_{4}-C_{1}C_{2}R_{2}R_{5}-C_{1}C_{2}R_{4}R_{5}-C_{1}C_{3}R_{4}R_{5}-C_{2}C_{3}R_{4}R_{5}}$ wo: $\frac{\sqrt{-R_{4}+R_{5}}}{\sqrt{C_{2}C_{3}R_{1}}R_{4}R_{5}+C_{2}C_{3}R_{2}R_{4}R_{5}}}$ bandwidth: $-\frac{C_{1}C_{2}R_{2}R_{4}-C_{1}C_{2}R_{2}R_{5}-C_{1}C_{2}R_{4}R_{5}-C_{1}C_{3}R_{4}R_{5}-C_{2}C_{3}R_{4}R_{5}}{C_{1}\sqrt{C_{2}}\sqrt{C_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{R_{1}+R_{2}}\sqrt{C_{2}C_{3}R_{1}R_{4}R_{5}+C_{2}C_{3}R_{2}R_{4}R_{5}}}$ K-LP: $-\frac{C_{3}R_{4}R_{6}}{C_{1}R_{4}-C_{1}R_{5}}$ K-HP: $\frac{R_{1}R_{2}R_{6}}{R_{1}R_{5}+R_{2}R_{5}}$ K-RP: $-C_{1}C_{3}R_{1}R_{4}R_{6}-C_{2}C_{3}R_{2}R_{4}R_{6}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_6-C_2C_3R_2R_4R_6}{C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5-C_1C_3R_4R_5-C_2C_3R_4R_5} \\ \text{Qz: None} \ \ . \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.150 X-INVALID-WZ-150 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_2R_4 - C_1C_2C_5C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$$

Parameters:

$$\text{Q: } \frac{C_1\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} + C_1\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} - C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2-C_5R_2}} }{C_1C_2R_2+C_1C_2R_4+C_1C_3R_4-C_1C_5R_4+C_2C_3R_4}$$

 $\text{wo: } \sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_2R_4 - C_2C_5R_2R_4}} \\ \text{bandwidth: } \frac{(C_1C_2R_2 + C_1C_2R_4 + C_1C_3R_4 - C_1C_5R_4 + C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_1R_4 + C_2C_3R_2R_4 - C_2C_5R_2R_4}}}{C_1\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}} + C_1\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}} - C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1 + C_3R_2 - C_5R_2}}}}$

 $\begin{array}{l} \text{K-LP: } \frac{C_3C_5R_4}{C_1C_6} \\ \text{K-HP: } \frac{C_3C_5R_1R_2}{C_3C_6R_1+C_3C_6R_2-C_5C_6R_2} \\ \text{K-BP: } \frac{C_3C_5R_1R_2}{C_1C_2C_6R_2+C_1C_2C_6R_4+C_1C_3C_6R_4-C_1C_5C_6R_4+C_2C_3C_6R_4} \\ \text{Out. None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.151 X-INVALID-WZ-151
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5, R_6\right)$$

$$H(s) = \frac{C_1C_2C_3R_1R_2R_6s^2 + C_3R_6 + s\left(C_1C_3R_1R_6 + C_2C_3R_2R_6\right)}{-C_1 + s^2\left(C_1C_2C_3R_1R_5 + C_1C_2C_3R_2R_5 + C_1C_2C_4R_2R_5\right) + s\left(-C_1C_2R_2 + C_1C_2R_5 + C_1C_3R_5 + C_1C_4R_5 + C_2C_3R_5\right)}$$

K-HP: $\frac{C_1}{C_3R_1R_2R_6}$ K-BP: $\frac{-C_1C_3R_1R_2R_6}{C_1C_2R_2-C_1C_2R_5-C_1C_3R_5-C_1C_4R_5-C_2C_3R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.152 X-INVALID-WZ-152 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, \frac{R_6}{C_6 R_6 s + 1}\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_6R_1R_6 + C_1C_2C_3C_6R_2R_6 + C_1C_2C_5C_6R_2R_6\right) + s\left(C_1C_2C_3R_1 + C_1C_2C_3R_2 + C_1C_2C_5R_2 + C_1C_2C_6R_6 + C_1C_3C_6R_6 + C_1C_3C_$

Parameters:

 $O: \frac{\sqrt{C_1}\sqrt{C_2}C_3\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{C_1C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}} + \frac{C_1C_3}{C_3R_1+C_3R_2+C_4R_2-C_5R_2} + \frac{C_1C_3}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}$

Wo: $\sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_6R_1R_6+C_1C_2C_3C_6R_2R_6+C_1C_2C_4C_6R_2R_6-C_1C_2C_5C_6R_2R_6}}$

 $\frac{1}{\sqrt{C_1\sqrt{C_2}C_3\sqrt{C_6}R_1\sqrt{R_6}\sqrt{\frac{C_1C_2}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+\frac{C_1C_3}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1C_4}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}+\frac{C_1C_5}{C_3R_1+C$ $\begin{array}{c} \text{K-LP:} & \frac{C_1C_3}{C_3C_5R_6} + \frac{C_1C_3}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2} + \frac{C_1C_3}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2} + \frac{C_1C_4}{C_3R_1 + C_3R_2 + C_4R_2 - C_5R_2} \\ \text{K-HP:} & \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3} \\ \text{K-BP:} & \frac{C_3C_5R_1R_2}{C_3C_6R_1 + C_3C_6R_2 + C_4C_6R_2 - C_5C_6R_2} \\ \text{K-BP:} & \frac{C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6}{C_1C_2C_3R_2 + C_1C_2C_5R_2 + C_1C_2C_6R_6 + C_1C_3C_6R_6 + C_1C_4C_6R_6 - C_1C_5C_6R_6 + C_2C_3C_6R_6} \\ \text{Qz:} & \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.153 X-INVALID-WZ-153 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, R_5 + \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_5R_1R_5 + C_1C_2C_3C_5R_2R_5 + c_1C_2C_4C_5R_2R_5\right) + s\left(C_1C_2C_3R_1 + C_1C_2C_3R_2 + C_1C_2C_5R_2 + C_1C_2C_5R_5 + C_1C_3C_5R_5 + C_1C_4C_5R_5 + C_2C_3C_5R_5\right)}$

Parameters:

 $\begin{array}{l} \text{K-BP:} \ \frac{C_3R_1R_5+C_3R_2R_5+C_4R_2R_5}{C_1C_2C_3R_1+C_1C_2C_3R_2+C_1C_2C_5R_1R_6+C_2C_3C_5R_2R_6} \\ \text{Qz: None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.154 X-INVALID-WZ-154 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, R_5, R_6\right)$

 $H(s) = \frac{C_1C_2C_3R_1R_2R_4R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 + C_1C_2C_3R_2R_4R_5 + C_1C_2C_4R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 + C_1C_3R_4R_5 + C_1C_4R_4R_5 + C_2C_3R_4R_5\right)}$

```
 \begin{array}{c} \cdot \quad C_1C_2R_2R_4 - C_1C_2\overline{R_2R_5 - C_1}C_2R_4R_5 - C_1C_3R_4R_5 - C_1C_4R_4R_5 - C_2C_3R_4R_5 \\ \text{Wo:} \quad \frac{\sqrt{-R_4 + R_5}}{\sqrt{C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_4R_2R_4R_5}} \\ \text{bandwidth:} \quad - \frac{C_1C_2R_2R_4 - C_1C_2R_2R_5 - C_1C_2R_4R_5 - C_1C_3R_4R_5 - C_1C_4R_4R_5 - C_2C_3R_4R_5}{C_1\sqrt{C_2}\sqrt{R_4}\sqrt{R_5}\sqrt{C_3R_1 + C_3R_2 + C_4R_2}\sqrt{C_2C_3R_1R_4R_5 + C_2C_3R_2R_4R_5 + C_2C_4R_2R_5}} \\ \text{K-LP:} \quad - \frac{C_3R_4R_6}{C_1R_4 - C_1R_5} \\ \text{K-HP:} \quad \frac{C_3R_1R_2R_6}{C_3R_1R_5 + C_3R_2R_5 + C_4R_2R_5} \\ \text{K-BP:} \quad \frac{-C_1C_3R_4R_6 - C_2C_3R_2R_4R_6}{C_1C_2R_2R_5 - C_1C_2R_4R_5 - C_1C_3R_4R_5 - C_2C_3R_4R_5} \\ \text{Qz:} \quad \text{None} \\ \text{Wz:} \quad - \quad \quad 1 \end{array}
                 Wz: \frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}
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10.155 X-INVALID-WZ-155 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_4s^2 + C_3C_5R_4 + s\left(C_1C_3C_5R_1R_4 + C_2C_3C_5R_2R_4\right)}{C_1C_6 + s^2\left(C_1C_2C_3C_6R_1R_4 + C_1C_2C_3C_6R_2R_4 + C_1C_2C_4C_6R_2R_4 - C_1C_2C_5C_6R_2R_4\right) + s\left(C_1C_2C_6R_2 + C_1C_2C_6R_4 + C_1C_3C_6R_4 + C_1C_4C_6R_4 - C_1C_5C_6R_4 + C_2C_3C_6R_4\right)}$

Parameters:

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\frac{C_1\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_4R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}-C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_4R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_3R_4}+C_1\sqrt{C_2}C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R_4+C_1C_3R
   \frac{(C_1C_2R_2+C_1C_2R_4+C_1C_3R_4+C_1C_5R_4+C_2C_3R_4)\sqrt{\frac{1}{C_2C_3R_1R_4+C_2C_3R_2R_4+C_2C_4R_2R_4-C_2C_5R_2}}}{C_1\sqrt{C_2}C_3R_1\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_3R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}+C_1\sqrt{C_2}C_4R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}-C_1\sqrt{C_2}C_5R_2\sqrt{R_4}\sqrt{\frac{1}{C_3R_1+C_3R_2+C_4R_2-C_5R_2}}}
 \begin{array}{l} \text{K-HP:} \ \frac{C_{3}C_{5}R_{1}R_{2}}{C_{3}C_{6}R_{1} + C_{3}C_{6}R_{2} + C_{4}C_{6}R_{2} - C_{5}C_{6}R_{2}} \\ \text{K-BP:} \ \frac{C_{1}C_{3}C_{5}R_{1}R_{4} + C_{2}C_{3}C_{5}R_{2}R_{4}}{C_{1}C_{2}C_{6}R_{2} + C_{1}C_{2}C_{6}R_{4} + C_{1}C_{3}C_{6}R_{4} + C_{1}C_{4}C_{6}R_{4} - C_{1}C_{5}C_{6}R_{4} + C_{2}C_{3}C_{6}R_{4}} \end{array} 
       Qz: None
   Wz: \frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}
```

10.156 X-INVALID-WZ-156 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, R_4, R_5, R_6\right)$

 $H(s) = \frac{C_1C_2C_3R_1R_2R_4R_6s^2 + C_3R_4R_6 + s\left(C_1C_3R_1R_4R_6 + C_2C_3R_2R_4R_6\right)}{-C_1R_4 + C_1R_5 + s^2\left(C_1C_2C_3R_1R_4R_5 - C_1C_2C_3R_2R_3R_4 + C_1C_2C_3R_2R_4R_5 + C_1C_2C_3R_2R_4R_5\right) + s\left(-C_1C_2R_2R_4 + C_1C_2R_2R_5 + C_1C_2R_4R_5 - C_1C_3R_3R_4 + C_1C_3R_3R_5 + C_1C_3R_4R_5 + C_2C_3R_4R_5\right)}$

Parameters:

```
Q: \frac{-C_1\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}}{-R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} - C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5 + C_1C_3R_3R_5 +
    \frac{\text{bandwidth:}}{-C_1\sqrt{C_2}\sqrt{C_3}R_1R_4R_5\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_4\sqrt{-\frac{R_4}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5}} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} + C_1\sqrt{C_2}\sqrt{C_3}R_2R_3R_5+R_2R_4R_5+R_3R_4R
 \begin{array}{l} \text{K-HP:} \ \frac{C_1R_4-C_1R_5}{R_1R_4R_5-R_2R_3R_4+R_2R_3R_5+R_2R_4R_5+R_3R_4R_5} \\ \text{K-BP:} \ \frac{-C_1C_3R_1R_4R_6-C_2C_3R_2R_4R_6}{C_1C_2R_2R_4-C_1C_2R_2R_5-C_1C_2R_4R_5+C_1C_3R_3R_4-C_1C_3R_3R_5-C_1C_3R_4R_5-C_2C_3R_4R_5} \\ \text{Qz:} \ \text{None} \end{array}
```

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.157 X-INVALID-WZ-157 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6\right)$

 $H(s) = \frac{C_1C_2C_3C_5R_1R_2R_6s^2 + C_3C_5R_6 + s\left(C_1C_3C_5R_1R_6 + C_2C_3C_5R_2R_6\right)}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 + s^2\left(C_1C_2C_3C_4R_2R_3 - C_1C_2C_3C_5R_2R_3\right) + s\left(C_1C_2C_3R_1 + C_1C_2C_3R_2 + C_1C_2C_3R_3 + C_1C_2C_4R_2 - C_1C_2C_5R_2 + C_1C_3C_4R_3 - C_1C_3C_5R_3\right)}$

Parameters:

 $Q \colon \frac{\sqrt{C_2}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{C_1C_2}{C_4-C_5}} + \frac{C_1C_3}{C_4-C_5} + \frac{C_1C_4}{C_4-C_5} + \frac{C_1C_5}{C_4-C_5} + \frac{C_2C_3}{C_4-C_5}}{\sqrt{C_1}C_2C_3R_1 + \sqrt{C_1}C_2} - \sqrt{C_2}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{C_1C_2}{C_4-C_5}} + \frac{C_1C_3}{C_4-C_5} + \frac{C_1C_5}{C_4-C_5} + \frac{C_2C_3}{C_4-C_5}}{\sqrt{C_1}C_2C_3R_3 + \sqrt{C_1}C_2C_3R_3} + \sqrt{C_1}C_2C_4R_2 - \sqrt{C_1}C_2C_5R_2 + \sqrt{C_1}C_3C_4R_3 - \sqrt{C_1}C_3C_5R_3}$ $\frac{\sqrt{\frac{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}{C_1C_2C_3C_3C_4R_2R_3-C_1C_2C_3C_5R_2R_3}} \left(\sqrt{C_1}C_2C_3R_1+\sqrt{C_1}C_2C_3R_2+\sqrt{C_1}C_2C_3R_3+\sqrt{C_1}C_2C_4R_2-\sqrt{C_1}C_2C_5R_2+\sqrt{C_1}C_3C_4R_3-\sqrt{C_1}C_3C_5R_3}\right)}{\sqrt{C_2}\sqrt{C_3}C_4\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{C_1C_2}{C_4-C_5}+\frac{C_1C_3}{C_4-C_5}+\frac{C_1C_4}{C_4-C_5}-\frac{C_1C_5}{C_4-C_5}+\frac{C_2C_3}{C_4-C_5}-\sqrt{C_2}\sqrt{C_3}C_5\sqrt{R_2}\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{C_1C_2}{C_4-C_5}+\frac{C_1C_4}{C_4-C_5}+\frac{C_2C_3}{C_4-C_5}+\frac{C_2C_3}{C_4-C_5}}$ K-LP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-HP: $\frac{C_5R_1R_6}{C_4R_3-C_5R_3}$

K-BP: $\frac{C_1C_3C_5R_1R_6+C_2C_3C_5R_2R_6}{C_1C_2C_3R_1+C_1C_2C_3R_2+C_1C_2C_3R_3+C_1C_2C_4R_2-C_1C_2C_5R_2+C_1C_3C_4R_3-C_1C_3C_5R_3}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_2}\sqrt{R_1}\sqrt{R_2}}$

10.158 X-INVALID-WZ-158 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4\right)}$$

Parameters:

 $Q: \frac{\sqrt{C_1}C_2R_1\sqrt{R_2}R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}+\sqrt{C_1}C_2\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1+C_2R_3-C_5R_3}}}{C_1R_1R_4+C_1R_2R_3+C_1R_2R_4+C_1R_3R_4+C_2R_2R_4}$

 $\text{wo: } \sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 - C_1C_5R_2R_3}} \\ \text{bandwidth: } \frac{(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 - C_1C_5R_2R_3}}}{\sqrt{C_1C_2R_1\sqrt{R_2}R_4}\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + \sqrt{C_1}C_2\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - \sqrt{C_1}C_5\sqrt{R_2}R_3R_4\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}} \\$

K-LP: $\frac{C_5 R_2}{C_6}$

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}$ K-BP: $\frac{C_1C_5R_1R_2R_4+C_5C_6R_2R_4R_6}{C_1C_6R_1R_4+C_1C_6R_2R_3+C_1C_6R_2R_4+C_1C_6R_3R_4+C_2C_6R_2R_4}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.159 X-INVALID-WZ-159 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_2R_1R_2R_4R_5 + C_1C_2R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5\right)}$$

Parameters:

$$Q: \frac{\sqrt{C_{1}}C_{2}R_{1}\sqrt{R_{2}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}R_{4}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}R_{3}R_{4}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}}{C_{1}R_{1}R_{4}R_{5}-C_{1}}R_{2}R_{3}R_{4}+C_{1}R_{2}R_{3}R_{5}+C_{1}R_{2}R_{4}R_{5}+C_{1}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{4}R_{5}}$$

bandwidth: $\frac{(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 - C_1C_5R_2R_3}}}{\sqrt{C_1C_2R_1\sqrt{R_2}}R_4R_5\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} + \sqrt{C_1C_2\sqrt{R_2}}R_3R_4R_5\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}} - \sqrt{C_1C_5\sqrt{R_2}}R_3R_4R_5\sqrt{\frac{1}{C_2R_1 + C_2R_3 - C_5R_3}}}$

K-LP: $\frac{R_2R_6}{R_5}$

 $\begin{array}{l} \text{K-HP:} \ \frac{R_5}{C_2R_1+C_2R_3-C_5R_3} \\ \text{K-BP:} \ \frac{C_1R_1R_2R_4R_6+C_5R_2R_4R_5R_6}{C_1R_1R_4R_5-C_1R_2R_3R_4+C_1R_2R_3R_5+C_1R_2R_4R_5+C_1R_3R_4R_5+C_2R_2R_4R_5} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.160 X-INVALID-WZ-160 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_6s^2 + C_5R_2 + s\left(C_1C_5R_1R_2 + C_5C_6R_2R_6\right)}{C_6 + s^2\left(C_1C_2C_6R_1R_2 + C_1C_2C_6R_2R_3 + C_1C_4C_6R_2R_3 - C_1C_5C_6R_2R_3\right) + s\left(C_1C_6R_1 + C_1C_6R_2 + C_1C_6R_3 + C_2C_6R_2\right)}$$

Parameters:

$$Q: \underbrace{\frac{\sqrt{C_{1}}C_{2}R_{1}\sqrt{R_{2}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}_{C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{2}R_{2}} + \underbrace{\sqrt{C_{1}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}_{C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{2}R_{2}} - \underbrace{\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}}_{C_{1}R_{1}+C_{1}R_{2}+C_{1}R_{3}+C_{2}R_{2}}$$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$

 $(C_1R_1 + C_1R_2 + C_1R_3 + C_2R_2)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$ $\frac{\sqrt{C_1C_2R_1\sqrt{R_2}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1C_2\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1C_4\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\sqrt{C_1C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\sqrt{C_1C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1C_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\sqrt{C_1C_5\sqrt{R_2}R_3\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}$

K-LP: $\frac{C_5 R_2}{C_6}$

Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.161 X-INVALID-WZ-161
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$$

$$H(s) = \frac{C_1C_5R_1R_2R_5R_6s^2 + R_2R_6 + s\left(C_1R_1R_2R_6 + C_5R_2R_5R_6\right)}{R_5 + s^2\left(C_1C_2R_1R_2R_5 + C_1C_2R_2R_3R_5 + C_1C_4R_2R_3R_5 - C_1C_5R_2R_3R_5\right) + s\left(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5\right)}$$

Parameters:

 $\text{Q:} \ \frac{\sqrt{C_{1}}C_{2}R_{1}\sqrt{R_{2}}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}R_{3}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}R_{3}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-C_{1}R_{1}R_{5}-C_{1}R_{2}R_{3}+C_{1}R_{2}R_{5}+C_{1}R_{2}R_{5}+C_{1}R_{3}R_{5}+C_{2}R_{2}R_{5}}$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$

 $(C_1R_1R_5 - C_1R_2R_3 + C_1R_2R_5 + C_1R_3R_5 + C_2R_2R_5)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$

 $\frac{\sqrt{C_1C_2R_1\sqrt{R_2}R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1C_4\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\sqrt{C_1C_5\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}+\sqrt{C_1C_4\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\sqrt{C_1C_5\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}}-\frac{1}{\sqrt{C_1C_2\sqrt{R_2}R_3R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}$

K-LP: $\frac{R_2R_6}{R_5}$

K-HP: $\frac{\kappa_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}$ K-BP: $\frac{C_1R_1R_2R_6+C_5R_2R_5R_6}{C_1R_1R_5-C_1R_2R_3+C_1R_2R_5+C_1R_3R_5+C_2R_2R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.162 X-INVALID-WZ-162 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_1C_5C_6R_1R_2R_4R_6s^2 + C_5R_2R_4 + s\left(C_1C_5R_1R_2R_4 + C_5C_6R_2R_4R_6\right)}{C_6R_4 + s^2\left(C_1C_2C_6R_1R_2R_4 + C_1C_2C_6R_2R_3R_4 + C_1C_4C_6R_2R_3R_4 - C_1C_5C_6R_2R_3R_4\right) + s\left(C_1C_6R_1R_4 + C_1C_6R_2R_3 + C_1C_6R_2R_4 + C_1C_6R_3R_4 + C_2C_6R_2R_4\right)}$$

Parameters:

$$\text{Q:} \frac{\sqrt{C_{1}}C_{2}R_{1}\sqrt{R_{2}}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{4}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}C_{5}\sqrt{R_{2}}R_{3}R_{4}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-C_{1}R_{1}R_{4}+C_{1}R_{2}R_{3}+C_{1}R_{2}R_{4}+C_{1}R_{2}R_{4}+C_{1}R_{3}R_{4}+C_{2}R_{2}R_{4}}$$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$

 $(C_1R_1R_4 + C_1R_2R_3 + C_1R_2R_4 + C_1R_3R_4 + C_2R_2R_4)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2}R_3}$

K-LP: $\frac{C_5 R_2}{C_6}$

K-HP: $\frac{C_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{K-BP: } \frac{C_1C_5R_1R_6}{C_1C_6R_1R_4+C_1C_6R_2R_3+C_1C_6R_2R_4+C_5C_6R_2R_4R_6} \\ \text{Qz: None}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.163 X-INVALID-WZ-163 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_5R_1R_2R_4R_5R_6s^2 + R_2R_4R_6 + s\left(C_1R_1R_2R_4R_6 + C_5R_2R_4R_5R_6\right)}{R_4R_5 + s^2\left(C_1C_2R_1R_2R_4R_5 + C_1C_2R_2R_3R_4R_5 + C_1C_4R_2R_3R_4R_5 - C_1C_5R_2R_3R_4R_5\right) + s\left(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5\right)}$$

Parameters:

$$Q: \underbrace{\frac{\sqrt{C_{1}C_{2}R_{1}\sqrt{R_{2}}R_{4}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}C_{2}\sqrt{R_{2}}R_{3}R_{4}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}C_{4}\sqrt{R_{2}}R_{3}R_{4}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}C_{5}\sqrt{R_{2}}R_{3}R_{4}R_{5}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-C_{1}R_{1}R_{4}R_{5}-C_{1}R_{2}R_{3}R_{4}+C_{1}R_{2}R_{3}R_{5}+C_{1}R_{2}R_{4}R_{5}+C_{1}R_{3}R_{4}R_{5}+C_{2}R_{2}R_{4}R_{5}}$$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_2+C_1C_2R_2R_3+C_1C_4R_2R_3-C_1C_5R_2R_3}}$

 $(C_1R_1R_4R_5 - C_1R_2R_3R_4 + C_1R_2R_3R_5 + C_1R_2R_4R_5 + C_1R_3R_4R_5 + C_2R_2R_4R_5)\sqrt{\frac{1}{C_1C_2R_1R_2 + C_1C_2R_2R_3 + C_1C_4R_2R_3 - C_1C_5R_2R_3}}$

 $\frac{\sqrt{C_1}C_2R_1\sqrt{R_2}R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_2\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}-\sqrt{C_1}C_5\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3R_4R_5\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\sqrt{C_1}C_4\sqrt{R_2}R_3+C_2R_3}+C_2R_3+C_2R_3+C_2R_3+C_2R_3+C_2R_3+C_2R_3+C_2R_3+C_2R_3+C_2R_3+$

K-HP: $\frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}$ K-BP: $\frac{C_1R_1R_2R_4R_6+C_5R_2R_4R_5R_6}{C_1R_1R_4R_5-C_1R_2R_3R_4+C_1R_2R_3R_5+C_1R_2R_4R_5+C_1R_3R_4R_5+C_2R_2R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.164 X-INVALID-WZ-164
$$Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$$

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1R_2} + C_1R_4 + C_3R_4}{C_1C_2R_2\sqrt{R_4} + C_1C_3R_1\sqrt{R_4} + C_1C_3R_2\sqrt{R_4} - C_1C_5R_2\sqrt{R_4} + C_2C_3R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{C_1R_2} + C_1R_4 + C_3R_4}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_1C_2R_2\sqrt{R_4} + C_1C_3R_1\sqrt{R_4} + C_1C_3R_2\sqrt{R_4} - C_1C_5R_2\sqrt{R_4} + C_2C_3R_2\sqrt{R_4}}{C_1C_2C_3R_1R_2\sqrt{R_4}}$

K-LP: $\frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_2}{C_1C_2C_6R_2 + C_1C_3C_6R_1 + C_1C_3C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.165 X-INVALID-WZ-165 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{C_1C_2C_3R_1R_2R_4R_5s^2 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 - C_1C_5R_2R_4R_5 + C_2C_3R_2R_4R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-C_1}R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_2R_2\sqrt{R_4}\sqrt{R_5}+C_1C_3R_1\sqrt{R_4}\sqrt{R_5}+C_1C_3R_2\sqrt{R_4}\sqrt{R_5}-C_1C_5R_2\sqrt{R_4}\sqrt{R_5}+C_2C_3R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-C_1}R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_1C_2R_2\sqrt{R_4}\sqrt{R_5}+C_1C_3R_1\sqrt{R_4}\sqrt{R_5}+C_1C_3R_2\sqrt{R_4}\sqrt{R_5}-C_1C_5R_2\sqrt{R_4}\sqrt{R_5}+C_2C_3R_2\sqrt{R_4}\sqrt{R_5}}{C_1C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_1C_3R_1R_2R_6+C_3C_5R_2R_5R_6}{C_1C_2R_2R_5+C_1C_3R_1R_5+C_1C_3R_2R_5-C_1C_5R_2R_5+C_2C_3R_2R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.166 X-INVALID-WZ-166 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6\right)}{C_1C_2C_3C_6R_1R_2s^2 + C_1C_6 + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1+C_3}}{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}$ wo: $\frac{\sqrt{C_1+C_3}}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}}$ bandwidth: $\frac{C_1C_2R_2+C_1C_3R_1+C_1C_3R_2+C_1C_4R_2-C_1C_5R_2+C_2C_3R_2}{C_1C_2C_3R_1R_2}$

K-LP: $\frac{C_3C_5R_2}{C_1C_6+C_3C_6}$ K-HP: $\frac{C_5R_6}{C_2}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.167 X-INVALID-WZ-167 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6\right)}{C_1C_2C_3R_1R_2R_5s^2 - C_1R_2 + C_1R_5 + C_3R_5 + s\left(C_1C_2R_2R_5 + C_1C_3R_1R_5 + C_1C_3R_2R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 + C_2C_3R_2R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-C_1R_2+C_1R_5+C_3R_5}}{C_1C_2R_2\sqrt{R_5}+C_1C_3R_1\sqrt{R_5}+C_1C_3R_2\sqrt{R_5}+C_1C_4R_2\sqrt{R_5}-C_1C_5R_2\sqrt{R_5}+C_2C_3R_2\sqrt{R_5}}$

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bandwidth: \frac{C_1C_2R_2\sqrt{R_5} + C_1C_3R_1\sqrt{R_5} + C_1C_3R_2\sqrt{R_5} + C_1C_4R_2\sqrt{R_5} - C_1C_5R_2\sqrt{R_5} + C_2C_3R_2\sqrt{R_5}}{C_1C_2C_3R_1R_2\sqrt{R_5}}
K-LP: -\frac{C_3R_2R_6}{C_1R_2-C_1R_5-C_3R_5}
K-HP: \frac{C_5R_6}{C_2}
 K-BP: \frac{C_1C_3R_1R_2R_6+C_3C_5R_2R_5R_6}{C_1C_2R_2R_5+C_1C_3R_1R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_5R_2R_5+C_2C_3R_2R_5} Qz: None
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Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.168 X-INVALID-WZ-168 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_2C_3C_6R_1R_2R_4s^2 + C_1C_6R_2 + C_1C_6R_4 + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{C_1R_2}+C_1R_4+C_3R_4}{C_1C_2R_2\sqrt{R_4}+C_1C_3R_1\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}+C_1C_4R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}$ wo: $\frac{\sqrt{C_1R_2}+C_1R_4+C_3R_4}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}}$ bandwidth: $\frac{C_1C_2R_2\sqrt{R_4}+C_1C_3R_1\sqrt{R_4}+C_1C_3R_2\sqrt{R_4}+C_1C_4R_2\sqrt{R_4}-C_1C_5R_2\sqrt{R_4}+C_2C_3R_2\sqrt{R_4}}{C_1C_2C_3R_1R_2\sqrt{R_4}}$

 $\begin{array}{l} \text{K-LP: } \frac{C_3C_5R_2R_4}{C_1C_6R_2+C_1C_6R_4+C_3C_6R_4} \\ \text{K-HP: } \frac{C_5R_6}{C_2} \end{array}$

 $\begin{array}{l} \text{K-BP:} \; \frac{C_2}{C_1C_2C_6R_2 + C_1C_3C_6R_1 + C_1C_3C_6R_2 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2} \\ \text{Qz:} \; \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}$

10.169 X-INVALID-WZ-169 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

 $H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{C_1C_2C_3R_1R_2R_4R_5s^2 - C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + c\left(C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 + C_1C_3R_2R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5 + C_2C_3R_2R_4R_5\right)}$

Parameters:

Q: $\frac{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5}+C_3R_4R_5}{C_1C_2R_2\sqrt{R_4}\sqrt{R_5}+C_1C_3R_1\sqrt{R_4}\sqrt{R_5}+C_1C_3R_2\sqrt{R_4}\sqrt{R_5}+C_1C_4R_2\sqrt{R_4}\sqrt{R_5}-C_1C_5R_2\sqrt{R_4}\sqrt{R_5}+C_2C_3R_2\sqrt{R_4}\sqrt{R_5}}$ wo: $\frac{\sqrt{-C_1}R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{\sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}}$ bandwidth: $\frac{C_1C_2R_2\sqrt{R_4}\sqrt{R_5}+C_1C_3R_1\sqrt{R_4}\sqrt{R_5}+C_1C_3R_2\sqrt{R_4}\sqrt{R_5}+C_1C_4R_2\sqrt{R_4}\sqrt{R_5}-C_1C_5R_2\sqrt{R_4}\sqrt{R_5}+C_2C_3R_2\sqrt{R_4}\sqrt{R_5}}{C_1C_2C_3R_1R_2\sqrt{R_4}\sqrt{R_5}}$

K-LP: $-\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}$ K-HP: $\frac{C_5R_6}{C_2}$

K-BP: $\frac{C_1C_3R_1R_2R_6+C_3C_5R_2R_5R_6}{C_1C_2R_2R_5+C_1C_3R_1R_5+C_1C_3R_2R_5+C_1C_4R_2R_5-C_1C_5R_2R_5+C_2C_3R_2R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

10.170 X-INVALID-WZ-170 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_1R_2R_4 + C_1C_3C_5C_6R_2R_3R_4\right) + s\left(C_1C_2C_6R_2R_4 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_3C_6R_3R_$

Parameters:

 $\frac{\sqrt{C_{1}}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{C_{3}}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{2}R_{3}-C_{5}R_{3}}}-C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{2}R_{3}-C_{5}R_{3}}}$

 $\text{wo: } \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{C_1R_2 + C_1R_4 + C_3R_4} (C_1C_2R_2R_4 + C_1C_3R_1R_4 + C_1C_3R_2R_3 + C_1C_3R_2R_4 + C_1C_5R_2R_4 + C_2C_3R_2R_4) \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 - C_1C_3C_5R_2R_3R_4}}} {\sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}} + \sqrt{C_1C_2}\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}} - \sqrt{C_1}\sqrt{C_2}\sqrt{C_3}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_3}} - \sqrt{C_1}\sqrt{C_3}\sqrt{C_2}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}} - \sqrt{C_2}\sqrt{C_2}\sqrt{C_2}\sqrt{R_2}R_3\sqrt{R_4}\sqrt{C_1R_2 + C_1R_4 + C_3R_4}} - \sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_2}\sqrt{C_1}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt{C_1}\sqrt{C_2}\sqrt$

 $\begin{array}{l} \text{K-LP: } \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4} \\ \text{K-HP: } \frac{C_5R_1R_6}{C_2R_1 + C_2R_3 - C_5R_3} \end{array}$

K-BP: $\frac{C_1C_3C_5R_1R_2R_4+C_3C_5C_6R_2R_4R_6}{C_1C_2C_6R_2R_4+C_1C_3C_6R_1R_4+C_1C_3C_6R_2R_3+C_1C_3C_6R_2R_4+C_1C_3C_6R_3R_4-C_1C_5C_6R_2R_4+C_2C_3C_6R_2R_4}$ Qz: None

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Wz: \frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}
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Wz: $\frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}$

 $\text{K-BP: } \frac{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3}{C_1C_3R_1R_2 - C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6} \\ \frac{C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6}{C_1C_2R_2R_5 + C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 + C_2C_3R_2R_5} \\ \frac{C_1C_2R_2R_5 + C_1C_3R_1R_5 - C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_3R_5 + C_1C_4R_2R_5 - C_1C_5R_2R_5 + C_2C_3R_2R_5}{C_1C_3R_3R_3R_5 + C_1C_3R_3R_5 + C_1C_3R_5 + C_1C_3$

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10.171 X-INVALID-WZ-171 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
   H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_3C_3R_2R_3R_4R_5\right) + s\left(C_1C_2R_2R_4R_5 + C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C
       Parameters:
                   Q: \frac{\sqrt{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{C_{1}R_{2}R_{4}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{2}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{4}R_{5}}{C_{2}R_{1}+C_{2}R_{3}-C_{5}R_{3}} +
                                                        \sqrt{\frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{C_1C_2C_3R_1R_2R_4R_5+C_1C_2C_3R_2R_3R_4R_5-C_1C_3C_5R_2R_3R_4R_5}}
                  \frac{-C_1R_2R_4+C_1R_2R_5+C_1R_4R_5+C_3R_4R_5}{\sqrt{C_1C_2C_3R_1R_2R_4R_5+C_1C_3C_3R_2R_3R_4+C_1C_3R_2R_3R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_3R_2R_4R_5+C_1C_
                 K-LP: -\frac{C_3R_2R_4R_6}{C_1R_2R_4-C_1R_2R_5-C_1R_4R_5-C_3R_4R_5}

K-HP: \frac{C_5R_1R_6}{C_2R_1+C_2R_3-C_5R_3}
                 \begin{array}{c} \text{K-BP:} \ \frac{C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6}{C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_3R_4R_5 - C_1C_5R_2R_4R_5 + C_2C_3R_2R_4R_5} \\ \text{Qz:} \ \text{None} \end{array} 
                   Wz: \frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}
10.172 X-INVALID-WZ-172 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                  H(s) = \frac{C_1C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_2 + s\left(C_1C_3C_5R_1R_2 + C_3C_5C_6R_2R_6\right)}{C_1C_6 + C_3C_6 + s^2\left(C_1C_2C_3C_6R_1R_2 + C_1C_2C_3C_6R_2R_3 + C_1C_3C_6R_2R_3 - C_1C_3C_5C_6R_2R_3\right) + s\left(C_1C_2C_6R_2 + C_1C_3C_6R_2 + C_1C_3C_6R_3 + C_1C_4C_6R_2 - C_1C_5C_6R_2 + C_2C_3C_6R_2\right)}
         Parameters:
                     Q: \frac{\sqrt{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}C_{2}\sqrt{C_{3}}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \sqrt{C_{1}\sqrt{C_{3}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - \sqrt{C_{1}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}\sqrt{C_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}}R_{3}\sqrt{C_{1}+C_{3}\sqrt{C_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} - C_{1}\sqrt{C_{3}C_{5}\sqrt{R_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}} - C_{
                 wo: \sqrt{C_1 + C_3} \sqrt{\frac{1}{C_1 C_2 C_3 R_1 R_2 + C_1 C_2 C_3 R_2 R_3 + C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}
                                                                                                                                                                                                                                                                                                             \sqrt{C_1 + C_3} (C_1 C_2 R_2 + C_1 C_3 R_1 + C_1 C_3 R_2 + C_1 C_3 R_3 + C_1 C_4 R_2 - C_1 \underbrace{C_5 R_2 + C_2 C_3 R_2}_{C_1 C_2 C_3 R_1 R_2 + C_1 C_2 C_3 R_2 R_3 + C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}_{C_1 C_2 C_3 R_1 R_2 + C_1 C_2 C_3 R_2 + C_1 C_3 C_4 R_2 R_3 - C_1 C_3 C_5 R_2 R_3}
                \frac{\sqrt{C_1C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1C_2\sqrt{C_3}\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\sqrt{C_1\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}-\sqrt{C_1\sqrt{C_3}C_5\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}+\sqrt{C_1\sqrt{C_3}C_4\sqrt{R_2}R_3\sqrt{C_1+C_3}\sqrt{\frac{1}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}}}
               \begin{array}{l} \text{K-LP: } \frac{C_3C_5R_2}{C_1C_6+C_3C_6} \\ \text{K-HP: } \frac{C_3R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} + \sqrt{C_1C_2\sqrt{C_3\sqrt{R_2R_3\sqrt{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}} \\ \text{K-BP: } \frac{C_5R_1R_6}{C_2R_1+C_2R_3+C_4R_3-C_5R_3} \\ \text{Qz: None} \end{array} 
                  Wz: \frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}
10.173 X-INVALID-WZ-173 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C_1C_3C_5R_1R_2R_5R_6s^2 + C_3R_2R_6 + s\left(C_1C_3R_1R_2R_6 + C_3C_5R_2R_5R_6\right)
                                                                                        H(s) = \frac{1}{-C_1R_2 + C_1R_5 + C_3R_5 + s^2\left(C_1C_2C_3R_1R_2R_5 + C_1C_3C_4R_2R_3R_5 + C_1C_3C_5R_2R_3R_5\right) + s\left(C_1C_2R_2R_5 + C_1C_3R_2R_3 + C_1C_3R_2R_5 + C_1C_3R_2R_
         Parameters:
                   Q: \frac{\sqrt{C_{1}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{R_{5}}\sqrt{-\frac{C_{1}R_{2}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}} + \frac{C_{1}R_{5}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}} + \frac{C_{3}R_{5}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}} + \frac{C_{1}R_{5}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}} + \frac{C_{1}R_{5}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \sqrt{\frac{-C_1R_2+C_1R_5+C_3R_5}{C_1C_2C_3R_1R_2R_5+C_1C_2C_3R_2R_3R_5+C_1C_3C_4R_2R_3R_5-C_1C_3C_5R_2R_3R_5}}(C_1C_2R_2R_5+C_1C_3R_1R_5-C_1C_3R_2R_3+C_1C_3R_2R_5+C_1C_3R_3R_5+C_1C_4R_2R_5-C_1C_5R_2R_5+C_2C_3R_2R_5)
                   \frac{\sqrt{C_1C_2C_3R_1R_2R_5+C_1C_2C_3R_2R_3R_5+C_1C_3C_4R_2R_3-C_1C_3C_4R_2R_3-C_1C_3C_4R_2R_3-C_1C_3C_4R_2R_3-C_1C_3C_4R_2R_3-C_1C_3C_4R_2R_3-C_1C_3C_4R_2R_3-C_1C_3C_4R_2R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_1C_3C_4R_3-C_
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10.174 X-INVALID-WZ-174 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C_1C_3C_5C_6R_1R_2R_4R_6s^2 + C_3C_5R_2R_4 + s\left(C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6\right)
H(s) = \frac{1}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4 + s^2\left(C_1C_2C_3C_6R_1R_2R_4 + C_1C_3C_6R_2R_3R_4 + C_1C_3C_6R_3R_4 + C_
                                      \frac{\sqrt{C_{1}}C_{2}\sqrt{C_{3}}R_{1}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}C_{2}\sqrt{C_{3}}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}+\sqrt{C_{1}}\sqrt{C_{3}}C_{4}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{3}}C_{5}\sqrt{R_{2}}R_{3}\sqrt{R_{4}}\sqrt{C_{1}R_{2}+C_{1}R_{4}+C_{3}R_{4}}\sqrt{\frac{1}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}}-\sqrt{C_{1}}\sqrt{C_{2}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{4}+C_{1}C_{3}R_{
                  \text{wo: } \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{\frac{1}{C_1C_2C_3R_1R_2R_4 + C_1C_2C_3R_2R_3R_4 + C_1C_3C_5R_2R_3R_4}}{\sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{C_1R_2 + C_1R_4 + C_3R_4} \sqrt{C_1R_2 + C_1R_4 + C_3R_2R_4 + C_1C_3R_2R_4 + C_1C
                  \begin{array}{lll} \text{K-LP:} & \frac{C_3C_5R_2R_4}{C_1C_6R_2 + C_1C_6R_4 + C_3C_6R_4} \\ \text{K-HP:} & \frac{C_5R_1R_6}{C_2R_1 + C_2R_3 + C_4R_3 - C_5R_3} \end{array} 
                   \begin{array}{l} \text{K-BP:} \ \frac{C_1C_3C_5R_1R_2R_4 + C_3C_5C_6R_2R_4R_6}{C_1C_2C_6R_2R_4 + C_1C_3C_6R_1R_4 + C_1C_3C_6R_2R_3 + C_1C_3C_6R_2R_4 + C_1C_3C_6R_3R_4 + C_1C_4C_6R_2R_4 - C_1C_5C_6R_2R_4 + C_2C_3C_6R_2R_4} \\ \text{Qz: None} \end{array} 
                   Wz: \frac{1}{\sqrt{C_1}\sqrt{C_6}\sqrt{R_1}\sqrt{R_6}}
10.175 X-INVALID-WZ-175 Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, R_3 + \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
H(s) = \frac{C_1C_3C_5R_1R_2R_4R_5R_6s^2 + C_3R_2R_4R_6 + s\left(C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6\right)}{-C_1R_2R_4 + C_1R_2R_5 + C_1R_4R_5 + C_3R_4R_5 + s^2\left(C_1C_2C_3R_1R_2R_4R_5 + C_1C_3C_3R_2R_3R_4R_5 + C_1C_3C_3R_2R_3R_4R_5 + C_1C_3R_2R_3R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_3R_3R_4R_5
      Parameters:
                  Q: \frac{\sqrt{C_1C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \frac{\sqrt{C_1C_2\sqrt{C_3}R_1\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{C_1R_2R_4}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}}+\frac{C_1R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_2R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_4R_3-C_5R_3}+\frac{C_1R_4R_5}{C_2R_1+C_2R_3+C_
               K-LP: -\frac{C_{3}R_{2}R_{4}-C_{1}}{C_{1}R_{2}R_{4}-C_{1}R_{2}R_{5}-C_{1}R_{4}R_{5}-C_{3}R_{4}R_{5}}
K-HP: \frac{C_{5}R_{1}R_{6}}{C_{2}R_{1}+C_{2}R_{3}+C_{4}R_{3}-C_{5}R_{3}}
                 \begin{array}{l} \text{K-BP:} \ \frac{C_1C_3R_1R_2R_4R_6 + C_3C_5R_2R_4R_5R_6}{C_1C_2R_2R_4R_5 + C_1C_3R_1R_4R_5 - C_1C_3R_2R_3R_4 + C_1C_3R_2R_3R_5 + C_1C_3R_2R_4R_5 + C_1C_3R_3R_4R_5 + C_1C_4R_2R_4R_5 - C_1C_5R_2R_4R_5 + C_2C_3R_2R_4R_5} \\ \text{Qz: None} \ \ \\ \end{array} 
                  Wz: \frac{1}{\sqrt{C_1}\sqrt{C_5}\sqrt{R_1}\sqrt{R_5}}
10.176 X-INVALID-WZ-176 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                        H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_3C_6R_1R_2R_4R_5 - C_1C_5C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_5 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5\right)}
```

 $\begin{array}{l} Q\colon \frac{-\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}+\sqrt{C_1}C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}\\ &\quad \qquad C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5+C_5R_2R_4R_5\\ \text{wo: }\sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_3R_1R_2R_4+S_5-C_1C_5R_1R_2R_4R_5}}\\ \text{bandwidth: }\frac{\sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_3R_1R_2R_4R_5-C_1C_5R_1R_2R_4R_5}}(C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_2R_4R_5-C_3R_2R_4R_5+C_5R_2R_4R_5)\\ -\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}}+\sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3-C_5}+\frac{R_2R_5}{C_3-C_5}+\frac{R_4R_5}{C_3-C_5}}}\\ \text{K-LP: }-\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}\\ \text{K-HP: }\frac{C_3C_5R_6}{C_1C_3-C_1C_5}\\ \frac{-C_3C_5R_1R_2R_4R_5-C_3C_6R_1R_2R_4R_6}{C_1C_6R_1R_2R_5-C_3C_6R_1R_4R_5-C_3C_6R_2R_4R_5+C_5C_6R_2R_4R_5}}\\ \text{Qz: None}\\ \text{Wz: }\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}\\ \end{array}$

10.177 X-INVALID-WZ-177
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^2\left(C_1C_3C_6R_1R_2R_5 + C_1C_4C_6R_1R_2R_5 - C_1C_5C_6R_1R_2R_5\right) + s\left(-C_1C_6R_1R_2 + C_1C_6R_1R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_4C_6R_2R_5 - C_5C_6R_2R_5\right)}$$

$$\begin{array}{l} Q\colon \frac{-\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{3}+C_{4}-C_{5}}}{C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}}+\frac{R_{5}}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{3}+C_{4}-C_{5}}}\\ \text{wo: } \sqrt{\frac{-R_{2}+R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}+C_{1}C_{5}R_{1}R_{2}R_{5}}}{\sqrt{\frac{-R_{2}+R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{5}}}}}(C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5}})}\\ \text{bandwidth: } \frac{\sqrt{\frac{-R_{2}+R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{5}}}}{\sqrt{-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}}\sqrt{-\frac{R_{2}}{C_{3}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{3}+C_{4}-C_{5}}}}(C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5}})}\\ \text{bandwidth: } \frac{\sqrt{\frac{R_{2}-R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{5}}}}(C_{1}R_{1}R_{2}-C_{1}R_{1}R_{5}-C_{3}R_{1}R_{5}-C_{3}R_{2}R_{5}-C_{4}R_{2}R_{5}+C_{5}R_{2}R_{5})}}{-\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}}\sqrt{-\frac{R_{2}}{R_{2}+R_{5}}}}\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{5}}}\sqrt{-\frac{R_{2}}{R_{2}+R_{5}}}{C_{3}+C_{4}-C_{5}}}+\frac{R_{5}}{C_{3}+C_{4}-C_{5}}}}\\ \text{K-LP: } -\frac{C_{3}R_{1}R_{2}}{C_{6}R_{2}-C_{6}R_{5}}}{C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}}$$

$$\text{K-BP: } \frac{C_{3}C_{5}R_{1}}{C_{1}C_{6}R_{1}R_{2}-C_{1}C_{6}R_{1}R_{5}-C_{3}C_{6}R_{1}R_{2}R_{6}}}{C_{1}C_{6}R_{1}R_{5}-C_{3}C_{6}R_{1}R_{5}-C_{3}C_{6}R_{2}R_{5}-C_{4}C_{6}R_{2}R_{5}+C_{5}C_{6}R_{2}R_{5}}}\\ \text{Vz: } \frac{1}{\sqrt{C_{5}\sqrt{C_{6}}\sqrt{R_{5}}\sqrt{R_{6}}}}$$

10.178 X-INVALID-WZ-178 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_3C_6R_1R_2R_4R_5 + C_1C_6C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_4R_5 + C_3C_6R_1R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5 + C_3C_6R_2R_4R_5\right)}$$

Parameters:

```
 Q: \frac{-\sqrt{C_1}C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_3+C_4-C_5}} + \frac{R_4R_5}{C_3+C_4-C_5} + \frac{R_4R_5}{C_3+C_4-C_5}}{C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5+C_5R_2R_4R_5} \\ wo: \sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_3R_1R_2R_4R_5-C_4C_4R_1R_2R_4R_5-C_5R_1R_4R_5-C_3R_1R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_2R_4R_5-C_4R_4R_5-C_4R_2R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_4R_5-C_4R_
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10.179 X-INVALID-WZ-179 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_3C_6R_1R_2R_3R_4 - C_1C_5C_6R_1R_2R_3R_4\right) + s\left(C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 - C_5C_6R_2R_3R_4\right)}$

Parameters:

$$Q: \frac{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}}}{C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 - C_5R_2R_3R_4} \\ wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}\\ bandwidth: \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}}}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3-C_5}}}\\ K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4}}{C_1C_3C_3C_5R_6}\\ K-BP: \frac{C_3C_5R_6}{C_1C_3 - C_1C_5}\\ K-BP: \frac{C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6}{C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 - C_5C_6R_2R_3R_4}}\\ Qz: None \\ Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$$

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10.180 X-INVALID-WZ-180 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)
                                                                 H(s) = \frac{1}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s^2\left(C_1C_3R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4 + C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_
        Parameters:
                                                                                 \frac{\sqrt{\frac{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}C_{5}R_{1}R_{2}R_{3}R_{4}R_{5}}}(C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{5}-C_{1}R_{1}R_{2}R_{4}R_{5}-C_{1}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{2}R_{3}R_{4}R_{5}+C_{5}R_{2}R_{3}R_{4}R_{5}})}{-\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{3}-C_{5}}-\frac{R_{2}R_{3}R_{4}}{C_{3}-C_{5}}+\frac{R_{2}R_{4}R_{5}}{C_{3}-C_{5}}+\frac{R_{2}R_{4}R_{5}}{C_{3}-C_{5}}+\frac{R_{3}R_{4}R_{5}}{C_{3}-C_{5}}+\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{3}-C_{5}}-\frac{R_{2}R_{3}R_{4}}{C_{3}-C_{5}}+\frac{R_{2}R_{4}R_{5}}{C_{3}-C_{5}}+\frac{R_{3}R_{4}R_{5}}{C_{3}-C_{5}}}{R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}R_{3}R_{4}R_{5}-C_{3}R_{1}
                 \begin{array}{l} \text{K-BP:} \ \frac{-C_3R_1R_2R_3R_4R_6-C_5R_1R_2R_4R_5R_6}{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_1R_1R_3R_4R_5-C_3R_1R_3R_4R_5-C_3R_2R_3R_4R_5+C_5R_2R_3R_4R_5} \\ \text{Qz: None} \end{array} 
                Wz: \frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}
10.181 X-INVALID-WZ-181 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                 H(s) = \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_5C_6R_1R_2R_6\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_1C_3C_6R_1R_2R_3 + C_1C_4C_6R_1R_2R_3 - C_1C_5C_6R_1R_2R_3\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_3 + C_3C_6R_1R_3 + C_3C_6R_2R_3 + C_4C_6R_2R_3 - C_5C_6R_2R_3\right)}
      Parameters:
                \text{Q: } \frac{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}{C_{1}R_{1}R_{2}+C_{1}R_{1}R_{3}+C_{3}R_{1}R_{3}+C_{3}R_{2}R_{3}+C_{4}R_{2}R_{3}-C_{5}R_{2}R_{3}}
               \text{wo: } \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_1 C_3 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3}} \\ \text{bandwidth: } \frac{\sqrt{R_1 + R_2 + R_3} (C_1 R_1 R_2 + C_1 R_1 R_3 + C_3 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3) \sqrt{\frac{1}{C_1 C_3 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3}}}{\sqrt{C_1 C_3} \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}} + \sqrt{C_1} C_4 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}} - \sqrt{C_1} C_5 \sqrt{R_1} \sqrt{R_2} \sqrt{R_3} \sqrt{R_1 + R_2 + R_3}} \sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\
               K-LP: \frac{C_5R_1R_2}{C_6R_1+C_6R_2+C_6R_3}
K-HP: \frac{C_3C_5R_6}{C_1C_3+C_1C_4-C_1C_5}
            Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
10.182 X-INVALID-WZ-182 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)
                                                                                                                                      H(s) = \frac{C_3C_5R_1R_2R_3R_5R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_5R_1R_2R_5R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_1C_3R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 - C_1C_5R_1R_2R_3R_5\right) + s\left(-C_1R_1R_2R_3 + C_1R_1R_2R_5 + C_1R_1R_3R_5 + C_3R_1R_3R_5 + C_3R_2R_3R_5 + C_4R_2R_3R_5 - C_5R_2R_3R_5\right)}
        Parameters:
                Q: \frac{-\sqrt{C_{1}}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{3}+C_{4}-C_{5}}} - \frac{R_{2}R_{3}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{5}}{C_{3}+C_{4}-C_{5}} - \sqrt{C_{1}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{2}R_{5}}{C_{3}+C_{4}-C_{5}}} + \sqrt{C_{1}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{2}R_{3}}{C_{3}+C_{4}-C_{5}}} + \frac{R_{2}R_{3}}{C_{3}+C_{4}-C_{5}} + \frac{
                Wo: \sqrt{\frac{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5}{C_1C_3R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 - C_1C_5R_1R_2R_3R_5}}
```

$$\begin{aligned} & \text{Q:} & \frac{-\sqrt{c_1}c_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{c_3+c_4-c_5} - \frac{R_2R_3}{c_3+c_4-c_5} + \frac{R_3R_5}{c_3+c_4-c_5} - \sqrt{c_1}c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{c_3+c_4-c_5} - \frac{R_2R_3}{c_3+c_4-c_5} + \frac{R_3R_5}{c_3+c_4-c_5} + \frac{R_3R_5$$

```
10.183 X-INVALID-WZ-183 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                         H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6\right)}{C_6R_1R_4 + C_6R_2R_3 + C_6R_2R_4 + C_6R_3R_4 + s^2\left(C_1C_3C_6R_1R_2R_3R_4 + C_1C_5C_6R_1R_2R_3R_4\right) + s\left(C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_3C_6R_3R_3R_4 + C_
        Parameters:
                                          \frac{\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}+\sqrt{C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}-\sqrt{C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{3}+C_{4}-C_{5}}}}{C_{1}R_{1}R_{2}R_{3}+C_{1}R_{1}R_{2}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{3}R_{1}R_{3}R_{4}+C_{4}R_{2}R_{3}R_{4}-C_{5}R_{2}R_{3}R_{4}}
                    \text{wo: } \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4}} \\ \text{bandwidth: } \frac{\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4)}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} - \sqrt{C_1C_5\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} + \sqrt{C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{C_3 + C_4 - C_5}}}} \\ \text{bandwidth: } \frac{1}{\sqrt{C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R
                    \text{K-BP: } \frac{C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6}{C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_4C_6R_2R_3R_4 - C_5C_6R_2R_3R_4} \\ \text{Qz: None} \\ \underline{ }
                    Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
10.184 X-INVALID-WZ-184 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, R_2, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + s^2\left(C_1C_3R_1R_2R_3R_4R_5 + C_1C_5R_1R_2R_3R_4R_5\right) + s\left(-C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_4 + C_1R_1R_2R_3R_4R_5 + C_3R_1R_3R_4R_5 + C_3R_2R_3R_4R_5 + C_4R_2R_3R_4R_5 - C_5R_2R_3R_4\right)}
        Parameters:
                   Q: \frac{-\sqrt{C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{4}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{4}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{4}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{4}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{4}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} - \frac{R_{2}R_{3}R_{4}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{3}+C_{4}-C_{5}} + \frac{R_{2}R_{3}R_{5}}{C_{3}
                   Wo: \sqrt{\frac{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_1C_3R_1R_2R_3R_4R_5 + C_1C_4R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4R_5}}
                  \frac{\sqrt{\frac{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}}{C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}C_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{4}-C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{1}R_{1}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{1}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3}R_{4}R_{5}-C_{2}R_{2}R_{3
                K-LP: \frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}
K-HP: \frac{C_3C_5R_6}{C_1C_3 + C_1C_4 - C_1C_5}
                   \begin{array}{l} \text{K-BP:} \ \frac{-C_3R_1R_2R_3R_4-C_5R_1R_2R_4R_5R_6}{C_1R_1R_2R_3R_4-C_1R_1R_2R_3R_5-C_1R_1R_2R_4R_5-C_3R_1R_3R_4R_5-C_3R_2R_3R_4R_5-C_4R_2R_3R_4R_5+C_5R_2R_3R_4R_5} \\ \text{Qz: None} \end{array} 
                   Wz: \frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}
10.185 X-INVALID-WZ-185 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                          H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 - C_1C_5C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 - C_5C_6R_4R_5\right)}
          Parameters:
                    Q: \frac{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} -C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}
                   Wo: \sqrt{\frac{-R_4+R_5}{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5-C_1C_5R_1R_4R_5+C_2C_3R_1R_4R_5}}
                   \frac{-\frac{-R_4 + R_5}{\sqrt{C_1 C_2 R_1 R_4 R_5 + C_1 C_3 R_1 R_4 R_5 - C_1 C_5 R_1 R_4 R_5 - C_2 R_4 R_5 - C_3 R_4 R_5 + C_5 R_4 R_5)}{-C_1 C_2 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} - C_1 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_4}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}{C_1 C_3 - C_1 C_5 + C_2 C_3}}} - C_2 C_3 \sqrt{R_1} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{
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 $\begin{array}{lll} \text{K-HP:} & \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} \\ \text{K-BP:} & \frac{-C_3C_5R_1R_4R_5-C_3C_6R_1R_4R_6}{C_1C_6R_1R_4-C_1C_6R_1R_5-C_2C_6R_4R_5-C_3C_6R_4R_5+C_5C_6R_4R_5} \end{array}$

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.186 X-INVALID-WZ-186
$$Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$$

$$H(s) = \frac{C_3C_5C_6R_1R_5R_6s^2 + C_3R_1 + s\left(C_3C_5R_1R_5 + C_3C_6R_1R_6\right)}{-C_6 + s^2\left(C_1C_2C_6R_1R_5 + C_1C_3C_6R_1R_5 + C_1C_4C_6R_1R_5 - C_1C_5C_6R_1R_5 + C_2C_3C_6R_1R_5\right) + s\left(-C_1C_6R_1 + C_2C_6R_5 + C_3C_6R_5 + C_4C_6R_5 - C_5C_6R_5\right)}$$

 $-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{5}}\sqrt{-\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_$ Wo: $\sqrt{-\frac{1}{C_1C_2R_1R_5+C_1C_3R_1R_5+C_1C_4R_1R_5-C_1C_5R_1R_5+C_2C_3R_1R_5}}$

 $\text{bandwidth: } \frac{\sqrt{-\frac{1}{C_1C_2R_1R_5+C_1C_3R_1R_5+C_1C_5R_1R_5+C_2C_3R_1R_5}}(C_1R_1-C_2R_5-C_3R_5-C_4R_5+C_5R_5)}{-C_1C_2\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_1C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_4\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_5\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}+C_1C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_5}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{R_1}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{R_1}\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-C_2C_3\sqrt{-\frac{1}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}}-C_2C_3\sqrt{-\frac{1}{C_$

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}$ K-BP: $\frac{-C_3C_5R_1R_5-C_3C_6R_1R_6}{C_1C_6R_1-C_2C_6R_5-C_3C_6R_5-C_4C_6R_5+C_5C_6R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

10.187 X-INVALID-WZ-187 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, R_4 + \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_4C_5C_6R_1R_4R_6s^2 + C_3C_5R_1 + s\left(C_3C_4C_5R_1R_4 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_4C_6R_1R_4 + C_1C_3C_4C_6R_1R_4 + C_2C_3C_4C_6R_1R_4\right) + s\left(C_1C_2C_6R_1 + C_1C_4C_6R_1 - C_1C_5C_6R_1 + C_2C_3C_6R_1 + C_2C_4C_6R_4 + C_3C_4C_6R_4 - C_4C_5C_6R_4\right)}$$

Parameters:

 $O: \frac{C_1C_2\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{C_2}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + \frac{C_3}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} - \frac{C_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + C_1C_3\sqrt{C_4}\sqrt{R_1}\sqrt{R_4}\sqrt{\frac{C_2}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + \frac{C_3}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{C_4}{C_$

wo: $\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_1 C_2 C_4 R_1 R_4 + C_1 C_3 C_4 R_1 R_4 - C_1 C_4 C_5 R_1 R_4 + C_2 C_3 C_4 R_1 R_4}$

 $\sqrt{\frac{C_2 + C_3 + C_4 - C_5}{C_1 C_2 C_4 R_1 R_4 + C_1 C_3 C_4 R_1 R_4 - C_1 C_4 C_5 R_1 R_4 + C_2 C_3 C_4 R_1 R_4}} (C_1 C_2 R_1 + C_1 C_3 R_1 + C_1 C_4 R_1 - C_1 C_5 R_1 + C_2 C_3 R_1 + C_2 C_4 R_4 + C_1 C_5 R_1 + C_2 C_3 R_1 + C_2 C_4 R_4 + C_1 C_5 R_1 + C_2 C_3 R_1 + C_2 C_4 R_1 R_4 + C_1 C_5 R_1 + C_2 C_$ $\frac{\sqrt{\frac{C_1C_2C_4R_1R_4+C_1C_3$

K-LP: $\frac{C_3C_5R_1}{C_2C_6+C_3C_6+C_4C_6-C_5C_6}$ K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$

 $\begin{array}{l} \text{K-BP:} \ \frac{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}{C_{1}C_{2}C_{6}R_{1}+C_{1}C_{3}C_{6}R_{1}+C_{1}C_{5}C_{6}R_{1}+C_{2}C_{3}C_{6}R_{1}+C_{2}C_{3}C_{6}R_{1}+C_{2}C_{4}C_{6}R_{4}+C_{3}C_{4}C_{6}R_{4}-C_{4}C_{5}C_{6}R_{4}} \\ \text{Qz:} \ \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_4}\sqrt{C_6}\sqrt{R_4}\sqrt{R_6}}$

10.188 X-INVALID-WZ-188 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_4R_5R_6s^2 + C_3R_1R_4 + s\left(C_3C_5R_1R_4R_5 + C_3C_6R_1R_4R_6\right)}{-C_6R_4 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_4R_5 + C_1C_3C_6R_1R_4R_5 + C_1C_5C_6R_1R_4R_5 + C_2C_3C_6R_1R_4R_5\right) + s\left(-C_1C_6R_1R_4 + C_1C_6R_1R_5 + C_2C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5 + C_3C_6R_4R_5\right)}$$

Parameters:

 $Q: \frac{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} - C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + \frac{R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}R_{4}}$ Wo: $\sqrt{\frac{-R_4+R_5}{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_4R_1R_4R_5-C_1C_5R_1R_4R_5+C_2C_3R_1R_4R_5}}$

 $\sqrt{\frac{-R_4+R_5}{C_1C_2R_1R_4R_5+C_1C_3R_1R_4R_5+C_1C_4R_1R_4R_5-C_1C_5R_1R_4R_5+C_2C_3R_1R_4R_5}}(C_1R_1R_4-C_1R_1R_5-C_2R_4R_5-C_3R_4R_5-C_4R_4R_5+C_5R_4R_5)$ $\frac{\sqrt{C_1C_2R_1R_4R_5+C_1C_3}R_4}{-C_1C_2\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_4\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_4\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_4\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_2}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_2}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_2}\sqrt{-\frac{R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + C_1C_5\sqrt{R_1}\sqrt{R_1$

 $\begin{array}{c} & C_{1}C_{2}V_{R_{1}}V_{R_{4}}V_{R_{5}}V_{}^{-}\overline{c_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}^{+}+\overline{c_{1}C_{2}+C_{1}C_{1}}C_{5}\\ K_{-}LP: & -\frac{C_{3}R_{1}R_{4}}{C_{6}R_{4}-C_{6}R_{5}}\\ K_{-}HP: & \frac{C_{3}C_{5}R_{6}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}^{-}\\ K_{-}BP: & \frac{C_{3}C_{5}R_{1}}{C_{1}C_{6}R_{1}R_{4}-C_{1}C_{6}R_{1}R_{5}-C_{2}C_{6}R_{4}R_{5}-C_{3}C_{6}R_{1}R_{4}R_{6}}^{-}\\ Qz: & None \\ & W & \stackrel{1}{\longrightarrow} \end{array}$

Wz: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$

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10.189 X-INVALID-WZ-189 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
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$$H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_2C_3C_6R_1R_3R_4\right) + s\left(C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_3C_6R_3R_4\right)}$$

 $\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{3}+R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R$

wo: $\sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 - C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4}}$

 $\text{bandwidth: } \frac{\sqrt{R_3 + R_4}(C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 - C_5 R_3 R_4) \sqrt{\frac{1}{C_1 C_2 R_1 R_3 R_4 + C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4}}{C_1 C_2 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_1 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} - C_1 C_5 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4}} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4}} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4}} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4}} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4}} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4}} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_3 + R_4}} \sqrt{\frac{1}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3}} + C_2 C_3 \sqrt{R_1} \sqrt{R_1} \sqrt{R_2} \sqrt{R_1} \sqrt{R_2} \sqrt{R_1} \sqrt{R_2} \sqrt{R_1} \sqrt{R_2} \sqrt$

K-HP: $\frac{C_3R_5 + C_3R_6}{C_1C_2 + C_1C_3 - C_1C_5 + C_2C_3}$ K-BP: $\frac{C_3C_5R_1}{C_1C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 - C_5C_6R_3R_4}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.190 X-INVALID-WZ-190 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6\right)$

$$H(s) = \frac{C_3C_5R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)}{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_1C_2R_1R_3R_4R_5 + C_1C_3R_1R_3R_4R_5 + C_2C_3R_1R_3R_4R_5\right) + s\left(-C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 - C_5R_3R_4R_5\right)}$$

Parameters:

 $Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_4}{C_1C_2$

Wo: $\sqrt{\frac{-R_3R_4+R_3R_5+R_4R_5}{C_1C_2R_1R_3R_4R_5+C_1C_3R_1R_3R_4R_5-C_1C_5R_1R_3R_4R_5+C_2C_3R_1R_3R_4R_5}}$

 $\frac{-R_3R_4+R_3R_5+R_4R_5}{\sqrt{C_1C_2R_1R_3R_4R_5+C_1C_3R_1R_3R_4R_5-C_1R_1R_4R_5-C_2R_1R_4R_5-C_2R_3R_4R_5-C_2R_3R_4R_5-C_3R_3R_4R_5+C_5R_3R_4R_5)}} -C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_$

K-LP: $-\frac{R_1R_4R_6}{R_3R_4-R_3R_5-R_4R_5}$

K-HP: $\frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}$ K-BP: $\frac{-C_3R_1R_3R_4R_6-C_5R_1R_4R_5R_6}{C_1R_1R_3R_4-C_1R_1R_3R_5-C_1R_1R_4R_5-C_2R_1R_4R_5-C_2R_3R_4R_5-C_3R_3R_4R_5+C_5R_3R_4R_5}$ Qz: None

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.191 X-INVALID-WZ-191 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_3C_5C_6R_1R_3R_6s^2 + C_5R_1 + s\left(C_3C_5R_1R_3 + C_5C_6R_1R_6\right)}{C_6 + s^2\left(C_1C_2C_6R_1R_3 + C_1C_3C_6R_1R_3 + C_1C_5C_6R_1R_3 + C_2C_3C_6R_1R_3\right) + s\left(C_1C_6R_1 + C_2C_6R_1 + C_2C_6R_3 + C_3C_6R_3 + C_4C_6R_3 - C_5C_6R_3\right)}$$

Parameters:

 $Q: \underbrace{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}+C_{2}R_{1}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R$

Wo: $\sqrt{\frac{1}{C_1C_2R_1R_3+C_1C_3R_1R_3+C_1C_4R_1R_3-C_1C_5R_1R_3+C_2C_3R_1R_3}}$

 $\text{bandwidth: } \frac{(C_1R_1 + C_2R_3 + C_3R_3 + C_4R_3 - C_5R_3)\sqrt{\frac{1}{C_1C_2R_1R_3 + C_1C_3R_1R_3 + C_1C_5R_1R_3 + C_2C_3R_1R_3}}{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{\frac{1}{C_1C_2 + C_1C_3 + C$

K-LP: $\frac{C_5 R_1}{C_6}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

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10.192 X-INVALID-WZ-192 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)
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$$H(s) = \frac{C_3C_5R_1R_3R_5R_6s^2 + R_1R_6 + s\left(C_3R_1R_3R_6 + C_5R_1R_5R_6\right)}{-R_3 + R_5 + s^2\left(C_1C_2R_1R_3R_5 + C_1C_3R_1R_3R_5 + C_1C_4R_1R_3R_5 - C_1C_5R_1R_3R_5 + C_2C_3R_1R_3R_5\right) + s\left(-C_1R_1R_3 + C_1R_1R_5 + C_2R_1R_5 + C_2R_3R_5 + C_3R_3R_5 + C_4R_3R_5 - C_5R_3R_5\right)}$$

 $-\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}}-C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{4}\sqrt{R_{1}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{-\frac{R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C$

 $\sqrt{\frac{-R_3+R_5}{C_1C_2R_1R_3R_5+C_1C_3R_1R_3R_5+C_1C_4R_1R_3R_5-C_1C_5R_1R_3R_5+C_2C_3R_1R_3R_5}}(C_1R_1R_3-C_1R_1R_5-C_2R_1R_5-C_2R_3R_5-C_3R_3R_5-C_4R_3R_5+C_5R_3R_5)$ $\frac{\sqrt{-C_1C_2N_1N_3N_5+C_1C_3N_1N_3N_1N_5+C_1C_3N_1N_3N_1N_5+C_1C_3N_1N_3N_1N_5+C_1C_3N_1N_3N_1N_5+C_1C_3N_1N_3N_1N_5+C_1C_3N_$

 $\begin{array}{l} \text{K-HP:} \ \, \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \\ \text{K-BP:} \ \, \frac{-C_3R_1R_3R_6-C_5R_1R_5R_6}{C_1R_1R_3-C_1R_1R_5-C_2R_1R_5-C_2R_3R_5-C_3R_3R_5-C_4R_3R_5+C_5R_3R_5} \end{array}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

10.193 X-INVALID-WZ-193 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_3R_4R_6s^2 + C_5R_1R_4 + s\left(C_3C_5R_1R_3R_4 + C_5C_6R_1R_4R_6\right)}{C_6R_3 + C_6R_4 + s^2\left(C_1C_2C_6R_1R_3R_4 + C_1C_3C_6R_1R_3R_4 + C_1C_5C_6R_1R_3R_4 + C_2C_3C_6R_1R_3R_4 + C_2C_6R_1R_3 + C_1C_6R_1R_4 + C_2C_6R_1R_4 + C_2C_6R_3R_4 + C_3C_6R_3R_4 + C_3C$

Parameters:

 $Q: \frac{{{C_1}{C_2}\sqrt {{R_1}}\sqrt {{R_3}}\sqrt {{R_4}}\sqrt {{R_3} + {R_4}}\sqrt {\frac{1}{{{C_1}{C_2} + {C_1}{C_3} + {C_1}{C_4} - {C_1}{C_5} + {C_2}{C_3}}}} + {{C_1}{C_3}\sqrt {{R_1}}\sqrt {{R_3}}\sqrt {{R_4}}\sqrt {{R_3} + {R_4}}\sqrt {\frac{1}{{{C_1}{C_2} + {C_1}{C_3} + {C_1}{C_4} - {C_1}{C_5} + {C_2}{C_3}}}} + {{C_2}\sqrt {{R_1}}\sqrt {{R_3}}\sqrt {{R_4}}\sqrt {{R_3} + {R_4}}\sqrt {\frac{1}{{{C_1}{C_2} + {C_1}{C_3} + {C_1}{C_4} - {C_1}{C_5} + {C_2}{C_3}}}} - {{C_1}{C_3}\sqrt {{R_1}}\sqrt {{R_3}}\sqrt {{R_4}}\sqrt {{R_3} + {R_4}}\sqrt {\frac{1}{{{C_1}{C_2} + {C_1}{C_3} + {C_1}{C_4} - {C_1}{C_5} + {C_2}{C_3}}}} + {{C_2}\sqrt {{R_1}}\sqrt {{R_3}}\sqrt {{R_4}}\sqrt {{R_3} + {R_4}}\sqrt {\frac{1}{{{C_1}{C_2} + {C_1}{C_3} + {C_1}{C_4} - {C_1}{C_5} + {C_2}{C_3}}}} - {{C_1}\sqrt {{C_1$

 $\sqrt{R_3 + R_4} (C_1 R_1 R_3 + C_1 R_1 R_4 + C_2 R_1 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4) \\ \sqrt{\frac{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_1 C_5 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4 + C_2 C_3 R_1 R_3 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 + C_3 R_3 R_4 + C_4 R_3 R_4 + C_5 R_3 R_4) \\ \sqrt{\frac{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4)} \\ \sqrt{\frac{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_2 R_3 R_4 + C_3 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4)} \\ \sqrt{\frac{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_4 R_3 R_4 + C_4 R_3 R_4 - C_5 R_3 R_4)} \\ \sqrt{\frac{C_1 C_2 R_1 R_3 R_4 + C_1 C_3 R_1 R_3 R_4 + C_4 R_4 R_4 + C_4 R_4$

 $\frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_3+R_4}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_$

 $\begin{array}{l} \text{K-HP:} \ \frac{C_{6}R_{3}+C_{6}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} \\ \text{K-BP:} \ \frac{C_{3}C_{5}R_{6}}{C_{1}C_{6}R_{1}R_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} \\ \text{Qz:} \ \text{None} \end{array}$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}$

10.194 X-INVALID-WZ-194 $Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{1}{C_2s}, \frac{R_3}{C_3R_3s+1}, \frac{R_4}{C_4R_4s+1}, \frac{R_5}{C_5R_5s+1}, R_6\right)$

 $C_3C_5R_1R_3R_4R_5R_6s^2 + R_1R_4R_6 + s\left(C_3R_1R_3R_4R_6 + C_5R_1R_4R_5R_6\right)$

 $\overline{-R_3R_4 + R_3R_5 + R_4R_5 + s^2\left(C_1C_2R_1R_3R_4R_5 + C_1C_3R_1R_3R_4R_5 + C_1C_4R_1R_3R_4R_5 + C_2C_3R_1R_3R_4R_5 + C_1R_1R_3R_4 + C_1R_1R_3R_5 + C_1R_1R_4R_5 + C_2R_1R_4R_5 + C_2R_3R_4R_5 + C_3R_3R_4R_5 + C_4R_3R_4R_5 + C_4R_$

Parameters:

 $O: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_3R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}{+\frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C$

Wo: $\sqrt{\frac{-R_3R_4+R_3R_5+R_4R_5}{C_1C_2R_1R_3R_4R_5+C_1C_3R_1R_3R_4R_5+C_1C_4R_1R_3R_4R_5-C_1C_5R_1R_3R_4R_5+C_2C_3R_1R_3R_4R_5}$

 $\frac{R_3 R_4}{-C_1 C_2 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} - C_1 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} - C_1 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_4 R_5}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} - C_1 C_3 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} - C_1 C_4 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} - C_1 C_4 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} - C_1 C_4 \sqrt{R_1} \sqrt{R_3} \sqrt{R_4} \sqrt{R_5} \sqrt{-\frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_4 - C_1 C_5 + C_2 C_3} + \frac{R_3 R_4}{C_1 C_2 + C_1 C_3 + C_1 C_$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

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10.195 X-INVALID-WZ-195 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                   H(s) = \frac{C_2C_3C_5C_6R_1R_2R_6s^2 + C_3C_5R_1 + s\left(C_2C_3C_5R_1R_2 + C_3C_5C_6R_1R_6\right)}{C_2C_6 + C_3C_6 + C_4C_6 - C_5C_6 + s^2\left(C_1C_2C_3C_6R_1R_2 + C_1C_2C_4C_6R_1R_2\right) + s\left(C_1C_2C_6R_1 + C_1C_3C_6R_1 + C_1C_3C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_1 + C_2C_3C_6R_2 + C_2C_4C_6R_2 - C_2C_5C_6R_2\right)}
            Parameters:
                        Q: \frac{\sqrt{C_{1}}\sqrt{C_{2}}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{C_{2}}{C_{3}+C_{4}-C_{5}}} + \frac{C_{3}}{C_{3}+C_{4}-C_{5}} + \frac{C_{4}}{C_{3}+C_{4}-C_{5}}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{1}\sqrt{C_{2}}C_{4}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{C_{2}}{C_{3}+C_{4}-C_{5}}} + \frac{C_{4}}{C_{3}+C_{4}-C_{5}}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}} - \sqrt{C_{1}}\sqrt{C_{2}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{C_{2}}{C_{3}+C_{4}-C_{5}}} + \frac{C_{3}}{C_{3}+C_{4}-C_{5}}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{1}\sqrt{C_{2}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{C_{2}}{C_{3}+C_{4}-C_{5}}}} - \frac{C_{3}}{C_{3}+C_{4}-C_{5}}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{1}\sqrt{C_{2}}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{\frac{C_{2}}{C_{3}+C_{4}-C_{5}}}} - \frac{C_{3}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5}}{C_{3}+C_{4}-C_{5}} - \frac{C_{5
                        \text{bandwidth: } \frac{\frac{C_2 + C_3 + C_4 - C_5}{\sqrt{C_1 C_2 C_3 R_1 R_2 + C_1 C_2 C_4 R_1 R_2 - C_1 C_2 C_5 R_1 R_2}}}{\sqrt{C_1 C_2 C_3 R_1 R_2 + C_1 C_2 C_4 R_1 R_2 - C_1 C_2 C_5 R_1 R_2}} (C_1 C_2 R_1 + C_1 C_3 R_1 + C_1 C_4 R_1 - C_1 C_5 R_1 + C_2 C_3 R_2 + C_2 C_4 R_2 - C_2 C_5 R_2}) \\ \frac{C_2}{\sqrt{C_1 C_2 C_3 \sqrt{R_1} \sqrt{R_2} \sqrt{\frac{C_2}{C_3 + C_4 - C_5} + \frac{C_3}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_3}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_3}{C_3 + C_4 - C_5} + \frac{C_4}{C_3 + C_4 - C_5} + \frac{C_5}{C_3 
                        \begin{array}{l} \text{K-BP: } \frac{C_1C_3C_5R_1R_2+C_3C_5C_6R_1R_6}{C_1C_2C_6R_1+C_1C_3C_6R_1+C_1C_4C_6R_1-C_1C_5C_6R_1+C_2C_3C_6R_1+C_2C_3C_6R_2+C_2C_4C_6R_2-C_2C_5C_6R_2} \\ \text{Qz: None} \end{array} 
                        Wz: \frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}
10.196 X-INVALID-WZ-196 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, R_4, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)
                 H(s) = \frac{C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s\left(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6\right)}{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5\right) + s\left(-C_1C_6R_1R_2R_4 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_4R_5 + C_1C_6
            Parameters:
                        Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{R_
                       wo: \sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5-C_1C_5R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \sqrt{\frac{-R_2R_4+R_2R_5+R_4R_5}{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_2C_3R_1R_2R_4R_5}}(C_1R_1R_2R_4-C_1R_1R_2R_5-C_1R_1R_4R_5-C_2R_2R_4R_5-C_3R_1R_4R_5-C_3R_2R_4R_5+C_5R_2R_4R_5)
                       \frac{\sqrt{C_1C_2R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5+C_1C_3R_1R_2R_4R_5}{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}} + \frac{R_2R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3} + \frac{R_2R_5}{C_1C_2+C_1C_3-C_
                       \begin{aligned} \text{K-LP:} & - \frac{C_3 R_1 R_2 R_4}{C_6 R_2 R_4 - C_6 R_2 R_5 - C_6 R_4 R_5} \\ \text{K-HP:} & \frac{C_3 C_5 R_6}{C_1 C_2 + C_1 C_3 - C_1 C_5 + C_2 C_3} \end{aligned} 
                        \text{K-BP: } \frac{-C_3C_5R_1R_2R_4R_5 - C_3C_6R_1R_2R_4R_6}{C_1C_6R_1R_2R_4 - C_1C_6R_1R_2R_5 - C_1C_6R_1R_4R_5 - C_2C_6R_2R_4R_5 - C_3C_6R_1R_4R_5 - C_3C_6R_2R_4R_5 - C_3C_6R_2
                       Wz: \frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}
```

10.197 X-INVALID-WZ-197 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{1}{C_4 s}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

 $H(s) = \frac{C_3C_5C_6R_1R_2R_5R_6s^2 + C_3R_1R_2 + s\left(C_3C_5R_1R_2R_5 + C_3C_6R_1R_2R_6\right)}{-C_6R_2 + C_6R_5 + s^2\left(C_1C_2C_6R_1R_2R_5 + C_1C_3C_6R_1R_2R_5 + C_1C_5C_6R_1R_2R_5 + C_2C_3C_6R_1R_2R_5\right) + s\left(-C_1C_6R_1R_2 + C_1C_6R_1R_5 + C_2C_6R_2R_5 + C_3C_6R_1R_5 + C_3C_6R_2R_5 + C_3C_6R_2R_5\right)}$

Parameters:

 $Q: \frac{-c_1c_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + \frac{R_5}{c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_5}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{-c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} - c_1c_4\sqrt{R_1}\sqrt{R_2}$

```
C_3C_5C_6R_1R_2R_4R_5R_6s^2 + C_3R_1R_2R_4 + s(C_3C_5R_1R_2R_4R_5 + C_3C_6R_1R_2R_4R_6)
                                                                   \overline{-C_6R_2R_4 + C_6R_2R_5 + C_6R_4R_5 + s^2\left(C_1C_2C_6R_1R_2R_4R_5 + C_1C_3C_6R_1R_2R_4R_5 + C_1C_4C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + C_2C_3C_6R_1R_2R_4R_5 + C_1C_6R_1R_2R_4 + C_1C_6R_
           Parameters:
                                                     -C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+\frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}-C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{-\frac{R_{2}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}
                                                                                                                                  -\frac{R_2R_4}{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + \frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_4}\sqrt{R_5}\sqrt{-\frac{R_2R_4}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3} + \frac{R_4R_5}{C_1C_2+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3+C_1C_3
                          K-LP: -\frac{C_3R_1R_2R_4}{C_6R_2R_4-C_6R_2R_5-C_6R_4R_5}
                          K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}
                           \begin{array}{c} -C_3C_5R_1R_2R_4R_5 - C_3C_6R_1R_2R_4R_6 \\ \hline C_1C_6R_1R_2R_4 - C_1C_6R_1R_2R_5 - C_1C_6R_1R_4R_5 - C_2C_6R_2R_4R_5 - C_3C_6R_1R_4R_5 - C_3C_6R_2R_4R_5 - C_3C_6R_2R_4R_5 - C_4C_6R_2R_4R_5 - C_4C_6R_2R_4R
                            Wz: \frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}
10.199 X-INVALID-WZ-199 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{1}{C_5s}, R_6 + \frac{1}{C_6s}\right)
H(s) = \frac{C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s\left(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_3R_4 + C_5C_6R_1R_2R
           Parameters:
                                                 : \frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{
                          wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} (C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 - C_5R_2R_3R_4) \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4 + C_3R_2R_3R_4 + C_3R_3R_3R_4 + C_3R_3R_3R_
                          \frac{1}{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}+C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}
                          K-LP: \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4}
                         K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}
                        \begin{array}{l} \text{K-BP:} \ \frac{C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6}{C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_2C_6R_1R_2R_4 + C_2C_6R_2R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_3C_6R_3R_3R_4 + C_3C
                          Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
10.200 X-INVALID-WZ-200 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, R_4, \frac{R_5}{C_5R_5s+1}, R_6\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)
                                                                   \overline{R_{1}R_{4}R_{5}-R_{2}R_{3}R_{4}+R_{2}R_{3}R_{5}+R_{2}R_{4}R_{5}+R_{3}R_{4}R_{5}+s^{2}\left(C_{1}C_{2}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{1}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}+C_{2}C_{3}R_{1}R_{2}R_{3}R_{4}R_{5}\right)+s\left(-C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{4}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R_{5}+C_{1}R_{1}R_{2}R_{3}R
           Parameters:
                            O: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}-\frac{R_2R_3R_4}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_3R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}-\frac{R_2R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}}+\frac{R_2R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}-\frac{R_2R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}}+\frac{R_2R_3R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_5+C_2C_3}+\frac{R_2R_4R_5}{C_1C_2+C_1C_3-C_1C_
                          Wo: \sqrt{\frac{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}{C_1C_2R_1R_2R_3R_4R_5 + C_1C_3R_1R_2R_3R_4R_5 - C_1C_5R_1R_2R_3R_4R_5 + C_2C_3R_1R_2R_3R_4R_5}}
                                                                                                                              -C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}}-\frac{R_{2}R_{3}R_{4}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}-C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}
                          K-LP: \frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}
                           \underbrace{ \begin{array}{c} -C_3R_1R_2R_3R_4R_6 - C_5R_1R_2R_4R_5R_6 \\ \hline C_1R_1R_2R_3R_4 - C_1R_1R_2R_3R_5 - C_1R_1R_2R_4R_5 - C_1R_1R_3R_4R_5 - C_2R_1R_2R_4R_5 - C_2R_2R_3R_4R_5 - C_3R_1R_3R_4R_5 - C_3R_2R_3R_4R_5 \\ \hline \end{array} }_{ \begin{array}{c} -C_3R_1R_2R_3R_4R_6 - C_5R_1R_2R_4R_5R_6 \\ \hline \end{array} } 
                              Qz: None
                          Wz: \frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}
```

10.198 X-INVALID-WZ-198 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{1}{C_3 s}, \frac{R_4}{C_4 R_4 s + 1}, \frac{R_5}{C_5 R_5 s + 1}, R_6 + \frac{1}{C_6 s}\right)$

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10.201 X-INVALID-WZ-201 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{1}{C_4 s}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                       H(s) = \frac{C_3C_5C_6R_1R_2R_3R_6s^2 + C_5R_1R_2 + s\left(C_3C_5R_1R_2R_3 + C_5C_6R_1R_2R_6\right)}{C_6R_1 + C_6R_2 + C_6R_3 + s^2\left(C_1C_2C_6R_1R_2R_3 + C_1C_3C_6R_1R_2R_3 + C_1C_5C_6R_1R_2R_3 + C_2C_3C_6R_1R_2R_3\right) + s\left(C_1C_6R_1R_2 + C_1C_6R_1R_2 + C_2C_6R_1R_2 + C_2C_
          Parameters:
                                               + \underbrace{\frac{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}{C_{1}R_{1}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{1}+R_{2}+R_{3}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} + C_{2}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2}}\sqrt{R_{2
                        wo: \sqrt{R_1 + R_2 + R_3} \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_3 + C_1 C_3 R_1 R_2 R_3 + C_1 C_4 R_1 R_2 R_3 - C_1 C_5 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \sqrt{R_1 + R_2 + R_3} (C_1 R_1 R_2 + C_1 R_1 R_3 + C_2 R_1 R_2 + C_2 R_2 R_3 + C_3 R_1 R_3 + C_3 R_2 R_3 + C_4 R_2 R_3 - C_5 R_2 R_3) \sqrt{\frac{1}{C_1 C_2 R_1 R_2 R_3 + C_1 C_3 R_1 R_2 R_3 + C_1 C_5 R_1 R_2 R_3 + C_2 C_3 R_1 R_2 R_3}}
                        \frac{\sqrt{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}}{C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_1C_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_1+R_2+R_3}\sqrt{\frac{1}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} + C_2C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_1}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt{R_2}\sqrt
                       K-HP: \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} K-BP: \frac{C_3C_5R_1R_2+C_1C_4-C_1C_5+C_2C_3}{C_1C_6R_1R_2+C_1C_6R_1R_3+C_2C_6R_1R_2+C_2C_6R_2R_3+C_3C_6R_1R_3+C_3C_6R_2R_3+C_4C_6R_2R_3-C_5C_6R_2R_3} Qz: None
                          Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
10.202 X-INVALID-WZ-202 Z(s) = \left(\frac{R_1}{C_1R_1s+1}, \frac{R_2}{C_2R_2s+1}, \frac{R_3}{C_3R_3s+1}, \frac{1}{C_4s}, \frac{R_5}{C_5R_5s+1}, R_6\right)
H(s) = \frac{C_3C_5R_1R_2R_3R_5R_6s^2 + R_1R_2R_6 + s\left(C_3R_1R_2R_3R_6 + C_5R_1R_2R_5R_6\right)}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5 + s^2\left(C_1C_2R_1R_2R_3R_5 + C_1C_3R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 + C_2C_3R_1R_2R_3R_5\right) + s\left(-C_1R_1R_2R_3 + C_1R_1R_2R_5 + C_1R_1R_3R_5 + C_2R_1R_2R_5 + C_3R_1R_3R_5 + C_3R_1R_3R
          Parameters:
                        O: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-\frac{R_2R_3}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_3R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-\frac{R_2R_3}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-\frac{R_2R_3}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_5}\sqrt{\frac{R_1R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}}-\frac{R_2R_3}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_3}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}-\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_5+C_2C_3}+\frac{R_2R_5}{C_1C_2+C_1C_3+C_1C_3+C_
                        Wo: \sqrt{\frac{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5}{C_1C_2R_1R_2R_3R_5 + C_1C_3R_1R_2R_3R_5 + C_1C_4R_1R_2R_3R_5 - C_1C_5R_1R_2R_3R_5 + C_2C_3R_1R_2R_3R_5}}
                                                                                                                      -C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - \frac{R_{2}R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} - C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}} - \frac{R_{2}R_{3}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} - C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}} + \frac{R_{2}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}} + \frac{R
                       K-LP: \frac{R_1R_2R_6}{R_1R_5 - R_2R_3 + R_2R_5 + R_3R_5}
K-HP: \frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}
                       \begin{array}{l} \text{K-BP:} \ \frac{-C_3R_1R_2R_3R_6 - C_5R_1R_2R_5R_6}{C_1R_1R_2R_3 - C_1R_1R_2R_5 - C_1R_1R_3R_5 - C_2R_1R_2R_5 - C_3R_1R_3R_5 - C_3R_1R_3R_5 - C_3R_1R_3R_5 - C_3R_2R_3R_5 - C_4R_2R_3R_5 + C_5R_2R_3R_5} \\ \text{Qz: None} \ \ . \end{array} 
                        Wz: \frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}
10.203 X-INVALID-WZ-203 Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{R_2}{C_2 R_2 s + 1}, \frac{R_3}{C_3 R_3 s + 1}, \frac{R_4}{C_4 R_4 s + 1}, \frac{1}{C_5 s}, R_6 + \frac{1}{C_6 s}\right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C_3C_5C_6R_1R_2R_3R_4R_6s^2 + C_5R_1R_2R_4 + s(C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6)
H(s) = \frac{1}{C_{6}R_{1}R_{4} + C_{6}R_{2}R_{3} + C_{6}R_{2}R_{4} + C_{6}R_{3}R_{4} + S^{2}\left(C_{1}C_{2}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{3}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{5}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{6}R_{1}R_{2}R_{3}R_{4} + C_{1}C_{6}R_{1}R_{2}R_{3
          Parameters:
                          Q: \frac{c_1c_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}{c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3} + c_1c_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3}} + c_1c_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1R_4} + R_2R_3 + R_2R_4 + R_3R_4}\sqrt{\frac{1}{c_1c_2+c_1c_3+c_1c_4-c_1c_5+c_2c_3}} + c_1c_4\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_1}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R_4}\sqrt{R
                        wo: \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4} \sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1C_5R_1R_2R_3R_4 + C_2C_3R_1R_2R_3R_4}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \sqrt{R_1R_4 + R_2R_3 + R_2R_4 + R_3R_4}(C_1R_1R_2R_3 + C_1R_1R_2R_4 + C_1R_1R_3R_4 + C_2R_1R_2R_4 + C_2R_2R_3R_4 + C_3R_1R_3R_4 + C_3R_2R_3R_4 + C_4R_2R_3R_4 - C_5R_2R_3R_4)\sqrt{\frac{1}{C_1C_2R_1R_2R_3R_4 + C_1C_3R_1R_2R_3R_4 + C_1C_4R_1R_2R_3R_4 - C_1R_2R_3R_4 + C_1R_3R_4 + C_1R
                        \frac{\text{bandwidth:}}{C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}+C_{1}C_{3}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{1}R_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+R_{2}R_{3}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}}-C_{1}C_{5}\sqrt{R_{1}}\sqrt{R_{1}C_{4}+R_{2}R_{4}+R_{3}R_{4}}\sqrt{\frac{1}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C
                        \begin{array}{l} \text{K-LP: } \frac{C_5R_1R_2R_4}{C_6R_1R_4+C_6R_2R_3+C_6R_2R_4+C_6R_3R_4} \\ \text{K-HP: } \frac{C_3C_5R_6}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} \end{array} 
                         \begin{array}{c} C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3 \\ \hline \text{K-BP:} & \frac{C_3C_5R_1R_2R_3R_4 + C_5C_6R_1R_2R_4R_6}{C_1C_6R_1R_2R_3 + C_1C_6R_1R_2R_4 + C_1C_6R_1R_3R_4 + C_2C_6R_2R_3R_4 + C_3C_6R_1R_3R_4 + C_3C_6R_2R_3R_4 + C_3C_6R_3R_3R_4 + C_3C_6R_3R_
                            Qz: None
                        Wz: \frac{1}{\sqrt{C_3}\sqrt{C_6}\sqrt{R_3}\sqrt{R_6}}
```

10.204 X-INVALID-WZ-204 $Z(s) = \left(\frac{R_1}{C_1 R_1 s+1}, \frac{R_2}{C_2 R_2 s+1}, \frac{R_3}{C_3 R_3 s+1}, \frac{R_4}{C_4 R_4 s+1}, \frac{R_5}{C_5 R_5 s+1}, R_6\right)$

 $C_3C_5R_1R_2R_3R_4R_5R_6s^2 + R_1R_2R_4R_6 + s\left(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6\right)$

 $H(s) = \frac{C_3C_5R_1R_2R_3R_4R_5R_6s + R_1R_2R_4R_6 + s(C_3R_1R_2R_3R_4R_6 + C_5R_1R_2R_4R_5R_6s)}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5 + C_1C_3R_1R_2R_3R_4R_5 + C_1C_4R_1R_2R_3R_4R_5 + C_1C_5R_1R_2R_3R_4R_5 + C_1C_4R_1R_2R_3R_4R_5 + C_1C_4R_1R_2R_3$

Parameters:

 $Q: \frac{-C_1C_2\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - \frac{R_2R_3R_4}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_2R_3R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_2R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} + \frac{R_2R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_2+C_1C_3+C_1C_4-C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{R_4}\sqrt{R_5}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_2}\sqrt{R_3}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_1}\sqrt{R_2}\sqrt{R_1}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}}} - C_1C_3\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_2C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_1C_5+C_1C_3}} - C_1C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_1C_5+C_1C_5}} - C_1C_3\sqrt{R_1}\sqrt{R_1}\sqrt{\frac{R_1R_4R_5}{C_1C_4+C_1C_5+C_1C_5}} - C_1C_3\sqrt{R_1}\sqrt{\frac$ $\frac{-C_{1}C_{2}\sqrt{R_{1}}\sqrt{R_{2}}\sqrt{R_{3}}\sqrt{R_{4}}\sqrt{R_{5}}\sqrt{\frac{R_{1}R_{4}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}}-\frac{R_{2}R_{3}R_{4}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{4}-C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{5}+C_{2}C_{3}}+\frac{R_{2}R_{3}R_{5}}{C_{1}C_{2}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}+C_{1}C_{3}$

K-LP: $\frac{R_1R_2R_4R_6}{R_1R_4R_5 - R_2R_3R_4 + R_2R_3R_5 + R_2R_4R_5 + R_3R_4R_5}$ K-HP: $\frac{C_3C_5R_6}{C_1C_2 + C_1C_3 + C_1C_4 - C_1C_5 + C_2C_3}$

 $\begin{array}{c} -C_3R_1R_2R_3R_4R_6 - C_5R_1R_2R_4R_5R_6 \\ \text{K-BP:} \ \, \frac{-C_3R_1R_2R_3R_4 - C_5R_1R_2R_4R_5 - C_3R_1R_2R_4R_5 - C_3R_1R_3R_4R_5 - C_3R_1R_3R_4R_5 - C_3R_1R_3R_4R_5 - C_3R_1R_3R_4R_5 - C_3R_2R_3R_4R_5 - C_3R_2R_3R_4R_5$

Wz: $\frac{1}{\sqrt{C_3}\sqrt{C_5}\sqrt{R_3}\sqrt{R_5}}$

11 X-PolynomialError